Table 1. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
New England

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption													
Residential													
Distillate Fuel	0.275	0.295	0.282	0.304	0.305	0.307	0.310	0.311	0.311	0.310	0.310	0.309	0.309
Kerosene	0.013	0.014	0.011	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013
Liquefied Petroleum Gas	0.028	0.026	0.027	0.025	0.025	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024
Petroleum Subtotal	0.316	0.335	0.320	0.342	0.342	0.344	0.347	0.347	0.348	0.347	0.346	0.346	0.346
Natural Gas	0.181	0.173	0.172	0.183	0.185	0.186	0.187	0.187	0.188	0.187	0.187	0.188	0.188
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
Renewable Energy 1/	0.033	0.031	0.031	0.033	0.033	0.033	0.033	0.034	0.034	0.034	0.034	0.034	0.035
Electricity	0.140	0.141	0.144	0.149	0.151	0.153	0.155	0.157	0.158	0.159	0.160	0.160	0.160
Delivered Energy	0.670	0.680	0.667	0.706	0.712	0.715	0.722	0.725	0.728	0.728	0.728	0.728	0.730
Electricity Related Losses	0.306	0.314	0.339	0.358	0.353	0.348	0.328	0.336	0.348	0.339	0.345	0.340	0.344
Total	0.976	0.994	1.006	1.064	1.065	1.064	1.050	1.061	1.076	1.066	1.073	1.068	1.074
Commercial													
Distillate Fuel	0.136	0.128	0.123	0.122	0.123	0.124	0.125	0.125	0.125	0.125	0.124	0.124	0.124
Residual Fuel	0.020	0.018	0.007	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.010
Kerosene	0.003	0.003	0.002	0.002	0.003	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003
Liquefied Petroleum Gas	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Motor Gasoline 2/	0.007	0.006	0.007	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Petroleum Subtotal	0.171	0.161	0.145	0.142	0.144	0.145	0.146	0.147	0.146	0.146	0.146	0.146	0.145
Natural Gas	0.117	0.118	0.116	0.123	0.127	0.129	0.131	0.133	0.134	0.136	0.137	0.138	0.140
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
Renewable Energy 3/	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	0.159	0.169	0.173	0.172	0.177	0.181	0.185	0.189	0.192	0.196	0.199	0.202	0.205
Delivered Energy	0.458	0.458	0.445	0.448	0.458	0.465	0.473	0.479	0.484	0.489	0.493	0.497	0.501
Electricity Related Losses	0.347	0.376	0.408	0.414	0.414	0.413	0.392	0.405	0.422	0.417	0.430	0.430	0.441
Total	0.806	0.834	0.853	0.862	0.872	0.878	0.866	0.884	0.906	0.905	0.922	0.927	0.942
Industrial 4/													
Distillate Fuel	0.024	0.025	0.023	0.023	0.024	0.024	0.024	0.024	0.025	0.025	0.026	0.026	0.026
Liquefied Petroleum Gas	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
Petrochemical Feedstocks	0.052	0.045	0.048	0.049	0.050	0.049	0.050	0.051	0.052	0.054	0.056	0.057	0.059
Residual Fuel	0.050	0.045	0.036	0.039	0.040	0.040	0.041	0.041	0.043	0.043	0.043	0.043	0.043
Motor Gasoline 2/	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005
Other Petroleum 5/	0.041	0.043	0.046	0.043	0.042	0.041	0.040	0.040	0.039	0.040	0.040	0.041	0.041
Petroleum Subtotal	0.175	0.165	0.161	0.162	0.164	0.163	0.163	0.166	0.168	0.170	0.173	0.176	0.179
Natural Gas	0.248	0.223	0.237	0.243	0.248	0.251	0.255	0.261	0.265	0.270	0.277	0.283	0.289
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
Natural Gas Subtotal	0.248	0.223	0.237	0.243	0.248	0.251	0.255	0.261	0.265	0.270	0.277	0.283	0.289
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
Steam Coal	0.006	0.006	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
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
Coal Subtotal	0.006	0.006	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Renewable Energy 7/	0.112	0.109	0.107	0.111	0.114	0.116	0.118	0.121	0.124	0.127	0.131	0.135	0.139
Electricity	0.088	0.081	0.075	0.079	0.081	0.082	0.084	0.086	0.088	0.090	0.092	0.095	0.096
Delivered Energy	0.630	0.584	0.586	0.600	0.613	0.618	0.626	0.639	0.650	0.663	0.680	0.695	0.708
Electricity Related Losses	0.193	0.181	0.177	0.190	0.190	0.187	0.177	0.184	0.193	0.191	0.199	0.201	0.207
Total	0.822	0.765	0.763	0.790	0.803	0.806	0.804	0.822	0.843	0.855	0.879	0.896	0.915

Table 1. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
New England

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Transportation													
Distillate Fuel 8/	0.155	0.158	0.157	0.163	0.168	0.172	0.177	0.182	0.188	0.194	0.200	0.205	0.210
Jet Fuel 9/	0.079	0.075	0.074	0.074	0.073	0.074	0.076	0.077	0.079	0.081	0.082	0.084	0.086
Motor Gasoline 2/	0.776	0.786	0.805	0.821	0.835	0.853	0.872	0.892	0.913	0.933	0.953	0.972	0.989
Residual Fuel	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Liquefied Petroleum Gas	0.000	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003
Other Petroleum 10/	0.008	0.008	0.009	0.009	0.009	0.008	0.008	0.008	0.008	0.008	0.008	0.009	0.009
Petroleum Subtotal	1.020	1.030	1.047	1.069	1.088	1.111	1.137	1.164	1.192	1.219	1.248	1.274	1.298
Pipeline Fuel Natural Gas	0.007	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007
Compressed Natural Gas	0.000	0.001	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.004	0.004	0.005	0.005
Renewable Energy (E85) 11/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005
Delivered Energy	1.030	1.041	1.057	1.080	1.099	1.122	1.149	1.177	1.205	1.234	1.263	1.290	1.315
Electricity Related Losses	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.010	0.010	0.010
Total	1.038	1.049	1.066	1.089	1.108	1.131	1.157	1.186	1.215	1.243	1.273	1.300	1.325
Delivered Energy Consumption, All Sectors													
Distillate Fuel	0.590	0.605	0.585	0.612	0.619	0.626	0.636	0.643	0.649	0.654	0.660	0.665	0.669
Kerosene	0.019	0.020	0.015	0.017	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.018
Jet Fuel 9/	0.079	0.075	0.074	0.074	0.073	0.074	0.076	0.077	0.079	0.081	0.082	0.084	0.086
Liquefied Petroleum Gas	0.038	0.035	0.037	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.036	0.036
Motor Gasoline 2/	0.787	0.797	0.816	0.830	0.844	0.862	0.881	0.901	0.922	0.942	0.963	0.981	0.999
Petrochemical Feedstocks	0.052	0.045	0.048	0.049	0.050	0.049	0.050	0.051	0.052	0.054	0.056	0.057	0.059
Residual Fuel	0.072	0.065	0.045	0.048	0.050	0.051	0.052	0.052	0.053	0.054	0.054	0.054	0.055
Other Petroleum 12/	0.046	0.049	0.053	0.049	0.049	0.047	0.046	0.046	0.045	0.046	0.046	0.047	0.048
Petroleum Subtotal	1.682	1.691	1.673	1.714	1.737	1.762	1.793	1.823	1.854	1.883	1.914	1.942	1.968
Natural Gas	0.547	0.515	0.526	0.550	0.562	0.568	0.575	0.583	0.590	0.597	0.605	0.614	0.622
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
Pipeline Natural Gas	0.007	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007
Natural Gas Subtotal	0.553	0.521	0.532	0.555	0.568	0.574	0.581	0.589	0.596	0.603	0.612	0.621	0.629
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
Steam Coal	0.007	0.007	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007
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
Coal Subtotal	0.007	0.007	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007
Renewable Energy 13/	0.154	0.150	0.148	0.154	0.157	0.159	0.161	0.164	0.167	0.171	0.176	0.180	0.183
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity	0.391	0.395	0.396	0.404	0.413	0.420	0.428	0.436	0.443	0.450	0.456	0.462	0.467
Delivered Energy	2.788	2.763	2.755	2.834	2.881	2.921	2.970	3.019	3.067	3.113	3.164	3.210	3.254
Electricity Related Losses	0.854	0.879	0.932	0.971	0.966	0.957	0.907	0.933	0.973	0.956	0.983	0.981	1.002
Total	3.642	3.642	3.688	3.805	3.847	3.878	3.877	3.953	4.040	4.069	4.147	4.191	4.256
Electric Generators 14/													
Distillate Fuel	0.002	0.003	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.006	0.006	0.005	0.006
Residual Fuel	0.187	0.165	0.065	0.047	0.081	0.079	0.083	0.090	0.111	0.082	0.089	0.082	0.094
Petroleum Subtotal	0.189	0.168	0.071	0.053	0.087	0.084	0.089	0.096	0.118	0.087	0.095	0.088	0.100
Natural Gas	0.206	0.286	0.389	0.398	0.381	0.366	0.367	0.371	0.380	0.407	0.407	0.416	0.421
Steam Coal	0.197	0.191	0.192	0.193	0.198	0.205	0.212	0.219	0.216	0.216	0.216	0.216	0.216
Nuclear Power	0.354	0.361	0.363	0.364	0.364	0.365	0.366	0.369	0.370	0.370	0.371	0.372	0.372
Renewable Energy/Other 15/	0.148	0.138	0.146	0.155	0.156	0.156	0.158	0.160	0.162	0.168	0.171	0.176	0.180
Electricity Imports	0.152	0.129	0.167	0.213	0.193	0.201	0.142	0.155	0.170	0.157	0.179	0.175	0.180
Total	1.245	1.273	1.329	1.375	1.379	1.377	1.335	1.369	1.416	1.406	1.439	1.443	1.469
Total Energy Consumption													
Distillate Fuel	0.592	0.608	0.591	0.618	0.625	0.632	0.642	0.649	0.656	0.659	0.665	0.670	0.675

Table 1. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
New England

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Kerosene	0.019	0.020	0.015	0.017	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.018
Jet Fuel 9/	0.079	0.075	0.074	0.074	0.073	0.074	0.076	0.077	0.079	0.081	0.082	0.084	0.086
Liquefied Petroleum Gas	0.038	0.035	0.037	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.036	0.036
Motor Gasoline 2/	0.787	0.797	0.816	0.830	0.844	0.862	0.881	0.901	0.922	0.942	0.963	0.981	0.999
Petrochemical Feedstocks	0.052	0.045	0.048	0.049	0.050	0.049	0.050	0.051	0.052	0.054	0.056	0.057	0.059
Residual Fuel	0.259	0.230	0.111	0.096	0.131	0.130	0.135	0.142	0.165	0.135	0.143	0.137	0.149
Other Petroleum 12/	0.046	0.049	0.053	0.049	0.049	0.047	0.046	0.046	0.045	0.046	0.046	0.047	0.048
Petroleum Subtotal	1.871	1.860	1.744	1.768	1.824	1.846	1.882	1.919	1.971	1.970	2.009	2.030	2.068
Natural Gas	0.752	0.801	0.916	0.947	0.943	0.933	0.942	0.954	0.971	1.004	1.012	1.030	1.043
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
Pipeline Natural Gas	0.007	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007
Natural Gas Subtotal	0.759	0.807	0.921	0.953	0.948	0.939	0.948	0.960	0.977	1.010	1.019	1.036	1.050
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
Steam Coal	0.204	0.198	0.198	0.199	0.205	0.211	0.219	0.225	0.223	0.223	0.223	0.223	0.223
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
Coal Subtotal	0.204	0.198	0.198	0.199	0.205	0.211	0.219	0.225	0.223	0.223	0.223	0.223	0.223
Nuclear Power	0.354	0.361	0.363	0.364	0.364	0.365	0.366	0.369	0.370	0.370	0.371	0.372	0.372
Renewable Energy 16/	0.302	0.287	0.294	0.309	0.313	0.316	0.320	0.325	0.329	0.339	0.347	0.355	0.363
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity Imports	0.152	0.129	0.167	0.213	0.193	0.201	0.142	0.155	0.170	0.157	0.179	0.175	0.180
Total	3.642	3.642	3.688	3.805	3.847	3.878	3.877	3.953	4.040	4.069	4.147	4.191	4.256
Energy Use & Related Statistics													
Delivered Energy Use	2.788	2.763	2.755	2.834	2.881	2.921	2.970	3.019	3.067	3.113	3.164	3.210	3.254
Total Energy Use	3.642	3.642	3.688	3.805	3.847	3.878	3.877	3.953	4.040	4.069	4.147	4.191	4.256
Population (millions)	13.590	13.670	13.755	13.837	13.906	13.968	14.029	14.089	14.147	14.205	14.262	14.319	14.376
US GDP (billion 1996 dollars)	9191	9215	9440	9743	10074	10361	10667	11017	11408	11810	12258	12671	13082
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1578.2	1558.6	1536.2	1567.9	1597.2	1623.7	1662.3	1699.7	1734.5	1765.8	1800.5	1832.6	1862.1

Table 1. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
New England

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption														
Residential														
Distillate Fuel	0.308	0.307	0.306	0.306	0.306	0.306	0.305	0.305	0.304	0.305	0.306	0.307	0.308	0.2%
Kerosene	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.014	0.014	-0.2%
Liquefied Petroleum Gas	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	-0.4%
Petroleum Subtotal	0.344	0.343	0.343	0.343	0.343	0.342	0.342	0.342	0.341	0.342	0.343	0.345	0.345	0.1%
Natural Gas	0.188	0.189	0.190	0.191	0.191	0.192	0.194	0.195	0.196	0.198	0.199	0.201	0.201	0.6%
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/	0.035	0.035	0.035	0.035	0.035	0.036	0.036	0.036	0.036	0.036	0.036	0.037	0.037	0.8%
Electricity	0.160	0.160	0.161	0.162	0.162	0.163	0.163	0.165	0.166	0.167	0.169	0.171	0.172	0.8%
Delivered Energy	0.728	0.728	0.729	0.732	0.732	0.733	0.735	0.739	0.739	0.743	0.747	0.753	0.755	0.4%
Electricity Related Losses	0.339	0.337	0.339	0.337	0.333	0.324	0.318	0.318	0.312	0.310	0.302	0.303	0.301	-0.2%
Total	1.067	1.065	1.068	1.069	1.064	1.058	1.052	1.056	1.051	1.053	1.049	1.056	1.056	0.3%
Commercial														
Distillate Fuel	0.123	0.123	0.122	0.122	0.122	0.122	0.121	0.121	0.120	0.119	0.119	0.119	0.119	-0.3%
Residual Fuel	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.011	-2.3%
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	-0.6%
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	0.1%
Motor Gasoline 2/	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	-1.2%
Petroleum Subtotal	0.145	0.145	0.144	0.144	0.144	0.144	0.144	0.143	0.143	0.142	0.142	0.142	0.142	-0.5%
Natural Gas	0.141	0.143	0.144	0.146	0.148	0.151	0.153	0.156	0.160	0.164	0.167	0.169	0.171	1.6%
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	0.5%
Renewable Energy 3/	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	0.208	0.211	0.214	0.216	0.219	0.222	0.225	0.227	0.230	0.233	0.237	0.240	0.244	1.5%
Delivered Energy	0.505	0.509	0.513	0.517	0.523	0.528	0.532	0.538	0.543	0.550	0.556	0.562	0.568	0.9%
Electricity Related Losses	0.441	0.444	0.451	0.451	0.449	0.442	0.436	0.438	0.433	0.432	0.424	0.426	0.428	0.5%
Total	0.947	0.953	0.964	0.968	0.972	0.970	0.969	0.976	0.977	0.982	0.980	0.988	0.996	0.7%
Industrial 4/														
Distillate Fuel	0.027	0.027	0.027	0.027	0.027	0.027	0.028	0.028	0.028	0.028	0.029	0.029	0.029	0.7%
Liquefied Petroleum Gas	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	1.5%
Petrochemical Feedstocks	0.059	0.060	0.061	0.061	0.062	0.063	0.064	0.065	0.066	0.066	0.067	0.068	0.069	1.8%
Residual Fuel	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	0.043	-0.2%
Motor Gasoline 2/	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	0.6%
Other Petroleum 5/	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.043	0.043	0.043	0.043	0.043	0.0%
Petroleum Subtotal	0.180	0.181	0.182	0.183	0.184	0.185	0.186	0.188	0.189	0.190	0.191	0.193	0.194	0.7%
Natural Gas	0.294	0.299	0.303	0.307	0.312	0.318	0.324	0.330	0.336	0.344	0.351	0.359	0.366	2.1%
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
Natural Gas Subtotal	0.294	0.299	0.303	0.307	0.312	0.318	0.324	0.330	0.336	0.344	0.351	0.359	0.366	2.1%
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
Steam Coal	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	0.1%
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	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.1%
Renewable Energy 7/	0.142	0.145	0.147	0.149	0.152	0.155	0.158	0.160	0.162	0.164	0.166	0.168	0.170	1.9%
Electricity	0.098	0.099	0.100	0.101	0.102	0.103	0.104	0.105	0.106	0.107	0.108	0.109	0.110	1.3%
Delivered Energy	0.719	0.730	0.739	0.746	0.755	0.766	0.778	0.788	0.798	0.811	0.822	0.835	0.846	1.6%
Electricity Related Losses	0.208	0.209	0.212	0.210	0.209	0.205	0.202	0.202	0.199	0.198	0.193	0.194	0.193	0.3%
Total	0.927	0.939	0.950	0.957	0.965	0.971	0.980	0.990	0.997	1.008	1.015	1.028	1.039	1.3%

Table 1. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
New England

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Transportation														
Distillate Fuel 8/	0.214	0.218	0.221	0.223	0.227	0.230	0.233	0.236	0.240	0.243	0.247	0.251	0.255	2.0%
Jet Fuel 9/	0.088	0.090	0.092	0.093	0.095	0.097	0.099	0.101	0.103	0.104	0.106	0.108	0.110	1.6%
Motor Gasoline 2/	1.006	1.021	1.034	1.047	1.058	1.071	1.084	1.095	1.105	1.116	1.129	1.144	1.157	1.6%
Residual Fuel	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.3%
Liquefied Petroleum Gas	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	7.4%
Other Petroleum 10/	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.010	0.010	0.5%
Petroleum Subtotal	1.321	1.341	1.360	1.377	1.394	1.412	1.431	1.447	1.462	1.479	1.497	1.518	1.537	1.7%
Pipeline Fuel Natural Gas	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.009	1.2%
Compressed Natural Gas	0.005	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.008	0.008	11.4%
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	8.6%
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	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	2.4%
Delivered Energy	1.338	1.359	1.378	1.396	1.414	1.432	1.452	1.467	1.483	1.500	1.520	1.541	1.560	1.7%
Electricity Related Losses	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	1.4%
Total	1.348	1.370	1.389	1.407	1.424	1.443	1.462	1.478	1.494	1.511	1.530	1.552	1.571	1.7%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	0.671	0.674	0.676	0.679	0.682	0.685	0.687	0.690	0.692	0.696	0.700	0.707	0.711	0.7%
Kerosene	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.019	0.019	0.019	-0.3%
Jet Fuel 9/	0.088	0.090	0.092	0.093	0.095	0.097	0.099	0.101	0.103	0.104	0.106	0.108	0.110	1.6%
Liquefied Petroleum Gas	0.036	0.036	0.036	0.036	0.036	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.038	0.3%
Motor Gasoline 2/	1.016	1.030	1.044	1.056	1.068	1.080	1.094	1.105	1.115	1.126	1.139	1.154	1.167	1.6%
Petrochemical Feedstocks	0.059	0.060	0.061	0.061	0.062	0.063	0.064	0.065	0.066	0.066	0.067	0.068	0.069	1.8%
Residual Fuel	0.055	0.055	0.055	0.054	0.054	0.054	0.055	0.055	0.055	0.055	0.055	0.055	0.056	-0.6%
Other Petroleum 12/	0.048	0.048	0.048	0.049	0.049	0.049	0.049	0.049	0.049	0.050	0.050	0.050	0.050	0.1%
Petroleum Subtotal	1.990	2.011	2.029	2.048	2.065	2.084	2.103	2.120	2.135	2.153	2.173	2.198	2.217	1.1%
Natural Gas	0.628	0.636	0.643	0.651	0.658	0.668	0.678	0.689	0.700	0.713	0.724	0.737	0.747	1.6%
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	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.009	1.2%
Natural Gas Subtotal	0.635	0.644	0.651	0.658	0.666	0.675	0.686	0.697	0.708	0.721	0.733	0.745	0.755	1.6%
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
Steam Coal	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%
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	0.007	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%
Renewable Energy 13/	0.186	0.190	0.192	0.195	0.198	0.200	0.203	0.206	0.208	0.210	0.213	0.215	0.217	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	0.471	0.476	0.480	0.484	0.488	0.493	0.498	0.503	0.507	0.513	0.519	0.526	0.532	1.3%
Delivered Energy	3.290	3.326	3.359	3.391	3.423	3.459	3.497	3.532	3.564	3.604	3.645	3.690	3.728	1.3%
Electricity Related Losses	0.998	1.000	1.013	1.009	1.002	0.982	0.967	0.968	0.955	0.950	0.930	0.935	0.933	0.3%
Total	4.288	4.327	4.372	4.400	4.425	4.440	4.463	4.500	4.519	4.554	4.575	4.625	4.662	1.0%
Electric Generators 14/														
Distillate Fuel	0.006	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.005	0.006	2.5%
Residual Fuel	0.100	0.107	0.110	0.117	0.116	0.116	0.118	0.113	0.111	0.108	0.101	0.109	0.106	-1.8%
Petroleum Subtotal	0.106	0.113	0.115	0.123	0.122	0.122	0.124	0.119	0.117	0.114	0.106	0.114	0.112	-1.7%
Natural Gas	0.422	0.431	0.431	0.431	0.441	0.444	0.450	0.439	0.453	0.474	0.480	0.487	0.502	2.4%
Steam Coal	0.216	0.216	0.216	0.217	0.216	0.216	0.217	0.217	0.217	0.217	0.217	0.217	0.217	0.5%
Nuclear Power	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.1%
Renewable Energy/Other 15/	0.184	0.189	0.194	0.198	0.205	0.209	0.213	0.218	0.219	0.220	0.220	0.220	0.220	2.0%
Electricity Imports	0.168	0.155	0.165	0.152	0.134	0.112	0.088	0.106	0.084	0.066	0.054	0.050	0.043	-4.5%
Total	1.469	1.476	1.493	1.493	1.490	1.475	1.464	1.471	1.462	1.463	1.449	1.461	1.465	0.6%
Total Energy Consumption														
Distillate Fuel	0.677	0.679	0.681	0.685	0.688	0.691	0.693	0.696	0.698	0.702	0.706	0.712	0.716	0.7%

Table 1. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
New England

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Kerosene	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.019	0.019	0.019	-0.3%
Jet Fuel 9/	0.088	0.090	0.092	0.093	0.095	0.097	0.099	0.101	0.103	0.104	0.106	0.108	0.110	1.6%
Liquefied Petroleum Gas	0.036	0.036	0.036	0.036	0.036	0.037	0.037	0.037	0.037	0.037	0.037	0.037	0.038	0.3%
Motor Gasoline 2/	1.016	1.030	1.044	1.056	1.068	1.080	1.094	1.105	1.115	1.126	1.139	1.154	1.167	1.6%
Petrochemical Feedstocks	0.059	0.060	0.061	0.061	0.062	0.063	0.064	0.065	0.066	0.066	0.067	0.068	0.069	1.8%
Residual Fuel	0.155	0.162	0.164	0.172	0.170	0.170	0.173	0.168	0.165	0.163	0.156	0.164	0.162	-1.5%
Other Petroleum 12/	0.048	0.048	0.048	0.049	0.049	0.049	0.049	0.049	0.049	0.050	0.050	0.050	0.050	0.1%
Petroleum Subtotal	2.096	2.123	2.144	2.171	2.187	2.205	2.227	2.239	2.252	2.267	2.280	2.312	2.329	0.9%
Natural Gas	1.051	1.067	1.074	1.082	1.099	1.112	1.128	1.128	1.152	1.187	1.204	1.224	1.248	1.9%
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	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.009	1.2%
Natural Gas Subtotal	1.058	1.075	1.081	1.089	1.106	1.120	1.136	1.135	1.160	1.195	1.213	1.232	1.257	1.9%
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
Steam Coal	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.5%
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	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.223	0.5%
Nuclear Power	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.372	0.1%
Renewable Energy 16/	0.371	0.379	0.386	0.393	0.402	0.409	0.416	0.424	0.427	0.431	0.433	0.435	0.437	1.8%
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 Imports	0.168	0.155	0.165	0.152	0.134	0.112	0.088	0.106	0.084	0.066	0.054	0.050	0.043	-4.5%
Total	4.288	4.327	4.372	4.400	4.425	4.440	4.463	4.500	4.519	4.554	4.575	4.625	4.662	1.0%
Energy Use & Related Statistics														
Delivered Energy Use	3.290	3.326	3.359	3.391	3.423	3.459	3.497	3.532	3.564	3.604	3.645	3.690	3.728	1.3%
Total Energy Use	4.288	4.327	4.372	4.400	4.425	4.440	4.463	4.500	4.519	4.554	4.575	4.625	4.662	1.0%
Population (millions)	14.434	14.491	14.549	14.606	14.664	14.721	14.778	14.835	14.892	14.950	15.009	15.068	15.128	0.4%
US GDP (billion 1996 dollars)	13480	13893	14288	14681	15101	15540	16013	16450	16888	17363	17858	18389	18917	3.0%
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1889.2	1915.7	1944.2	1970.2	1996.8	2024.6	2055.5	2082.5	2108.3	2139.7	2170.8	2204.3	2236.9	1.5%

Table 1. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
New England

1/ Includes wood used for residential heating. See Table A18 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 electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.
4/ Fuel consumption includes consumption for combined heat and power, which produces electricity, both for sale to the grid and for own use, and other useful thermal energy.
5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.
6/ Represents natural gas used in the field gathering and processing plant machinery.
7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.
8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.
9/ Includes only kerosene type.
10/ Includes aviation gasoline and lubricants.
11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
12/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.
13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
14/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2000 and 2001 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: 2000 and 2001 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). 2000 and 2001 population and gross domestic product: Global Insight macroeconomic model CTL0802. 2000 and 2001 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2001, DOE/EIA-0573(2001) (Washington, DC, December 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 2. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Middle Atlantic

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption													
Residential													
Distillate Fuel	0.387	0.403	0.386	0.421	0.417	0.415	0.415	0.411	0.407	0.401	0.396	0.390	0.386
Kerosene	0.023	0.025	0.019	0.021	0.020	0.020	0.020	0.019	0.019	0.018	0.018	0.017	0.017
Liquefied Petroleum Gas	0.042	0.040	0.042	0.040	0.040	0.040	0.040	0.040	0.041	0.041	0.041	0.042	0.042
Petroleum Subtotal	0.452	0.468	0.447	0.481	0.477	0.475	0.474	0.471	0.467	0.460	0.455	0.449	0.445
Natural Gas	0.872	0.829	0.828	0.881	0.890	0.890	0.894	0.894	0.896	0.893	0.892	0.892	0.894
Coal	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Renewable Energy 1/	0.092	0.083	0.083	0.089	0.089	0.088	0.087	0.086	0.085	0.084	0.083	0.083	0.082
Electricity	0.380	0.384	0.393	0.406	0.413	0.418	0.424	0.431	0.437	0.439	0.440	0.440	0.440
Delivered Energy	1.801	1.767	1.754	1.863	1.874	1.875	1.884	1.887	1.891	1.882	1.875	1.868	1.867
Electricity Related Losses	0.946	0.935	0.877	0.919	0.921	0.930	0.940	0.960	0.980	0.979	0.980	0.973	0.977
Total	2.747	2.702	2.631	2.782	2.795	2.805	2.824	2.847	2.871	2.861	2.855	2.841	2.844
Commercial													
Distillate Fuel	0.147	0.137	0.133	0.132	0.134	0.135	0.136	0.136	0.136	0.136	0.135	0.135	0.134
Residual Fuel	0.063	0.059	0.025	0.023	0.026	0.028	0.029	0.028	0.027	0.028	0.029	0.029	0.030
Kerosene	0.013	0.013	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Liquefied Petroleum Gas	0.008	0.007	0.007	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
Motor Gasoline 2/	0.004	0.005	0.005	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Petroleum Subtotal	0.234	0.220	0.179	0.176	0.180	0.183	0.184	0.184	0.183	0.184	0.184	0.184	0.184
Natural Gas	0.448	0.437	0.427	0.449	0.460	0.466	0.473	0.477	0.480	0.482	0.485	0.487	0.490
Coal	0.017	0.016	0.016	0.016	0.015	0.015	0.016	0.016	0.016	0.016	0.016	0.016	0.017
Renewable Energy 3/	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
Electricity	0.510	0.533	0.549	0.547	0.560	0.573	0.585	0.598	0.609	0.619	0.627	0.636	0.643
Delivered Energy	1.234	1.232	1.196	1.212	1.241	1.262	1.283	1.301	1.314	1.327	1.338	1.349	1.359
Electricity Related Losses	1.268	1.300	1.226	1.238	1.249	1.273	1.296	1.331	1.365	1.380	1.396	1.407	1.427
Total	2.502	2.532	2.423	2.451	2.490	2.535	2.579	2.632	2.679	2.707	2.734	2.757	2.786
Industrial 4/													
Distillate Fuel	0.063	0.065	0.061	0.061	0.059	0.060	0.060	0.062	0.063	0.064	0.065	0.066	0.066
Liquefied Petroleum Gas	0.032	0.029	0.031	0.031	0.030	0.030	0.030	0.031	0.031	0.032	0.033	0.036	0.048
Petrochemical Feedstocks	0.149	0.129	0.137	0.142	0.143	0.142	0.144	0.147	0.151	0.155	0.160	0.164	0.168
Residual Fuel	0.030	0.030	0.027	0.028	0.013	0.013	0.014	0.014	0.014	0.014	0.015	0.015	0.015
Motor Gasoline 2/	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.011
Other Petroleum 5/	0.393	0.403	0.421	0.408	0.414	0.409	0.403	0.408	0.406	0.409	0.413	0.418	0.422
Petroleum Subtotal	0.676	0.667	0.687	0.680	0.670	0.664	0.660	0.671	0.676	0.685	0.696	0.709	0.731
Natural Gas	0.719	0.641	0.680	0.695	0.749	0.754	0.767	0.790	0.805	0.826	0.847	0.858	0.852
Lease and Plant Fuel 6/	0.006	0.006	0.005	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005
Natural Gas Subtotal	0.725	0.647	0.685	0.700	0.753	0.758	0.772	0.794	0.810	0.831	0.852	0.863	0.857
Metallurgical Coal	0.220	0.199	0.179	0.189	0.188	0.188	0.188	0.187	0.190	0.186	0.183	0.180	0.176
Steam Coal	0.126	0.122	0.118	0.119	0.120	0.120	0.120	0.121	0.122	0.122	0.123	0.123	0.124
Net Coal Coke Imports	0.004	0.001	0.001	0.002	0.003	0.003	0.004	0.005	0.006	0.007	0.008	0.009	0.009
Coal Subtotal	0.350	0.322	0.297	0.310	0.311	0.312	0.312	0.313	0.318	0.315	0.314	0.312	0.310
Renewable Energy 7/	0.176	0.170	0.168	0.174	0.178	0.181	0.184	0.188	0.191	0.196	0.203	0.208	0.213
Electricity	0.291	0.270	0.250	0.263	0.266	0.269	0.273	0.282	0.289	0.296	0.304	0.311	0.318
Delivered Energy	2.217	2.076	2.087	2.126	2.178	2.184	2.201	2.249	2.284	2.324	2.367	2.403	2.428
Electricity Related Losses	0.723	0.657	0.559	0.595	0.592	0.599	0.604	0.628	0.648	0.660	0.676	0.689	0.705

Table 2. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Middle Atlantic

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total	2.941	2.733	2.647	2.721	2.770	2.783	2.805	2.877	2.932	2.984	3.043	3.092	3.133
Transportation													
Distillate Fuel 8/	0.482	0.491	0.489	0.506	0.522	0.535	0.551	0.568	0.584	0.601	0.619	0.635	0.649
Jet Fuel 9/	0.360	0.345	0.338	0.332	0.329	0.335	0.344	0.352	0.362	0.371	0.379	0.388	0.397
Motor Gasoline 2/	1.796	1.820	1.864	1.886	1.908	1.940	1.976	2.015	2.056	2.095	2.135	2.171	2.204
Residual Fuel	0.149	0.140	0.132	0.136	0.135	0.134	0.134	0.134	0.133	0.132	0.132	0.131	0.131
Liquefied Petroleum Gas	0.001	0.002	0.003	0.003	0.004	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.007
Other Petroleum 10/	0.023	0.025	0.025	0.026	0.026	0.025	0.025	0.025	0.025	0.025	0.025	0.026	0.026
Petroleum Subtotal	2.812	2.822	2.851	2.890	2.925	2.974	3.035	3.099	3.165	3.231	3.297	3.358	3.414
Pipeline Fuel Natural Gas	0.050	0.047	0.037	0.040	0.041	0.042	0.042	0.043	0.045	0.047	0.048	0.049	0.050
Compressed Natural Gas	0.001	0.001	0.002	0.003	0.004	0.004	0.005	0.005	0.006	0.007	0.007	0.008	0.009
Renewable Energy (E85) 11/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.011	0.012	0.012	0.012	0.012	0.013
Delivered Energy	2.872	2.882	2.900	2.944	2.980	3.031	3.094	3.160	3.228	3.296	3.365	3.427	3.485
Electricity Related Losses	0.025	0.025	0.023	0.024	0.024	0.025	0.025	0.026	0.026	0.027	0.027	0.028	0.028
Total	2.897	2.907	2.923	2.968	3.005	3.056	3.119	3.185	3.254	3.323	3.392	3.455	3.513
Delivered Energy Consumption, All Sectors													
Distillate Fuel	1.079	1.097	1.069	1.121	1.133	1.145	1.162	1.176	1.190	1.201	1.214	1.226	1.236
Kerosene	0.041	0.043	0.032	0.035	0.035	0.035	0.034	0.034	0.034	0.034	0.033	0.033	0.032
Jet Fuel 9/	0.360	0.345	0.338	0.332	0.329	0.335	0.344	0.352	0.362	0.371	0.379	0.388	0.397
Liquefied Petroleum Gas	0.083	0.078	0.082	0.081	0.081	0.081	0.082	0.083	0.084	0.086	0.087	0.091	0.104
Motor Gasoline 2/	1.810	1.834	1.879	1.900	1.922	1.953	1.989	2.028	2.069	2.108	2.149	2.185	2.218
Petrochemical Feedstocks	0.149	0.129	0.137	0.142	0.143	0.142	0.144	0.147	0.151	0.155	0.160	0.164	0.168
Residual Fuel	0.241	0.228	0.183	0.187	0.175	0.176	0.176	0.176	0.175	0.175	0.175	0.175	0.175
Other Petroleum 12/	0.411	0.423	0.443	0.429	0.435	0.430	0.423	0.428	0.426	0.430	0.434	0.438	0.443
Petroleum Subtotal	4.173	4.177	4.164	4.226	4.252	4.297	4.354	4.425	4.490	4.559	4.632	4.701	4.774
Natural Gas	2.040	1.908	1.937	2.028	2.102	2.114	2.139	2.166	2.188	2.208	2.231	2.245	2.245
Lease and Plant Fuel 6/	0.006	0.006	0.005	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005
Pipeline Natural Gas	0.050	0.047	0.037	0.040	0.041	0.042	0.042	0.043	0.045	0.047	0.048	0.049	0.050
Natural Gas Subtotal	2.096	1.961	1.978	2.072	2.147	2.160	2.185	2.214	2.238	2.260	2.284	2.299	2.300
Metallurgical Coal	0.220	0.199	0.179	0.189	0.188	0.188	0.188	0.187	0.190	0.186	0.183	0.180	0.176
Steam Coal	0.147	0.143	0.138	0.140	0.140	0.141	0.141	0.142	0.143	0.143	0.144	0.145	0.145
Net Coal Coke Imports	0.004	0.001	0.001	0.002	0.003	0.003	0.004	0.005	0.006	0.007	0.008	0.009	0.009
Coal Subtotal	0.371	0.342	0.317	0.331	0.331	0.332	0.333	0.334	0.339	0.337	0.335	0.333	0.331
Renewable Energy 13/	0.293	0.279	0.276	0.288	0.292	0.294	0.296	0.299	0.302	0.306	0.311	0.316	0.320
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity	1.191	1.197	1.203	1.226	1.250	1.271	1.294	1.323	1.347	1.367	1.383	1.400	1.414
Delivered Energy	8.124	7.956	7.938	8.144	8.272	8.353	8.462	8.596	8.716	8.828	8.945	9.049	9.139
Electricity Related Losses	2.962	2.917	2.686	2.777	2.787	2.826	2.865	2.944	3.020	3.046	3.079	3.096	3.138
Total	11.086	10.873	10.624	10.921	11.059	11.179	11.327	11.540	11.736	11.874	12.024	12.145	12.277
Electric Generators 14/													
Distillate Fuel	0.010	0.017	0.007	0.007	0.006	0.006	0.006	0.007	0.007	0.007	0.009	0.009	0.010
Residual Fuel	0.208	0.214	0.129	0.090	0.088	0.086	0.088	0.087	0.088	0.092	0.100	0.105	0.110
Petroleum Subtotal	0.218	0.231	0.136	0.097	0.093	0.092	0.094	0.093	0.095	0.100	0.109	0.114	0.120
Natural Gas	0.541	0.539	0.472	0.514	0.543	0.565	0.562	0.589	0.644	0.677	0.694	0.731	0.762
Steam Coal	1.583	1.550	1.418	1.454	1.441	1.442	1.523	1.571	1.594	1.609	1.612	1.600	1.613
Nuclear Power	1.458	1.485	1.496	1.501	1.520	1.522	1.528	1.550	1.557	1.558	1.559	1.560	1.560
Renewable Energy/Other 15/	0.263	0.226	0.262	0.303	0.318	0.349	0.361	0.366	0.369	0.371	0.375	0.381	0.383
Electricity Imports	0.091	0.082	0.106	0.135	0.122	0.127	0.090	0.098	0.108	0.099	0.113	0.111	0.114
Total	4.153	4.114	3.889	4.003	4.037	4.097	4.159	4.267	4.367	4.413	4.462	4.497	4.552

Table 2. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Middle Atlantic

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total Energy Consumption													
Distillate Fuel	1.089	1.114	1.075	1.127	1.138	1.151	1.168	1.183	1.197	1.208	1.223	1.235	1.246
Kerosene	0.041	0.043	0.032	0.035	0.035	0.035	0.034	0.034	0.034	0.034	0.033	0.033	0.032
Jet Fuel 9/	0.360	0.345	0.338	0.332	0.329	0.335	0.344	0.352	0.362	0.371	0.379	0.388	0.397
Liquefied Petroleum Gas	0.083	0.078	0.082	0.081	0.081	0.081	0.082	0.083	0.084	0.086	0.087	0.091	0.104
Motor Gasoline 2/	1.810	1.834	1.879	1.900	1.922	1.953	1.989	2.028	2.069	2.108	2.149	2.185	2.218
Petrochemical Feedstocks	0.149	0.129	0.137	0.142	0.143	0.142	0.144	0.147	0.151	0.155	0.160	0.164	0.168
Residual Fuel	0.448	0.443	0.312	0.277	0.262	0.262	0.264	0.262	0.263	0.267	0.276	0.280	0.285
Other Petroleum 12/	0.411	0.423	0.443	0.429	0.435	0.430	0.423	0.428	0.426	0.430	0.434	0.438	0.443
Petroleum Subtotal	4.391	4.408	4.299	4.323	4.345	4.389	4.448	4.519	4.585	4.659	4.741	4.814	4.894
Natural Gas	2.581	2.447	2.408	2.542	2.644	2.679	2.701	2.756	2.832	2.885	2.925	2.976	3.007
Lease and Plant Fuel 6/	0.006	0.006	0.005	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005
Pipeline Natural Gas	0.050	0.047	0.037	0.040	0.041	0.042	0.042	0.043	0.045	0.047	0.048	0.049	0.050
Natural Gas Subtotal	2.637	2.500	2.450	2.586	2.689	2.725	2.747	2.804	2.882	2.937	2.978	3.030	3.062
Metallurgical Coal	0.220	0.199	0.179	0.189	0.188	0.188	0.188	0.187	0.190	0.186	0.183	0.180	0.176
Steam Coal	1.730	1.693	1.556	1.594	1.581	1.583	1.664	1.713	1.737	1.752	1.756	1.745	1.758
Net Coal Coke Imports	0.004	0.001	0.001	0.002	0.003	0.003	0.004	0.005	0.006	0.007	0.008	0.009	0.009
Coal Subtotal	1.954	1.893	1.735	1.785	1.772	1.774	1.856	1.905	1.933	1.945	1.947	1.933	1.944
Nuclear Power	1.458	1.485	1.496	1.501	1.520	1.522	1.528	1.550	1.557	1.558	1.559	1.560	1.560
Renewable Energy 16/	0.556	0.505	0.538	0.592	0.610	0.643	0.657	0.664	0.670	0.676	0.686	0.697	0.703
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity Imports	0.091	0.082	0.106	0.135	0.122	0.127	0.090	0.098	0.108	0.099	0.113	0.111	0.114
Total	11.086	10.873	10.624	10.921	11.059	11.179	11.327	11.540	11.736	11.874	12.024	12.145	12.277
Energy Use & Related Statistics													
Delivered Energy Use	8.124	7.956	7.938	8.144	8.272	8.353	8.462	8.596	8.716	8.828	8.945	9.049	9.139
Total Energy Use	11.086	10.873	10.624	10.921	11.059	11.179	11.327	11.540	11.736	11.874	12.024	12.145	12.277
Population (millions)	38.441	38.532	38.624	38.714	38.797	38.877	38.953	39.025	39.093	39.158	39.219	39.278	39.338
US GDP (billion 1996 dollars)	9191	9215	9440	9743	10074	10361	10667	11017	11408	11810	12258	12671	13082
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1578.2	1558.6	1536.2	1567.9	1597.2	1623.7	1662.3	1699.7	1734.5	1765.8	1800.5	1832.6	1862.1

Table 2. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Middle Atlantic

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption														
Residential														
Distillate Fuel	0.380	0.374	0.370	0.366	0.362	0.358	0.353	0.350	0.346	0.343	0.341	0.340	0.337	-0.8%
Kerosene	0.016	0.016	0.015	0.015	0.014	0.013	0.013	0.012	0.012	0.011	0.011	0.010	0.010	-3.8%
Liquefied Petroleum Gas	0.042	0.043	0.043	0.043	0.044	0.044	0.044	0.045	0.045	0.045	0.046	0.046	0.046	0.7%
Petroleum Subtotal	0.438	0.433	0.428	0.424	0.419	0.415	0.411	0.407	0.403	0.399	0.397	0.396	0.392	-0.7%
Natural Gas	0.893	0.894	0.896	0.901	0.901	0.905	0.909	0.914	0.916	0.920	0.925	0.932	0.934	0.5%
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	0.5%
Renewable Energy 1/	0.081	0.080	0.079	0.079	0.078	0.077	0.076	0.076	0.075	0.074	0.074	0.073	0.073	-0.6%
Electricity	0.439	0.439	0.440	0.442	0.442	0.444	0.446	0.449	0.451	0.454	0.458	0.462	0.463	0.8%
Delivered Energy	1.856	1.851	1.848	1.850	1.845	1.846	1.846	1.851	1.849	1.853	1.858	1.868	1.867	0.2%
Electricity Related Losses	0.975	0.974	0.960	0.972	0.970	0.983	0.990	1.007	1.008	1.015	1.019	1.034	1.035	0.4%
Total	2.831	2.825	2.808	2.823	2.815	2.829	2.836	2.859	2.857	2.868	2.877	2.902	2.902	0.3%
Commercial														
Distillate Fuel	0.134	0.133	0.132	0.131	0.131	0.130	0.129	0.128	0.127	0.126	0.125	0.124	0.123	-0.5%
Residual Fuel	0.030	0.030	0.030	0.030	0.029	0.029	0.029	0.029	0.030	0.030	0.030	0.029	0.029	-2.9%
Kerosene	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	-0.9%
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	0.0%
Motor Gasoline 2/	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	-1.2%
Petroleum Subtotal	0.184	0.183	0.182	0.181	0.181	0.180	0.179	0.178	0.177	0.176	0.175	0.174	0.172	-1.0%
Natural Gas	0.493	0.495	0.498	0.500	0.502	0.505	0.508	0.510	0.513	0.515	0.517	0.516	0.515	0.7%
Coal	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.1%
Renewable Energy 3/	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.0%
Electricity	0.650	0.655	0.658	0.660	0.661	0.662	0.664	0.667	0.672	0.678	0.683	0.687	0.688	1.1%
Delivered Energy	1.368	1.375	1.380	1.383	1.386	1.388	1.392	1.397	1.404	1.411	1.416	1.419	1.417	0.6%
Electricity Related Losses	1.443	1.453	1.437	1.452	1.450	1.465	1.472	1.495	1.502	1.514	1.521	1.538	1.536	0.7%
Total	2.811	2.828	2.816	2.835	2.836	2.854	2.864	2.891	2.906	2.925	2.938	2.957	2.953	0.6%
Industrial 4/														
Distillate Fuel	0.067	0.067	0.068	0.068	0.069	0.069	0.070	0.070	0.071	0.071	0.072	0.073	0.074	0.5%
Liquefied Petroleum Gas	0.074	0.076	0.083	0.084	0.086	0.090	0.096	0.097	0.098	0.097	0.098	0.098	0.103	5.4%
Petrochemical Feedstocks	0.171	0.173	0.175	0.177	0.179	0.182	0.184	0.186	0.189	0.191	0.193	0.196	0.197	1.8%
Residual Fuel	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	-3.0%
Motor Gasoline 2/	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	0.6%
Other Petroleum 5/	0.425	0.422	0.417	0.425	0.429	0.431	0.432	0.435	0.438	0.442	0.446	0.451	0.449	0.5%
Petroleum Subtotal	0.762	0.764	0.768	0.778	0.788	0.796	0.808	0.814	0.821	0.828	0.835	0.844	0.849	1.0%
Natural Gas	0.821	0.842	0.852	0.859	0.870	0.880	0.888	0.904	0.922	0.942	0.961	0.982	1.002	1.9%
Lease and Plant Fuel 6/	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	-0.2%
Natural Gas Subtotal	0.827	0.848	0.858	0.865	0.876	0.886	0.894	0.910	0.928	0.948	0.967	0.988	1.008	1.9%
Metallurgical Coal	0.173	0.170	0.167	0.164	0.161	0.158	0.155	0.152	0.149	0.147	0.144	0.141	0.139	-1.5%
Steam Coal	0.124	0.124	0.125	0.125	0.125	0.124	0.125	0.124	0.124	0.124	0.124	0.124	0.124	0.1%
Net Coal Coke Imports	0.010	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.011	0.011	0.012	0.012	11.4%
Coal Subtotal	0.307	0.305	0.302	0.299	0.296	0.293	0.291	0.287	0.285	0.282	0.280	0.277	0.274	-0.7%
Renewable Energy 7/	0.217	0.222	0.225	0.228	0.232	0.236	0.240	0.244	0.248	0.252	0.257	0.261	0.266	1.9%
Electricity	0.323	0.328	0.331	0.334	0.337	0.340	0.344	0.347	0.349	0.353	0.357	0.361	0.365	1.3%
Delivered Energy	2.436	2.467	2.484	2.504	2.529	2.551	2.576	2.602	2.630	2.663	2.696	2.732	2.762	1.2%
Electricity Related Losses	0.717	0.728	0.722	0.734	0.740	0.754	0.763	0.777	0.780	0.789	0.796	0.809	0.815	0.9%
Total	3.153	3.194	3.206	3.238	3.269	3.305	3.339	3.379	3.410	3.452	3.491	3.541	3.576	1.1%

Table 2. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Middle Atlantic

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Transportation														
Distillate Fuel 8/	0.661	0.671	0.679	0.686	0.694	0.702	0.711	0.719	0.726	0.736	0.746	0.757	0.767	1.9%
Jet Fuel 9/	0.406	0.415	0.424	0.432	0.441	0.450	0.458	0.465	0.473	0.480	0.488	0.496	0.503	1.6%
Motor Gasoline 2/	2.236	2.263	2.287	2.309	2.329	2.351	2.375	2.393	2.409	2.428	2.451	2.477	2.499	1.3%
Residual Fuel	0.130	0.130	0.129	0.129	0.128	0.128	0.128	0.127	0.127	0.126	0.126	0.126	0.125	-0.5%
Liquefied Petroleum Gas	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.010	7.0%
Other Petroleum 10/	0.026	0.026	0.026	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.027	0.028	0.4%
Petroleum Subtotal	3.466	3.513	3.554	3.591	3.628	3.666	3.708	3.740	3.771	3.808	3.848	3.893	3.933	1.4%
Pipeline Fuel Natural Gas	0.049	0.050	0.050	0.051	0.051	0.051	0.052	0.053	0.053	0.054	0.055	0.056	0.056	0.7%
Compressed Natural Gas	0.009	0.009	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.012	0.012	0.012	0.012	9.3%
Renewable Energy (E85) 11/	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	8.2%
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	0.013	0.013	0.014	0.014	0.014	0.014	0.015	0.015	0.016	0.016	0.016	0.017	0.017	2.1%
Delivered Energy	3.538	3.586	3.628	3.666	3.704	3.744	3.786	3.820	3.852	3.890	3.932	3.978	4.019	1.4%
Electricity Related Losses	0.029	0.029	0.029	0.030	0.031	0.032	0.033	0.034	0.035	0.035	0.036	0.037	0.038	1.8%
Total	3.567	3.615	3.657	3.696	3.735	3.775	3.819	3.854	3.887	3.926	3.968	4.015	4.057	1.4%
Delivered Energy Consumption, All Sector														
Distillate Fuel	1.241	1.246	1.248	1.251	1.255	1.259	1.263	1.267	1.270	1.276	1.283	1.294	1.301	0.7%
Kerosene	0.032	0.031	0.030	0.030	0.029	0.029	0.028	0.028	0.027	0.026	0.026	0.025	0.025	-2.2%
Jet Fuel 9/	0.406	0.415	0.424	0.432	0.441	0.450	0.458	0.465	0.473	0.480	0.488	0.496	0.503	1.6%
Liquefied Petroleum Gas	0.131	0.133	0.140	0.142	0.144	0.149	0.156	0.157	0.159	0.159	0.160	0.161	0.166	3.2%
Motor Gasoline 2/	2.250	2.277	2.301	2.323	2.344	2.365	2.390	2.407	2.424	2.443	2.466	2.492	2.514	1.3%
Petrochemical Feedstocks	0.171	0.173	0.175	0.177	0.179	0.182	0.184	0.186	0.189	0.191	0.193	0.196	0.197	1.8%
Residual Fuel	0.174	0.174	0.173	0.173	0.172	0.172	0.171	0.171	0.171	0.170	0.170	0.170	0.169	-1.3%
Other Petroleum 12/	0.445	0.444	0.438	0.446	0.451	0.453	0.454	0.457	0.460	0.465	0.469	0.474	0.472	0.5%
Petroleum Subtotal	4.850	4.893	4.932	4.975	5.016	5.057	5.105	5.139	5.171	5.211	5.255	5.306	5.347	1.0%
Natural Gas	2.216	2.241	2.256	2.270	2.285	2.301	2.316	2.340	2.361	2.389	2.415	2.443	2.463	1.1%
Lease and Plant Fuel 6/	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	-0.2%
Pipeline Natural Gas	0.049	0.050	0.050	0.051	0.051	0.051	0.052	0.053	0.053	0.054	0.055	0.056	0.056	0.7%
Natural Gas Subtotal	2.271	2.297	2.312	2.327	2.342	2.358	2.374	2.399	2.421	2.450	2.476	2.505	2.526	1.1%
Metallurgical Coal	0.173	0.170	0.167	0.164	0.161	0.158	0.155	0.152	0.149	0.147	0.144	0.141	0.139	-1.5%
Steam Coal	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.146	0.145	0.145	0.1%
Net Coal Coke Imports	0.010	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.011	0.011	0.012	0.012	11.4%
Coal Subtotal	0.329	0.326	0.323	0.320	0.317	0.314	0.312	0.309	0.306	0.303	0.301	0.298	0.296	-0.6%
Renewable Energy 13/	0.324	0.327	0.330	0.333	0.335	0.338	0.342	0.345	0.348	0.352	0.356	0.360	0.364	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	1.425	1.436	1.443	1.449	1.454	1.461	1.469	1.478	1.488	1.501	1.514	1.527	1.533	1.0%
Delivered Energy	9.198	9.279	9.339	9.403	9.464	9.529	9.601	9.670	9.735	9.817	9.902	9.997	10.065	1.0%
Electricity Related Losses	3.164	3.184	3.148	3.188	3.191	3.234	3.257	3.312	3.325	3.353	3.372	3.419	3.424	0.7%
Total	12.362	12.462	12.488	12.591	12.655	12.763	12.858	12.983	13.060	13.170	13.274	13.416	13.489	0.9%
Electric Generators 14/														
Distillate Fuel	0.010	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	-2.2%
Residual Fuel	0.115	0.116	0.118	0.118	0.117	0.116	0.117	0.119	0.119	0.119	0.120	0.120	0.121	-2.4%
Petroleum Subtotal	0.125	0.126	0.128	0.128	0.127	0.126	0.126	0.129	0.129	0.129	0.130	0.130	0.131	-2.4%
Natural Gas	0.784	0.811	0.851	0.887	0.903	0.936	0.981	1.026	1.063	1.111	1.151	1.174	1.188	3.3%
Steam Coal	1.628	1.636	1.644	1.652	1.657	1.691	1.691	1.696	1.696	1.699	1.697	1.733	1.732	0.5%
Nuclear Power	1.561	1.561	1.475	1.486	1.487	1.487	1.488	1.488	1.489	1.489	1.489	1.489	1.489	0.0%
Renewable Energy/Other 15/	0.385	0.387	0.389	0.388	0.386	0.384	0.384	0.384	0.384	0.385	0.385	0.388	0.389	2.3%
Electricity Imports	0.107	0.098	0.105	0.096	0.085	0.071	0.056	0.067	0.053	0.042	0.034	0.032	0.027	-4.5%
Total	4.589	4.620	4.591	4.637	4.645	4.695	4.726	4.791	4.814	4.854	4.886	4.946	4.957	0.8%
Total Energy Consumption														

Table 2. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Middle Atlantic

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Distillate Fuel	1.251	1.255	1.258	1.261	1.265	1.269	1.273	1.277	1.279	1.286	1.293	1.304	1.310	0.7%
Kerosene	0.032	0.031	0.030	0.030	0.029	0.029	0.028	0.028	0.027	0.026	0.026	0.025	0.025	-2.2%
Jet Fuel 9/	0.406	0.415	0.424	0.432	0.441	0.450	0.458	0.465	0.473	0.480	0.488	0.496	0.503	1.6%
Liquefied Petroleum Gas	0.131	0.133	0.140	0.142	0.144	0.149	0.156	0.157	0.159	0.159	0.160	0.161	0.166	3.2%
Motor Gasoline 2/	2.250	2.277	2.301	2.323	2.344	2.365	2.390	2.407	2.424	2.443	2.466	2.492	2.514	1.3%
Petrochemical Feedstocks	0.171	0.173	0.175	0.177	0.179	0.182	0.184	0.186	0.189	0.191	0.193	0.196	0.197	1.8%
Residual Fuel	0.289	0.290	0.291	0.291	0.289	0.288	0.288	0.290	0.290	0.289	0.290	0.290	0.290	-1.8%
Other Petroleum 12/	0.445	0.444	0.438	0.446	0.451	0.453	0.454	0.457	0.460	0.465	0.469	0.474	0.472	0.5%
Petroleum Subtotal	4.975	5.018	5.059	5.103	5.143	5.183	5.231	5.268	5.300	5.339	5.385	5.437	5.478	0.9%
Natural Gas	3.000	3.052	3.107	3.157	3.188	3.237	3.296	3.366	3.424	3.501	3.566	3.617	3.652	1.7%
Lease and Plant Fuel 6/	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	-0.2%
Pipeline Natural Gas	0.049	0.050	0.050	0.051	0.051	0.051	0.052	0.053	0.053	0.054	0.055	0.056	0.056	0.7%
Natural Gas Subtotal	3.055	3.107	3.163	3.214	3.245	3.294	3.355	3.425	3.484	3.561	3.627	3.679	3.714	1.7%
Metallurgical Coal	0.173	0.170	0.167	0.164	0.161	0.158	0.155	0.152	0.149	0.147	0.144	0.141	0.139	-1.5%
Steam Coal	1.773	1.782	1.790	1.798	1.803	1.837	1.837	1.842	1.842	1.845	1.843	1.878	1.878	0.4%
Net Coal Coke Imports	0.010	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.011	0.011	0.012	0.012	11.4%
Coal Subtotal	1.956	1.962	1.967	1.972	1.974	2.005	2.003	2.005	2.002	2.003	1.998	2.031	2.028	0.3%
Nuclear Power	1.561	1.561	1.475	1.486	1.487	1.487	1.488	1.488	1.489	1.489	1.489	1.489	1.489	0.0%
Renewable Energy 16/	0.709	0.714	0.718	0.720	0.721	0.722	0.726	0.729	0.732	0.737	0.741	0.749	0.753	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	0.107	0.098	0.105	0.096	0.085	0.071	0.056	0.067	0.053	0.042	0.034	0.032	0.027	-4.5%
Total	12.362	12.462	12.488	12.591	12.655	12.763	12.858	12.983	13.060	13.170	13.274	13.416	13.489	0.9%
Energy Use & Related Statistics														
Delivered Energy Use	9.198	9.279	9.339	9.403	9.464	9.529	9.601	9.670	9.735	9.817	9.902	9.997	10.065	1.0%
Total Energy Use	12.362	12.462	12.488	12.591	12.655	12.763	12.858	12.983	13.060	13.170	13.274	13.416	13.489	0.9%
Population (millions)	39.398	39.459	39.519	39.578	39.637	39.696	39.755	39.813	39.873	39.935	40.000	40.067	40.135	0.2%
US GDP (billion 1996 dollars)	13480	13893	14288	14681	15101	15540	16013	16450	16888	17363	17858	18389	18917	3.0%
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1889.2	1915.7	1944.2	1970.2	1996.8	2024.6	2055.5	2082.5	2108.3	2139.7	2170.8	2204.3	2236.9	1.5%

Table 2. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Middle Atlantic

1/ Includes wood used for residential heating. See Table A18 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 electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.
4/ Fuel consumption includes consumption for combined heat and power, which produces electricity, both for sale to the grid and for own use, and other useful thermal energy.
5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.
6/ Represents natural gas used in the field gathering and processing plant machinery.
7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.
8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.
9/ Includes only kerosene type.
10/ Includes aviation gasoline and lubricants.
11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
12/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.
13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
14/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2000 and 2001 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: 2000 and 2001 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). 2000 and 2001 population and gross domestic product: Global Insight macroeconomic model CTL0802. 2000 and 2001 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2001, DOE/EIA-0573(2001) (Washington, DC, December 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

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

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption													
Residential													
Distillate Fuel	0.056	0.058	0.057	0.061	0.061	0.061	0.061	0.061	0.061	0.060	0.059	0.059	0.058
Kerosene	0.008	0.008	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
Liquefied Petroleum Gas	0.136	0.124	0.133	0.125	0.126	0.125	0.126	0.126	0.127	0.126	0.126	0.126	0.127
Petroleum Subtotal	0.200	0.191	0.196	0.194	0.194	0.194	0.195	0.195	0.195	0.194	0.193	0.192	0.192
Natural Gas	1.502	1.428	1.464	1.550	1.572	1.578	1.593	1.602	1.614	1.614	1.618	1.618	1.627
Coal	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
Renewable Energy 1/	0.041	0.038	0.040	0.042	0.042	0.042	0.042	0.042	0.043	0.043	0.043	0.043	0.043
Electricity	0.588	0.605	0.631	0.649	0.662	0.673	0.685	0.699	0.715	0.726	0.738	0.747	0.757
Delivered Energy	2.334	2.265	2.333	2.438	2.473	2.489	2.518	2.541	2.568	2.579	2.594	2.603	2.621
Electricity Related Losses	1.383	1.402	1.528	1.575	1.593	1.611	1.650	1.672	1.693	1.732	1.744	1.766	1.781
Total	3.717	3.667	3.861	4.014	4.066	4.100	4.168	4.214	4.261	4.311	4.338	4.369	4.403
Commercial													
Distillate Fuel	0.047	0.048	0.049	0.049	0.051	0.052	0.053	0.053	0.053	0.053	0.054	0.054	0.054
Residual Fuel	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
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
Liquefied Petroleum Gas	0.024	0.022	0.023	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
Motor Gasoline 2/	0.010	0.010	0.010	0.008	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
Petroleum Subtotal	0.086	0.084	0.085	0.081	0.082	0.083	0.084	0.085	0.085	0.085	0.086	0.086	0.086
Natural Gas	0.810	0.806	0.807	0.848	0.867	0.875	0.881	0.883	0.882	0.879	0.874	0.872	0.872
Coal	0.023	0.023	0.023	0.022	0.022	0.022	0.023	0.023	0.023	0.023	0.023	0.023	0.023
Renewable Energy 3/	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015
Electricity	0.540	0.569	0.594	0.590	0.602	0.612	0.622	0.632	0.639	0.646	0.651	0.657	0.663
Delivered Energy	1.475	1.497	1.525	1.557	1.588	1.607	1.626	1.638	1.644	1.648	1.650	1.654	1.660
Electricity Related Losses	1.271	1.316	1.440	1.432	1.449	1.466	1.498	1.510	1.513	1.540	1.539	1.553	1.559
Total	2.746	2.814	2.965	2.989	3.037	3.073	3.124	3.148	3.157	3.188	3.189	3.208	3.219
Industrial 4/													
Distillate Fuel	0.166	0.167	0.161	0.162	0.164	0.165	0.166	0.169	0.173	0.176	0.179	0.182	0.184
Liquefied Petroleum Gas	0.090	0.083	0.087	0.088	0.087	0.087	0.088	0.089	0.091	0.093	0.096	0.098	0.100
Petrochemical Feedstocks	0.202	0.175	0.186	0.192	0.195	0.196	0.199	0.204	0.209	0.215	0.221	0.227	0.233
Residual Fuel	0.020	0.020	0.017	0.018	0.009	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.011
Motor Gasoline 2/	0.024	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.026	0.026	0.027	0.027
Other Petroleum 5/	0.662	0.678	0.702	0.677	0.724	0.720	0.719	0.728	0.731	0.739	0.742	0.742	0.743
Petroleum Subtotal	1.165	1.147	1.179	1.162	1.205	1.202	1.207	1.226	1.240	1.260	1.275	1.287	1.298
Natural Gas	1.308	1.175	1.235	1.255	1.330	1.340	1.367	1.388	1.399	1.423	1.462	1.498	1.521
Lease and Plant Fuel 6/	0.012	0.012	0.015	0.015	0.014	0.013	0.012	0.011	0.011	0.010	0.010	0.010	0.010
Natural Gas Subtotal	1.320	1.187	1.250	1.270	1.344	1.352	1.379	1.399	1.410	1.434	1.472	1.508	1.531
Metallurgical Coal	0.378	0.341	0.307	0.324	0.324	0.323	0.323	0.322	0.326	0.320	0.315	0.309	0.303
Steam Coal	0.360	0.349	0.330	0.337	0.338	0.338	0.338	0.341	0.345	0.347	0.349	0.351	0.353
Net Coal Coke Imports	0.044	0.017	0.013	0.024	0.029	0.031	0.037	0.043	0.048	0.055	0.063	0.070	0.075
Coal Subtotal	0.783	0.708	0.650	0.684	0.691	0.693	0.698	0.706	0.719	0.722	0.727	0.730	0.732
Renewable Energy 7/	0.341	0.334	0.330	0.344	0.356	0.365	0.373	0.385	0.395	0.409	0.425	0.440	0.453
Electricity	0.776	0.721	0.671	0.708	0.728	0.739	0.756	0.779	0.802	0.820	0.841	0.861	0.878

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

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Delivered Energy	4.385	4.097	4.080	4.169	4.323	4.350	4.413	4.494	4.566	4.644	4.741	4.826	4.892
Electricity Related Losses	1.826	1.669	1.626	1.717	1.750	1.768	1.821	1.862	1.898	1.955	1.987	2.035	2.065
Total	6.211	5.767	5.706	5.886	6.073	6.118	6.234	6.357	6.465	6.599	6.728	6.861	6.956
Transportation													
Distillate Fuel 8/	0.875	0.891	0.886	0.914	0.942	0.962	0.989	1.018	1.046	1.076	1.109	1.139	1.163
Jet Fuel 9/	0.343	0.328	0.322	0.316	0.313	0.319	0.326	0.334	0.342	0.351	0.359	0.367	0.375
Motor Gasoline 2/	2.568	2.602	2.665	2.696	2.729	2.776	2.832	2.893	2.955	3.014	3.075	3.131	3.182
Residual Fuel	0.003	0.003	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	0.003	0.003	0.004	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.009	0.009	0.010
Other Petroleum 10/	0.031	0.033	0.034	0.034	0.034	0.033	0.033	0.034	0.034	0.034	0.034	0.035	0.035
Petroleum Subtotal	3.822	3.860	3.914	3.968	4.026	4.099	4.190	4.287	4.386	4.485	4.588	4.683	4.768
Pipeline Fuel Natural Gas	0.070	0.066	0.058	0.063	0.065	0.066	0.067	0.068	0.070	0.073	0.074	0.076	0.076
Compressed Natural Gas	0.001	0.002	0.002	0.003	0.004	0.005	0.005	0.006	0.007	0.007	0.008	0.009	0.009
Renewable Energy (E85) 11/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.015	0.015
Delivered Energy	3.904	3.940	3.987	4.047	4.108	4.183	4.276	4.375	4.477	4.580	4.686	4.783	4.869
Electricity Related Losses	0.028	0.028	0.030	0.030	0.031	0.031	0.032	0.032	0.033	0.034	0.034	0.035	0.036
Total	3.932	3.968	4.017	4.077	4.138	4.214	4.308	4.408	4.510	4.614	4.720	4.818	4.905
Delivered Energy Consumption, All Sectors													
Distillate Fuel	1.144	1.165	1.154	1.187	1.218	1.240	1.269	1.301	1.333	1.365	1.401	1.433	1.459
Kerosene	0.013	0.014	0.011	0.012	0.012	0.012	0.012	0.012	0.013	0.012	0.012	0.012	0.012
Jet Fuel 9/	0.343	0.328	0.322	0.316	0.313	0.319	0.326	0.334	0.342	0.351	0.359	0.367	0.375
Liquefied Petroleum Gas	0.254	0.232	0.247	0.240	0.240	0.241	0.243	0.245	0.248	0.250	0.253	0.256	0.259
Motor Gasoline 2/	2.602	2.637	2.701	2.728	2.760	2.807	2.864	2.925	2.987	3.047	3.108	3.164	3.216
Petrochemical Feedstocks	0.202	0.175	0.186	0.192	0.195	0.196	0.199	0.204	0.209	0.215	0.221	0.227	0.233
Residual Fuel	0.024	0.024	0.020	0.021	0.013	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.015
Other Petroleum 12/	0.690	0.708	0.733	0.708	0.755	0.750	0.749	0.758	0.761	0.770	0.773	0.773	0.775
Petroleum Subtotal	5.273	5.283	5.374	5.406	5.507	5.578	5.676	5.792	5.906	6.024	6.142	6.248	6.344
Natural Gas	3.621	3.411	3.509	3.657	3.772	3.797	3.847	3.880	3.901	3.923	3.963	3.998	4.030
Lease and Plant Fuel 6/	0.012	0.012	0.015	0.015	0.014	0.013	0.012	0.011	0.011	0.010	0.010	0.010	0.010
Pipeline Natural Gas	0.070	0.066	0.058	0.063	0.065	0.066	0.067	0.068	0.070	0.073	0.074	0.076	0.076
Natural Gas Subtotal	3.703	3.489	3.582	3.735	3.851	3.875	3.925	3.959	3.982	4.006	4.047	4.083	4.116
Metallurgical Coal	0.378	0.341	0.307	0.324	0.324	0.323	0.323	0.322	0.326	0.320	0.315	0.309	0.303
Steam Coal	0.386	0.375	0.356	0.362	0.363	0.363	0.364	0.367	0.370	0.372	0.375	0.377	0.380
Net Coal Coke Imports	0.044	0.017	0.013	0.024	0.029	0.031	0.037	0.043	0.048	0.055	0.063	0.070	0.075
Coal Subtotal	0.808	0.734	0.676	0.709	0.716	0.718	0.723	0.732	0.745	0.747	0.752	0.756	0.758
Renewable Energy 13/	0.398	0.387	0.385	0.402	0.414	0.422	0.431	0.443	0.454	0.467	0.483	0.498	0.512
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity	1.916	1.907	1.909	1.959	2.005	2.037	2.077	2.123	2.169	2.206	2.245	2.280	2.312
Delivered Energy	12.098	11.800	11.924	12.211	12.492	12.630	12.833	13.049	13.256	13.451	13.670	13.866	14.043
Electricity Related Losses	4.508	4.415	4.624	4.755	4.822	4.876	5.000	5.077	5.137	5.261	5.304	5.389	5.440
Total	16.606	16.215	16.548	16.966	17.314	17.506	17.833	18.126	18.392	18.711	18.975	19.255	19.483
Electric Generators 14/													
Distillate Fuel	0.004	0.007	0.004	0.007	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Residual Fuel	0.025	0.029	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Subtotal	0.029	0.036	0.005	0.008	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Natural Gas	0.231	0.226	0.470	0.483	0.537	0.551	0.557	0.549	0.626	0.711	0.727	0.785	0.817
Steam Coal	4.584	4.466	4.410	4.570	4.618	4.675	4.815	4.973	5.103	5.171	5.231	5.289	5.340
Nuclear Power	1.496	1.524	1.568	1.579	1.586	1.592	1.602	1.576	1.473	1.475	1.476	1.477	1.477
Renewable Energy/Other 15/	0.081	0.086	0.099	0.100	0.101	0.112	0.114	0.115	0.117	0.123	0.130	0.133	0.133
Electricity Imports	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total	6.424	6.322	6.533	6.714	6.827	6.913	7.078	7.200	7.306	7.466	7.549	7.669	7.753
Total Energy Consumption													
Distillate Fuel	1.148	1.172	1.158	1.194	1.224	1.246	1.275	1.307	1.339	1.371	1.407	1.439	1.466
Kerosene	0.013	0.014	0.011	0.012	0.012	0.012	0.012	0.012	0.013	0.012	0.012	0.012	0.012
Jet Fuel 9/	0.343	0.328	0.322	0.316	0.313	0.319	0.326	0.334	0.342	0.351	0.359	0.367	0.375
Liquefied Petroleum Gas	0.254	0.232	0.247	0.240	0.240	0.241	0.243	0.245	0.248	0.250	0.253	0.256	0.259
Motor Gasoline 2/	2.602	2.637	2.701	2.728	2.760	2.807	2.864	2.925	2.987	3.047	3.108	3.164	3.216
Petrochemical Feedstocks	0.202	0.175	0.186	0.192	0.195	0.196	0.199	0.204	0.209	0.215	0.221	0.227	0.233
Residual Fuel	0.050	0.053	0.021	0.022	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.015	0.015
Other Petroleum 12/	0.690	0.708	0.733	0.708	0.755	0.750	0.749	0.758	0.761	0.770	0.773	0.773	0.775
Petroleum Subtotal	5.302	5.319	5.379	5.413	5.514	5.584	5.682	5.798	5.913	6.031	6.149	6.254	6.351
Natural Gas	3.852	3.637	3.979	4.140	4.309	4.348	4.404	4.428	4.527	4.634	4.690	4.783	4.847
Lease and Plant Fuel 6/	0.012	0.012	0.015	0.015	0.014	0.013	0.012	0.011	0.011	0.010	0.010	0.010	0.010
Pipeline Natural Gas	0.070	0.066	0.058	0.063	0.065	0.066	0.067	0.068	0.070	0.073	0.074	0.076	0.076
Natural Gas Subtotal	3.933	3.715	4.052	4.218	4.388	4.426	4.483	4.507	4.608	4.717	4.774	4.868	4.933
Metallurgical Coal	0.378	0.341	0.307	0.324	0.324	0.323	0.323	0.322	0.326	0.320	0.315	0.309	0.303
Steam Coal	4.969	4.841	4.766	4.931	4.981	5.038	5.179	5.340	5.474	5.543	5.606	5.667	5.720
Net Coal Coke Imports	0.044	0.017	0.013	0.024	0.029	0.031	0.037	0.043	0.048	0.055	0.063	0.070	0.075
Coal Subtotal	5.392	5.200	5.086	5.279	5.334	5.393	5.539	5.705	5.848	5.918	5.983	6.046	6.098
Nuclear Power	1.496	1.524	1.568	1.579	1.586	1.592	1.602	1.576	1.473	1.475	1.476	1.477	1.477
Renewable Energy 16/	0.479	0.473	0.484	0.502	0.515	0.534	0.545	0.558	0.571	0.590	0.613	0.631	0.645
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity Imports	0.002	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	16.606	16.231	16.568	16.991	17.337	17.530	17.850	18.144	18.413	18.730	18.996	19.276	19.505
Energy Use & Related Statistics													
Delivered Energy Use	12.098	11.800	11.924	12.211	12.492	12.630	12.833	13.049	13.256	13.451	13.670	13.866	14.043
Total Energy Use	16.606	16.215	16.548	16.966	17.314	17.506	17.833	18.126	18.392	18.711	18.975	19.255	19.483
Population (millions)	44.698	44.904	45.110	45.302	45.491	45.680	45.868	46.046	46.202	46.335	46.464	46.591	46.719
US GDP (billion 1996 dollars)	9191	9215	9440	9743	10074	10361	10667	11017	11408	11810	12258	12671	13082
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1578.2	1558.6	1536.2	1567.9	1597.2	1623.7	1662.3	1699.7	1734.5	1765.8	1800.5	1832.6	1862.1

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

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption														
Residential														
Distillate Fuel	0.057	0.056	0.055	0.055	0.054	0.053	0.052	0.051	0.050	0.049	0.048	0.047	0.047	-0.9%
Kerosene	0.007	0.007	0.006	0.006	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.004	-2.7%
Liquefied Petroleum Gas	0.127	0.128	0.128	0.129	0.129	0.129	0.130	0.131	0.131	0.131	0.132	0.133	0.133	0.3%
Petroleum Subtotal	0.191	0.190	0.190	0.190	0.188	0.188	0.187	0.187	0.186	0.185	0.184	0.185	0.184	-0.2%
Natural Gas	1.628	1.634	1.641	1.653	1.657	1.669	1.682	1.696	1.703	1.716	1.728	1.744	1.749	0.8%
Coal	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.5%
Renewable Energy 1/	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.3%
Electricity	0.763	0.772	0.782	0.792	0.800	0.809	0.820	0.831	0.838	0.847	0.859	0.870	0.880	1.6%
Delivered Energy	2.627	2.640	2.657	2.680	2.691	2.711	2.733	2.758	2.772	2.793	2.816	2.843	2.857	1.0%
Electricity Related Losses	1.790	1.788	1.801	1.813	1.826	1.821	1.845	1.859	1.875	1.877	1.899	1.880	1.887	1.2%
Total	4.417	4.429	4.458	4.493	4.516	4.532	4.579	4.618	4.646	4.669	4.715	4.722	4.744	1.1%
Commercial														
Distillate Fuel	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.5%
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	-1.6%
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	-1.1%
Liquefied Petroleum Gas	0.022	0.022	0.022	0.022	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.2%
Motor Gasoline 2/	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	-1.4%
Petroleum Subtotal	0.086	0.086	0.086	0.086	0.086	0.086	0.086	0.086	0.087	0.087	0.087	0.087	0.088	0.2%
Natural Gas	0.874	0.876	0.880	0.885	0.891	0.898	0.906	0.913	0.921	0.930	0.939	0.948	0.958	0.7%
Coal	0.023	0.024	0.024	0.024	0.024	0.024	0.024	0.025	0.025	0.025	0.025	0.025	0.026	0.4%
Renewable Energy 3/	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.0%
Electricity	0.669	0.676	0.685	0.693	0.702	0.712	0.723	0.734	0.747	0.759	0.774	0.787	0.804	1.5%
Delivered Energy	1.668	1.678	1.690	1.703	1.719	1.736	1.755	1.773	1.795	1.817	1.840	1.863	1.890	1.0%
Electricity Related Losses	1.570	1.568	1.577	1.585	1.603	1.603	1.628	1.642	1.670	1.682	1.712	1.701	1.724	1.1%
Total	3.238	3.246	3.267	3.288	3.322	3.338	3.383	3.416	3.465	3.498	3.552	3.564	3.615	1.0%
Industrial 4/														
Distillate Fuel	0.185	0.187	0.188	0.190	0.191	0.193	0.195	0.197	0.199	0.201	0.203	0.206	0.208	0.9%
Liquefied Petroleum Gas	0.102	0.103	0.105	0.106	0.107	0.109	0.111	0.112	0.114	0.116	0.117	0.119	0.121	1.6%
Petrochemical Feedstocks	0.236	0.240	0.243	0.245	0.249	0.253	0.258	0.261	0.265	0.269	0.272	0.276	0.280	2.0%
Residual Fuel	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.012	0.012	-2.2%
Motor Gasoline 2/	0.027	0.027	0.027	0.028	0.028	0.028	0.028	0.029	0.029	0.029	0.030	0.030	0.030	0.9%
Other Petroleum 5/	0.745	0.751	0.750	0.753	0.756	0.756	0.761	0.764	0.765	0.767	0.768	0.771	0.774	0.5%
Petroleum Subtotal	1.306	1.319	1.324	1.332	1.343	1.351	1.364	1.375	1.383	1.393	1.402	1.413	1.425	0.9%
Natural Gas	1.538	1.552	1.567	1.576	1.590	1.610	1.635	1.651	1.675	1.702	1.724	1.751	1.772	1.7%
Lease and Plant Fuel 6/	0.010	0.010	0.010	0.010	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	-1.3%
Natural Gas Subtotal	1.547	1.562	1.577	1.586	1.600	1.619	1.644	1.661	1.684	1.711	1.733	1.760	1.781	1.7%
Metallurgical Coal	0.298	0.292	0.287	0.282	0.276	0.271	0.266	0.262	0.257	0.252	0.248	0.243	0.239	-1.5%
Steam Coal	0.355	0.356	0.357	0.357	0.357	0.357	0.358	0.359	0.359	0.360	0.361	0.363	0.364	0.2%
Net Coal Coke Imports	0.078	0.081	0.080	0.079	0.080	0.082	0.084	0.083	0.083	0.085	0.087	0.089	0.091	7.1%
Coal Subtotal	0.730	0.729	0.724	0.718	0.714	0.710	0.708	0.703	0.699	0.697	0.695	0.695	0.693	-0.1%
Renewable Energy 7/	0.466	0.479	0.490	0.500	0.512	0.525	0.538	0.549	0.559	0.571	0.583	0.596	0.607	2.5%
Electricity	0.891	0.905	0.915	0.923	0.935	0.946	0.960	0.971	0.982	0.996	1.011	1.027	1.042	1.5%

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

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Delivered Energy	4.941	4.993	5.029	5.060	5.104	5.152	5.215	5.258	5.307	5.369	5.424	5.491	5.547	1.3%
Electricity Related Losses	2.090	2.097	2.107	2.113	2.133	2.129	2.161	2.172	2.195	2.207	2.236	2.219	2.234	1.2%
Total	7.031	7.090	7.137	7.173	7.237	7.281	7.376	7.431	7.502	7.575	7.659	7.710	7.781	1.3%
Transportation														
Distillate Fuel 8/	1.183	1.202	1.217	1.230	1.245	1.261	1.278	1.293	1.308	1.327	1.347	1.370	1.389	1.9%
Jet Fuel 9/	0.384	0.393	0.402	0.411	0.419	0.428	0.436	0.444	0.452	0.460	0.468	0.476	0.484	1.6%
Motor Gasoline 2/	3.232	3.275	3.314	3.350	3.383	3.419	3.458	3.487	3.515	3.546	3.583	3.625	3.661	1.4%
Residual Fuel	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-0.5%
Liquefied Petroleum Gas	0.010	0.010	0.011	0.011	0.011	0.012	0.012	0.012	0.012	0.012	0.013	0.013	0.013	6.0%
Other Petroleum 10/	0.035	0.036	0.036	0.037	0.037	0.038	0.038	0.038	0.038	0.039	0.039	0.039	0.039	0.7%
Petroleum Subtotal	4.847	4.919	4.982	5.040	5.099	5.159	5.224	5.277	5.328	5.387	5.452	5.525	5.589	1.6%
Pipeline Fuel Natural Gas	0.077	0.078	0.079	0.079	0.081	0.082	0.084	0.085	0.087	0.089	0.091	0.091	0.092	1.4%
Compressed Natural Gas	0.010	0.010	0.011	0.011	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.013	0.013	9.2%
Renewable Energy (E85) 11/	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	8.4%
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	0.015	0.016	0.016	0.016	0.017	0.017	0.018	0.018	0.019	0.019	0.020	0.020	0.020	2.3%
Delivered Energy	4.950	5.023	5.089	5.148	5.208	5.270	5.338	5.393	5.447	5.509	5.576	5.651	5.717	1.6%
Electricity Related Losses	0.036	0.037	0.037	0.038	0.038	0.039	0.040	0.041	0.042	0.042	0.043	0.043	0.044	1.9%
Total	4.986	5.060	5.126	5.186	5.247	5.309	5.378	5.433	5.489	5.551	5.619	5.694	5.761	1.6%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	1.479	1.499	1.514	1.528	1.544	1.560	1.579	1.595	1.611	1.631	1.652	1.677	1.698	1.6%
Kerosene	0.012	0.012	0.012	0.011	0.011	0.011	0.011	0.011	0.010	0.010	0.010	0.010	0.010	-1.7%
Jet Fuel 9/	0.384	0.393	0.402	0.411	0.419	0.428	0.436	0.444	0.452	0.460	0.468	0.476	0.484	1.6%
Liquefied Petroleum Gas	0.261	0.264	0.265	0.268	0.270	0.272	0.275	0.278	0.280	0.282	0.284	0.288	0.290	0.9%
Motor Gasoline 2/	3.266	3.309	3.348	3.385	3.418	3.454	3.493	3.523	3.551	3.583	3.620	3.662	3.698	1.4%
Petrochemical Feedstocks	0.236	0.240	0.243	0.245	0.249	0.253	0.258	0.261	0.265	0.269	0.272	0.276	0.280	2.0%
Residual Fuel	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	-1.9%
Other Petroleum 12/	0.777	0.783	0.783	0.786	0.790	0.790	0.796	0.798	0.799	0.802	0.803	0.806	0.810	0.6%
Petroleum Subtotal	6.431	6.515	6.582	6.649	6.717	6.784	6.862	6.924	6.983	7.052	7.125	7.210	7.285	1.3%
Natural Gas	4.049	4.072	4.099	4.125	4.150	4.189	4.235	4.273	4.312	4.362	4.405	4.456	4.492	1.2%
Lease and Plant Fuel 6/	0.010	0.010	0.010	0.010	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	-1.3%
Pipeline Natural Gas	0.077	0.078	0.079	0.079	0.081	0.082	0.084	0.085	0.087	0.089	0.091	0.091	0.092	1.4%
Natural Gas Subtotal	4.136	4.160	4.187	4.214	4.240	4.280	4.327	4.367	4.408	4.459	4.504	4.556	4.593	1.2%
Metallurgical Coal	0.298	0.292	0.287	0.282	0.276	0.271	0.266	0.262	0.257	0.252	0.248	0.243	0.239	-1.5%
Steam Coal	0.381	0.382	0.383	0.383	0.384	0.384	0.385	0.386	0.387	0.387	0.389	0.390	0.392	0.2%
Net Coal Coke Imports	0.078	0.081	0.080	0.079	0.080	0.082	0.084	0.083	0.083	0.085	0.087	0.089	0.091	7.1%
Coal Subtotal	0.757	0.755	0.750	0.744	0.741	0.737	0.735	0.731	0.727	0.724	0.723	0.723	0.721	-0.1%
Renewable Energy 13/	0.524	0.537	0.548	0.559	0.570	0.583	0.596	0.607	0.617	0.629	0.641	0.654	0.665	2.3%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	2.339	2.368	2.398	2.425	2.454	2.485	2.521	2.554	2.585	2.622	2.663	2.705	2.747	1.5%
Delivered Energy	14.186	14.335	14.465	14.590	14.722	14.869	15.042	15.183	15.320	15.487	15.656	15.848	16.012	1.3%
Electricity Related Losses	5.486	5.490	5.522	5.549	5.600	5.591	5.674	5.714	5.781	5.807	5.890	5.842	5.890	1.2%
Total	19.672	19.825	19.987	20.139	20.322	20.460	20.716	20.897	21.102	21.294	21.546	21.690	21.901	1.3%
Electric Generators 14/														
Distillate Fuel	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.6%
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	-17.0%
Petroleum Subtotal	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	-5.9%
Natural Gas	0.859	0.871	0.925	0.963	1.037	1.092	1.186	1.236	1.360	1.416	1.511	1.496	1.556	8.4%
Steam Coal	5.368	5.387	5.394	5.407	5.411	5.374	5.394	5.418	5.390	5.394	5.419	5.428	5.456	0.8%
Nuclear Power	1.478	1.479	1.479	1.480	1.481	1.481	1.482	1.483	1.483	1.483	1.483	1.483	1.483	-0.1%
Renewable Energy/Other 15/	0.134	0.134	0.135	0.135	0.135	0.135	0.137	0.135	0.136	0.136	0.138	0.138	0.138	2.0%
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

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

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total	7.825	7.858	7.920	7.974	8.054	8.076	8.195	8.268	8.367	8.429	8.553	8.547	8.636	1.3%
Total Energy Consumption														
Distillate Fuel	1.486	1.506	1.521	1.535	1.551	1.567	1.585	1.603	1.619	1.639	1.660	1.685	1.706	1.6%
Kerosene	0.012	0.012	0.012	0.011	0.011	0.011	0.011	0.011	0.010	0.010	0.010	0.010	0.010	-1.7%
Jet Fuel 9/	0.384	0.393	0.402	0.411	0.419	0.428	0.436	0.444	0.452	0.460	0.468	0.476	0.484	1.6%
Liquefied Petroleum Gas	0.261	0.264	0.265	0.268	0.270	0.272	0.275	0.278	0.280	0.282	0.284	0.288	0.290	0.9%
Motor Gasoline 2/	3.266	3.309	3.348	3.385	3.418	3.454	3.493	3.523	3.551	3.583	3.620	3.662	3.698	1.4%
Petrochemical Feedstocks	0.236	0.240	0.243	0.245	0.249	0.253	0.258	0.261	0.265	0.269	0.272	0.276	0.280	2.0%
Residual Fuel	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	-5.1%
Other Petroleum 12/	0.777	0.783	0.783	0.786	0.790	0.790	0.796	0.798	0.799	0.802	0.803	0.806	0.810	0.6%
Petroleum Subtotal	6.437	6.521	6.588	6.655	6.723	6.790	6.869	6.932	6.991	7.060	7.133	7.219	7.294	1.3%
Natural Gas	4.908	4.943	5.024	5.088	5.187	5.281	5.421	5.510	5.672	5.778	5.916	5.952	6.048	2.1%
Lease and Plant Fuel 6/	0.010	0.010	0.010	0.010	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	-1.3%
Pipeline Natural Gas	0.077	0.078	0.079	0.079	0.081	0.082	0.084	0.085	0.087	0.089	0.091	0.091	0.092	1.4%
Natural Gas Subtotal	4.995	5.031	5.112	5.177	5.277	5.372	5.514	5.604	5.768	5.875	6.015	6.053	6.149	2.1%
Metallurgical Coal	0.298	0.292	0.287	0.282	0.276	0.271	0.266	0.262	0.257	0.252	0.248	0.243	0.239	-1.5%
Steam Coal	5.749	5.770	5.777	5.791	5.795	5.758	5.779	5.805	5.776	5.781	5.808	5.818	5.848	0.8%
Net Coal Coke Imports	0.078	0.081	0.080	0.079	0.080	0.082	0.084	0.083	0.083	0.085	0.087	0.089	0.091	7.1%
Coal Subtotal	6.125	6.142	6.144	6.151	6.152	6.111	6.129	6.149	6.116	6.118	6.142	6.150	6.177	0.7%
Nuclear Power	1.478	1.479	1.479	1.480	1.481	1.481	1.482	1.483	1.483	1.483	1.483	1.483	1.483	-0.1%
Renewable Energy 16/	0.658	0.671	0.682	0.693	0.705	0.718	0.733	0.742	0.753	0.765	0.779	0.792	0.803	2.2%
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 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	19.692	19.844	20.006	20.157	20.338	20.473	20.727	20.910	21.112	21.301	21.552	21.696	21.906	1.3%
Energy Use & Related Statistics														
Delivered Energy Use	14.186	14.335	14.465	14.590	14.722	14.869	15.042	15.183	15.320	15.487	15.656	15.848	16.012	1.3%
Total Energy Use	19.672	19.825	19.987	20.139	20.322	20.460	20.716	20.897	21.102	21.294	21.546	21.690	21.901	1.3%
Population (millions)	46.848	46.977	47.105	47.233	47.359	47.485	47.610	47.733	47.858	47.984	48.111	48.241	48.370	0.3%
US GDP (billion 1996 dollars)	13480	13893	14288	14681	15101	15540	16013	16450	16888	17363	17858	18389	18917	3.0%
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1889.2	1915.7	1944.2	1970.2	1996.8	2024.6	2055.5	2082.5	2108.3	2139.7	2170.8	2204.3	2236.9	1.5%

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

1/ Includes wood used for residential heating. See Table A18 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 electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.
4/ Fuel consumption includes consumption for combined heat and power, which produces electricity, both for sale to the grid and for own use, and other useful thermal energy.
5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.
6/ Represents natural gas used in the field gathering and processing plant machinery.
7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.
8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.
9/ Includes only kerosene type.
10/ Includes aviation gasoline and lubricants.
11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
12/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.
13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
14/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2000 and 2001 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: 2000 and 2001 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). 2000 and 2001 population and gross domestic product: Global Insight macroeconomic model CTL0802. 2000 and 2001 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2001, DOE/EIA-0573(2001) (Washington, DC, December 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 4. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
West North Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption													
Residential													
Distillate Fuel	0.024	0.026	0.026	0.027	0.027	0.027	0.027	0.027	0.027	0.026	0.026	0.026	0.026
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Liquefied Petroleum Gas	0.111	0.100	0.106	0.098	0.097	0.096	0.095	0.094	0.093	0.092	0.091	0.090	0.090
Petroleum Subtotal	0.136	0.128	0.133	0.126	0.125	0.124	0.123	0.122	0.121	0.120	0.118	0.117	0.117
Natural Gas	0.462	0.444	0.457	0.479	0.486	0.488	0.492	0.494	0.497	0.498	0.499	0.501	0.504
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
Renewable Energy 1/	0.030	0.029	0.030	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.031	0.032
Electricity	0.301	0.308	0.317	0.328	0.334	0.338	0.343	0.350	0.357	0.362	0.367	0.372	0.379
Delivered Energy	0.931	0.911	0.938	0.966	0.978	0.982	0.992	1.000	1.009	1.013	1.019	1.024	1.033
Electricity Related Losses	0.746	0.763	0.790	0.829	0.841	0.864	0.872	0.897	0.913	0.915	0.942	0.949	0.952
Total	1.676	1.674	1.727	1.794	1.820	1.847	1.863	1.897	1.922	1.928	1.961	1.972	1.985
Commercial													
Distillate Fuel	0.020	0.021	0.022	0.022	0.022	0.022	0.023	0.023	0.023	0.023	0.023	0.023	0.023
Residual Fuel	0.001	0.001	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
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
Liquefied Petroleum Gas	0.016	0.015	0.017	0.015	0.015	0.016	0.015	0.015	0.016	0.016	0.015	0.016	0.016
Motor Gasoline 2/	0.007	0.008	0.008	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Petroleum Subtotal	0.045	0.046	0.048	0.044	0.045	0.045	0.045	0.045	0.046	0.046	0.046	0.046	0.046
Natural Gas	0.341	0.343	0.344	0.358	0.367	0.371	0.375	0.377	0.378	0.378	0.379	0.380	0.382
Coal	0.013	0.013	0.013	0.013	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.014
Renewable Energy 3/	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
Electricity	0.305	0.318	0.327	0.330	0.338	0.345	0.351	0.358	0.364	0.370	0.375	0.381	0.388
Delivered Energy	0.708	0.726	0.737	0.751	0.767	0.779	0.789	0.798	0.806	0.812	0.818	0.825	0.835
Electricity Related Losses	0.755	0.788	0.815	0.834	0.852	0.882	0.892	0.918	0.930	0.935	0.962	0.971	0.977
Total	1.463	1.514	1.552	1.585	1.619	1.660	1.681	1.717	1.737	1.747	1.780	1.796	1.811
Industrial 4/													
Distillate Fuel	0.163	0.163	0.157	0.159	0.160	0.161	0.162	0.166	0.169	0.172	0.175	0.177	0.180
Liquefied Petroleum Gas	0.149	0.137	0.145	0.147	0.147	0.147	0.149	0.151	0.154	0.158	0.162	0.166	0.170
Petrochemical Feedstocks	0.025	0.022	0.023	0.024	0.024	0.024	0.025	0.025	0.026	0.027	0.028	0.028	0.029
Residual Fuel	0.007	0.007	0.006	0.006	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Motor Gasoline 2/	0.027	0.027	0.028	0.027	0.027	0.027	0.027	0.028	0.028	0.028	0.029	0.029	0.030
Other Petroleum 5/	0.254	0.255	0.261	0.253	0.270	0.269	0.270	0.275	0.278	0.281	0.283	0.284	0.285
Petroleum Subtotal	0.625	0.612	0.620	0.616	0.633	0.633	0.637	0.649	0.659	0.670	0.680	0.689	0.697
Natural Gas	0.400	0.359	0.378	0.384	0.408	0.411	0.420	0.426	0.430	0.437	0.449	0.460	0.468
Lease and Plant Fuel 6/	0.042	0.043	0.046	0.050	0.052	0.053	0.055	0.057	0.061	0.064	0.066	0.068	0.070
Natural Gas Subtotal	0.442	0.402	0.424	0.434	0.460	0.464	0.475	0.483	0.491	0.501	0.515	0.529	0.538
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
Steam Coal	0.235	0.228	0.215	0.219	0.220	0.220	0.220	0.222	0.224	0.226	0.228	0.229	0.230
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
Coal Subtotal	0.235	0.228	0.215	0.219	0.220	0.220	0.220	0.222	0.224	0.226	0.228	0.229	0.230
Renewable Energy 7/	0.123	0.119	0.118	0.123	0.127	0.129	0.132	0.135	0.139	0.143	0.148	0.153	0.157
Electricity	0.283	0.263	0.244	0.258	0.265	0.269	0.275	0.284	0.292	0.298	0.306	0.314	0.320
Delivered Energy	1.706	1.623	1.621	1.650	1.705	1.715	1.739	1.773	1.805	1.839	1.878	1.913	1.941
Electricity Related Losses	0.700	0.650	0.609	0.651	0.668	0.688	0.699	0.727	0.745	0.754	0.785	0.799	0.804

Table 4. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
West North Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total	2.407	2.273	2.230	2.300	2.373	2.404	2.438	2.500	2.550	2.593	2.664	2.712	2.746
Transportation													
Distillate Fuel 8/	0.543	0.553	0.550	0.568	0.586	0.599	0.616	0.634	0.652	0.671	0.691	0.711	0.726
Jet Fuel 9/	0.190	0.182	0.179	0.177	0.176	0.179	0.184	0.188	0.192	0.197	0.201	0.206	0.211
Motor Gasoline 2/	1.240	1.257	1.287	1.312	1.335	1.364	1.395	1.428	1.463	1.496	1.531	1.562	1.592
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
Liquefied Petroleum Gas	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004
Other Petroleum 10/	0.018	0.019	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.021	0.021	0.021
Petroleum Subtotal	1.993	2.013	2.038	2.079	2.119	2.164	2.217	2.273	2.330	2.388	2.448	2.504	2.554
Pipeline Fuel Natural Gas	0.098	0.093	0.079	0.088	0.091	0.093	0.095	0.097	0.100	0.104	0.107	0.110	0.112
Compressed Natural Gas	0.001	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.006
Renewable Energy (E85) 11/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007
Delivered Energy	2.096	2.112	2.123	2.173	2.218	2.265	2.321	2.379	2.440	2.502	2.567	2.625	2.679
Electricity Related Losses	0.012	0.013	0.013	0.013	0.014	0.014	0.014	0.015	0.015	0.015	0.016	0.016	0.016
Total	2.108	2.124	2.136	2.187	2.232	2.279	2.335	2.394	2.455	2.518	2.583	2.642	2.695
Delivered Energy Consumption, All Sectors													
Distillate Fuel	0.750	0.764	0.755	0.775	0.795	0.809	0.828	0.850	0.871	0.892	0.915	0.937	0.955
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
Jet Fuel 9/	0.190	0.182	0.179	0.177	0.176	0.179	0.184	0.188	0.192	0.197	0.201	0.206	0.211
Liquefied Petroleum Gas	0.278	0.254	0.269	0.262	0.262	0.261	0.262	0.264	0.266	0.269	0.272	0.276	0.279
Motor Gasoline 2/	1.274	1.292	1.324	1.346	1.368	1.396	1.428	1.462	1.497	1.531	1.566	1.597	1.627
Petrochemical Feedstocks	0.025	0.022	0.023	0.024	0.024	0.024	0.025	0.025	0.026	0.027	0.028	0.028	0.029
Residual Fuel	0.008	0.008	0.007	0.007	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Other Petroleum 12/	0.270	0.273	0.279	0.272	0.289	0.288	0.289	0.293	0.297	0.300	0.302	0.303	0.304
Petroleum Subtotal	2.799	2.799	2.838	2.865	2.922	2.965	3.023	3.090	3.156	3.224	3.292	3.356	3.413
Natural Gas	1.203	1.147	1.179	1.222	1.263	1.273	1.289	1.300	1.308	1.317	1.332	1.347	1.360
Lease and Plant Fuel 6/	0.042	0.043	0.046	0.050	0.052	0.053	0.055	0.057	0.061	0.064	0.066	0.068	0.070
Pipeline Natural Gas	0.098	0.093	0.079	0.088	0.091	0.093	0.095	0.097	0.100	0.104	0.107	0.110	0.112
Natural Gas Subtotal	1.343	1.283	1.305	1.359	1.406	1.418	1.439	1.454	1.470	1.485	1.506	1.525	1.542
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
Steam Coal	0.248	0.242	0.229	0.234	0.235	0.235	0.235	0.237	0.239	0.241	0.243	0.244	0.246
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
Coal Subtotal	0.248	0.242	0.229	0.234	0.235	0.235	0.235	0.237	0.239	0.241	0.243	0.244	0.246
Renewable Energy 13/	0.158	0.154	0.153	0.159	0.163	0.165	0.168	0.172	0.176	0.180	0.185	0.190	0.195
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity	0.893	0.894	0.893	0.921	0.942	0.957	0.976	0.997	1.020	1.037	1.055	1.073	1.093
Delivered Energy	5.442	5.371	5.418	5.539	5.668	5.741	5.841	5.950	6.061	6.167	6.281	6.388	6.488
Electricity Related Losses	2.213	2.214	2.227	2.327	2.376	2.449	2.477	2.558	2.604	2.619	2.706	2.735	2.750
Total	7.655	7.585	7.645	7.866	8.044	8.190	8.317	8.508	8.664	8.786	8.987	9.123	9.238
Electric Generators 14/													
Distillate Fuel	0.009	0.007	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.005
Residual Fuel	0.004	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001
Petroleum Subtotal	0.013	0.014	0.003	0.004	0.003	0.003	0.003	0.004	0.005	0.006	0.006	0.005	0.006
Natural Gas	0.088	0.081	0.089	0.095	0.083	0.062	0.066	0.053	0.072	0.076	0.075	0.077	0.082
Steam Coal	2.286	2.314	2.259	2.324	2.409	2.507	2.594	2.699	2.735	2.774	2.863	2.911	2.936
Nuclear Power	0.456	0.463	0.468	0.468	0.472	0.472	0.472	0.472	0.472	0.472	0.472	0.472	0.472
Renewable Energy/Other 15/	0.160	0.136	0.170	0.191	0.200	0.205	0.206	0.207	0.207	0.206	0.206	0.206	0.206
Electricity Imports	0.102	0.101	0.131	0.166	0.150	0.157	0.111	0.121	0.133	0.122	0.140	0.137	0.141
Total	3.106	3.108	3.120	3.248	3.318	3.406	3.452	3.555	3.623	3.656	3.761	3.808	3.842

Table 4. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
West North Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total Energy Consumption													
Distillate Fuel	0.759	0.772	0.758	0.779	0.798	0.812	0.831	0.853	0.875	0.897	0.921	0.942	0.960
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
Jet Fuel 9/	0.190	0.182	0.179	0.177	0.176	0.179	0.184	0.188	0.192	0.197	0.201	0.206	0.211
Liquefied Petroleum Gas	0.278	0.254	0.269	0.262	0.262	0.261	0.262	0.264	0.266	0.269	0.272	0.276	0.279
Motor Gasoline 2/	1.274	1.292	1.324	1.346	1.368	1.396	1.428	1.462	1.497	1.531	1.566	1.597	1.627
Petrochemical Feedstocks	0.025	0.022	0.023	0.024	0.024	0.024	0.025	0.025	0.026	0.027	0.028	0.028	0.029
Residual Fuel	0.013	0.015	0.007	0.007	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006
Other Petroleum 12/	0.270	0.273	0.279	0.272	0.289	0.288	0.289	0.293	0.297	0.300	0.302	0.303	0.304
Petroleum Subtotal	2.813	2.812	2.841	2.869	2.925	2.969	3.026	3.093	3.161	3.230	3.298	3.361	3.419
Natural Gas	1.292	1.228	1.268	1.317	1.347	1.335	1.355	1.354	1.380	1.393	1.407	1.424	1.442
Lease and Plant Fuel 6/	0.042	0.043	0.046	0.050	0.052	0.053	0.055	0.057	0.061	0.064	0.066	0.068	0.070
Pipeline Natural Gas	0.098	0.093	0.079	0.088	0.091	0.093	0.095	0.097	0.100	0.104	0.107	0.110	0.112
Natural Gas Subtotal	1.431	1.364	1.394	1.454	1.489	1.481	1.505	1.507	1.541	1.561	1.581	1.602	1.624
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
Steam Coal	2.535	2.556	2.489	2.558	2.643	2.742	2.829	2.936	2.975	3.015	3.105	3.155	3.182
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
Coal Subtotal	2.535	2.556	2.489	2.558	2.643	2.742	2.829	2.936	2.975	3.015	3.105	3.155	3.182
Nuclear Power	0.456	0.463	0.468	0.468	0.472	0.472	0.472	0.472	0.472	0.472	0.472	0.472	0.472
Renewable Energy 16/	0.318	0.290	0.324	0.351	0.364	0.371	0.374	0.378	0.382	0.387	0.392	0.397	0.401
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity Imports	0.102	0.101	0.131	0.166	0.150	0.157	0.111	0.121	0.133	0.122	0.140	0.137	0.141
Total	7.655	7.585	7.645	7.866	8.044	8.190	8.317	8.508	8.664	8.786	8.987	9.123	9.238
Energy Use & Related Statistics													
Delivered Energy Use	5.442	5.371	5.418	5.539	5.668	5.741	5.841	5.950	6.061	6.167	6.281	6.388	6.488
Total Energy Use	7.655	7.585	7.645	7.866	8.044	8.190	8.317	8.508	8.664	8.786	8.987	9.123	9.238
Population (millions)	18.951	19.079	19.207	19.336	19.455	19.563	19.663	19.763	19.862	19.960	20.057	20.155	20.253
US GDP (billion 1996 dollars)	9191	9215	9440	9743	10074	10361	10667	11017	11408	11810	12258	12671	13082
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1578.2	1558.6	1536.2	1567.9	1597.2	1623.7	1662.3	1699.7	1734.5	1765.8	1800.5	1832.6	1862.1

Table 4. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
West North Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption														
Residential														
Distillate Fuel	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.0%
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	-1.6%
Liquefied Petroleum Gas	0.089	0.088	0.088	0.087	0.087	0.086	0.086	0.086	0.085	0.085	0.085	0.085	0.084	-0.7%
Petroleum Subtotal	0.116	0.115	0.114	0.114	0.113	0.113	0.112	0.112	0.112	0.112	0.112	0.112	0.111	-0.6%
Natural Gas	0.505	0.508	0.510	0.514	0.516	0.520	0.525	0.530	0.534	0.539	0.544	0.549	0.550	0.9%
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/	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.4%
Electricity	0.383	0.388	0.394	0.400	0.404	0.409	0.415	0.422	0.426	0.432	0.437	0.444	0.450	1.6%
Delivered Energy	1.037	1.044	1.051	1.061	1.066	1.076	1.086	1.098	1.105	1.116	1.126	1.139	1.145	1.0%
Electricity Related Losses	0.950	0.964	0.974	0.980	0.981	0.989	0.987	0.999	0.998	1.002	1.005	1.013	1.053	1.4%
Total	1.987	2.008	2.025	2.042	2.047	2.065	2.073	2.097	2.103	2.118	2.131	2.152	2.198	1.1%
Commercial														
Distillate Fuel	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.022	0.022	0.2%
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	-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	-1.4%
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	0.2%
Motor Gasoline 2/	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	-1.1%
Petroleum Subtotal	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.0%
Natural Gas	0.385	0.387	0.390	0.394	0.398	0.402	0.405	0.408	0.411	0.413	0.413	0.411	0.409	0.7%
Coal	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.015	0.015	0.015	0.015	0.6%
Renewable Energy 3/	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%
Electricity	0.396	0.403	0.411	0.419	0.426	0.434	0.441	0.449	0.455	0.461	0.467	0.471	0.475	1.7%
Delivered Energy	0.845	0.856	0.867	0.878	0.889	0.901	0.913	0.923	0.932	0.940	0.945	0.948	0.950	1.1%
Electricity Related Losses	0.982	1.002	1.017	1.027	1.035	1.049	1.050	1.063	1.067	1.071	1.073	1.074	1.113	1.4%
Total	1.827	1.858	1.883	1.904	1.925	1.950	1.963	1.985	1.999	2.011	2.018	2.022	2.063	1.3%
Industrial 4/														
Distillate Fuel	0.181	0.182	0.184	0.185	0.187	0.189	0.191	0.193	0.195	0.197	0.199	0.201	0.204	0.9%
Liquefied Petroleum Gas	0.172	0.175	0.177	0.179	0.181	0.184	0.187	0.190	0.193	0.195	0.198	0.201	0.204	1.7%
Petrochemical Feedstocks	0.029	0.030	0.030	0.031	0.031	0.032	0.032	0.033	0.033	0.033	0.034	0.034	0.035	2.0%
Residual Fuel	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	-1.9%
Motor Gasoline 2/	0.030	0.030	0.030	0.030	0.031	0.031	0.031	0.032	0.032	0.032	0.033	0.033	0.033	0.9%
Other Petroleum 5/	0.285	0.288	0.287	0.288	0.290	0.290	0.292	0.293	0.294	0.295	0.295	0.297	0.298	0.6%
Petroleum Subtotal	0.702	0.709	0.713	0.718	0.724	0.730	0.738	0.745	0.751	0.757	0.763	0.771	0.778	1.0%
Natural Gas	0.473	0.477	0.482	0.484	0.489	0.495	0.502	0.507	0.514	0.523	0.529	0.538	0.544	1.7%
Lease and Plant Fuel 6/	0.071	0.073	0.074	0.075	0.075	0.076	0.076	0.076	0.074	0.074	0.076	0.076	0.076	2.5%
Natural Gas Subtotal	0.544	0.550	0.556	0.559	0.564	0.571	0.578	0.583	0.589	0.597	0.606	0.614	0.620	1.8%
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
Steam Coal	0.231	0.232	0.232	0.232	0.233	0.233	0.233	0.234	0.234	0.234	0.235	0.236	0.237	0.2%
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	0.232	0.232	0.232	0.233	0.233	0.233	0.234	0.234	0.234	0.235	0.236	0.237	0.2%
Renewable Energy 7/	0.161	0.165	0.168	0.171	0.175	0.178	0.182	0.185	0.189	0.193	0.196	0.201	0.204	2.3%
Electricity	0.324	0.329	0.333	0.336	0.340	0.344	0.350	0.354	0.358	0.363	0.368	0.374	0.379	1.5%
Delivered Energy	1.962	1.985	2.002	2.017	2.036	2.056	2.081	2.101	2.120	2.144	2.169	2.196	2.219	1.3%
Electricity Related Losses	0.805	0.819	0.824	0.825	0.827	0.833	0.832	0.838	0.838	0.842	0.846	0.853	0.889	1.3%

Table 4. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
West North Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total	2.768	2.804	2.827	2.842	2.862	2.888	2.913	2.938	2.957	2.986	3.015	3.049	3.108	1.3%
Transportation														
Distillate Fuel 8/	0.739	0.752	0.762	0.771	0.781	0.792	0.804	0.814	0.824	0.838	0.851	0.867	0.881	2.0%
Jet Fuel 9/	0.216	0.221	0.226	0.231	0.236	0.241	0.246	0.251	0.256	0.260	0.265	0.270	0.275	1.7%
Motor Gasoline 2/	1.620	1.645	1.668	1.690	1.710	1.731	1.754	1.772	1.790	1.809	1.831	1.855	1.876	1.7%
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	-0.2%
Liquefied Petroleum Gas	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	6.3%
Other Petroleum 10/	0.022	0.022	0.022	0.022	0.023	0.023	0.023	0.024	0.024	0.024	0.024	0.025	0.025	1.1%
Petroleum Subtotal	2.601	2.644	2.683	2.719	2.755	2.792	2.833	2.866	2.899	2.936	2.977	3.023	3.063	1.8%
Pipeline Fuel Natural Gas	0.115	0.116	0.117	0.119	0.121	0.123	0.125	0.128	0.133	0.137	0.141	0.142	0.142	1.8%
Compressed Natural Gas	0.006	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	10.9%
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	8.7%
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	0.007	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	2.4%
Delivered Energy	2.729	2.774	2.815	2.852	2.891	2.931	2.974	3.011	3.049	3.091	3.136	3.183	3.224	1.8%
Electricity Related Losses	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.019	0.019	0.020	0.020	0.020	0.021	2.2%
Total	2.745	2.791	2.832	2.870	2.909	2.949	2.993	3.029	3.068	3.110	3.156	3.203	3.245	1.8%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	0.969	0.983	0.994	1.005	1.017	1.029	1.043	1.055	1.068	1.083	1.099	1.117	1.133	1.7%
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	-0.9%
Jet Fuel 9/	0.216	0.221	0.226	0.231	0.236	0.241	0.246	0.251	0.256	0.260	0.265	0.270	0.275	1.7%
Liquefied Petroleum Gas	0.281	0.283	0.285	0.287	0.289	0.291	0.294	0.297	0.299	0.302	0.304	0.307	0.310	0.8%
Motor Gasoline 2/	1.656	1.681	1.705	1.727	1.747	1.768	1.792	1.810	1.828	1.847	1.869	1.894	1.916	1.7%
Petrochemical Feedstocks	0.029	0.030	0.030	0.031	0.031	0.032	0.032	0.033	0.033	0.033	0.034	0.034	0.035	2.0%
Residual Fuel	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	-1.8%
Other Petroleum 12/	0.305	0.308	0.308	0.309	0.311	0.311	0.314	0.315	0.316	0.317	0.318	0.320	0.322	0.7%
Petroleum Subtotal	3.464	3.514	3.556	3.597	3.639	3.681	3.729	3.769	3.807	3.851	3.898	3.951	3.999	1.5%
Natural Gas	1.369	1.379	1.389	1.400	1.410	1.424	1.440	1.454	1.468	1.483	1.495	1.507	1.512	1.2%
Lease and Plant Fuel 6/	0.071	0.073	0.074	0.075	0.075	0.076	0.076	0.076	0.074	0.074	0.076	0.076	0.076	2.5%
Pipeline Natural Gas	0.115	0.116	0.117	0.119	0.121	0.123	0.125	0.128	0.133	0.137	0.141	0.142	0.142	1.8%
Natural Gas Subtotal	1.555	1.568	1.581	1.593	1.606	1.623	1.642	1.658	1.675	1.694	1.713	1.725	1.730	1.3%
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
Steam Coal	0.246	0.247	0.248	0.248	0.248	0.249	0.249	0.250	0.250	0.250	0.251	0.252	0.253	0.2%
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	0.246	0.247	0.248	0.248	0.248	0.249	0.249	0.250	0.250	0.250	0.251	0.252	0.253	0.2%
Renewable Energy 13/	0.198	0.202	0.205	0.208	0.212	0.215	0.219	0.223	0.226	0.230	0.234	0.238	0.242	1.9%
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	1.109	1.127	1.145	1.162	1.178	1.195	1.214	1.232	1.247	1.264	1.281	1.299	1.314	1.6%
Delivered Energy	6.573	6.658	6.734	6.808	6.883	6.963	7.053	7.132	7.205	7.291	7.377	7.466	7.538	1.4%
Electricity Related Losses	2.753	2.803	2.832	2.849	2.860	2.888	2.888	2.918	2.922	2.934	2.944	2.960	3.077	1.4%
Total	9.326	9.461	9.566	9.657	9.743	9.851	9.941	10.051	10.127	10.225	10.321	10.426	10.614	1.4%
Electric Generators 14/														
Distillate Fuel	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.005	0.006	0.005	0.005	-1.3%
Residual Fuel	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	-11.0%
Petroleum Subtotal	0.006	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	-3.6%
Natural Gas	0.092	0.084	0.080	0.083	0.085	0.087	0.087	0.092	0.099	0.102	0.100	0.095	0.075	-0.3%
Steam Coal	2.943	3.020	3.063	3.104	3.142	3.202	3.239	3.267	3.295	3.337	3.374	3.416	3.573	1.8%
Nuclear Power	0.484	0.493	0.494	0.494	0.495	0.496	0.496	0.497	0.497	0.497	0.497	0.497	0.497	0.3%
Renewable Energy/Other 15/	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	1.7%
Electricity Imports	0.131	0.121	0.129	0.118	0.105	0.087	0.069	0.083	0.066	0.051	0.042	0.039	0.033	-4.5%
Total	3.863	3.930	3.976	4.011	4.038	4.083	4.102	4.150	4.169	4.198	4.225	4.258	4.390	1.4%

Table 4. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
West North Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total Energy Consumption														
Distillate Fuel	0.974	0.987	0.999	1.009	1.021	1.034	1.048	1.061	1.073	1.089	1.105	1.123	1.138	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	-0.9%
Jet Fuel 9/	0.216	0.221	0.226	0.231	0.236	0.241	0.246	0.251	0.256	0.260	0.265	0.270	0.275	1.7%
Liquefied Petroleum Gas	0.281	0.283	0.285	0.287	0.289	0.291	0.294	0.297	0.299	0.302	0.304	0.307	0.310	0.8%
Motor Gasoline 2/	1.656	1.681	1.705	1.727	1.747	1.768	1.792	1.810	1.828	1.847	1.869	1.894	1.916	1.7%
Petrochemical Feedstocks	0.029	0.030	0.030	0.031	0.031	0.032	0.032	0.033	0.033	0.033	0.034	0.034	0.035	2.0%
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	-3.8%
Other Petroleum 12/	0.305	0.308	0.308	0.309	0.311	0.311	0.314	0.315	0.316	0.317	0.318	0.320	0.322	0.7%
Petroleum Subtotal	3.469	3.519	3.561	3.602	3.644	3.686	3.735	3.775	3.814	3.857	3.904	3.957	4.004	1.5%
Natural Gas	1.461	1.463	1.469	1.482	1.495	1.511	1.527	1.546	1.567	1.585	1.596	1.602	1.588	1.1%
Lease and Plant Fuel 6/	0.071	0.073	0.074	0.075	0.075	0.076	0.076	0.076	0.074	0.074	0.076	0.076	0.076	2.5%
Pipeline Natural Gas	0.115	0.116	0.117	0.119	0.121	0.123	0.125	0.128	0.133	0.137	0.141	0.142	0.142	1.8%
Natural Gas Subtotal	1.647	1.652	1.660	1.676	1.691	1.710	1.729	1.750	1.774	1.796	1.813	1.820	1.806	1.2%
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
Steam Coal	3.190	3.267	3.311	3.353	3.391	3.451	3.488	3.517	3.545	3.588	3.625	3.668	3.826	1.7%
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	3.190	3.267	3.311	3.353	3.391	3.451	3.488	3.517	3.545	3.588	3.625	3.668	3.826	1.7%
Nuclear Power	0.484	0.493	0.494	0.494	0.495	0.496	0.496	0.497	0.497	0.497	0.497	0.497	0.497	0.3%
Renewable Energy 16/	0.404	0.408	0.412	0.415	0.418	0.421	0.425	0.429	0.432	0.436	0.440	0.444	0.447	1.8%
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 Imports	0.131	0.121	0.129	0.118	0.105	0.087	0.069	0.083	0.066	0.051	0.042	0.039	0.033	-4.5%
Total	9.326	9.461	9.566	9.657	9.743	9.851	9.941	10.051	10.127	10.225	10.321	10.426	10.614	1.4%
Energy Use & Related Statistics														
Delivered Energy Use	6.573	6.658	6.734	6.808	6.883	6.963	7.053	7.132	7.205	7.291	7.377	7.466	7.538	1.4%
Total Energy Use	9.326	9.461	9.566	9.657	9.743	9.851	9.941	10.051	10.127	10.225	10.321	10.426	10.614	1.4%
Population (millions)	20.351	20.449	20.546	20.643	20.738	20.833	20.925	21.017	21.109	21.200	21.292	21.383	21.476	0.5%
US GDP (billion 1996 dollars)	13480	13893	14288	14681	15101	15540	16013	16450	16888	17363	17858	18389	18917	3.0%
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1889.2	1915.7	1944.2	1970.2	1996.8	2024.6	2055.5	2082.5	2108.3	2139.7	2170.8	2204.3	2236.9	1.5%

Table 4. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
West North Central

1/ Includes wood used for residential heating. See Table A18 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 electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.
4/ Fuel consumption includes consumption for combined heat and power, which produces electricity, both for sale to the grid and for own use, and other useful thermal energy.
5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.
6/ Represents natural gas used in the field gathering and processing plant machinery.
7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.
8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.
9/ Includes only kerosene type.
10/ Includes aviation gasoline and lubricants.
11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
12/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.
13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
14/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2000 and 2001 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: 2000 and 2001 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). 2000 and 2001 population and gross domestic product: Global Insight macroeconomic model CTL0802. 2000 and 2001 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2001, DOE/EIA-0573(2001) (Washington, DC, December 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 5. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
South Atlantic

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Energy Consumption															
Residential															
Distillate Fuel	0.080	0.081	0.077	0.083	0.082	0.082	0.082	0.082	0.081	0.080	0.079	0.078	0.076	0.075	0.073
Kerosene	0.036	0.037	0.028	0.031	0.031	0.031	0.031	0.031	0.031	0.030	0.030	0.029	0.029	0.028	0.027
Liquefied Petroleum Gas	0.099	0.089	0.094	0.088	0.087	0.086	0.086	0.086	0.086	0.086	0.086	0.086	0.086	0.086	0.086
Petroleum Subtotal	0.214	0.207	0.199	0.202	0.200	0.199	0.199	0.198	0.198	0.196	0.194	0.193	0.191	0.189	0.186
Natural Gas	0.481	0.460	0.475	0.510	0.528	0.539	0.554	0.567	0.581	0.591	0.602	0.614	0.626	0.636	0.647
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/	0.072	0.064	0.064	0.069	0.069	0.069	0.069	0.069	0.070	0.070	0.070	0.070	0.070	0.070	0.070
Electricity	0.991	0.998	1.029	1.074	1.100	1.121	1.144	1.170	1.199	1.221	1.245	1.266	1.290	1.307	1.328
Delivered Energy	1.759	1.730	1.768	1.856	1.899	1.929	1.967	2.006	2.049	2.078	2.112	2.143	2.179	2.203	2.233
Electricity Related Losses	2.147	2.095	1.962	1.974	2.014	2.053	2.092	2.113	2.140	2.129	2.144	2.137	2.143	2.164	2.195
Total	3.906	3.825	3.730	3.829	3.913	3.982	4.059	4.119	4.189	4.207	4.257	4.280	4.322	4.367	4.428
Commercial															
Distillate Fuel	0.068	0.066	0.067	0.068	0.070	0.072	0.074	0.075	0.076	0.077	0.079	0.079	0.081	0.082	0.082
Residual Fuel	0.004	0.004	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Kerosene	0.007	0.008	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	0.017	0.016	0.016	0.016	0.015	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.017	0.017	0.017
Motor Gasoline 2/	0.007	0.008	0.008	0.006	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
Petroleum Subtotal	0.103	0.101	0.098	0.096	0.098	0.101	0.103	0.105	0.106	0.107	0.109	0.110	0.111	0.113	0.114
Natural Gas	0.408	0.406	0.406	0.429	0.445	0.456	0.468	0.478	0.488	0.498	0.507	0.518	0.529	0.540	0.553
Coal	0.014	0.015	0.014	0.014	0.014	0.015	0.015	0.015	0.015	0.016	0.016	0.016	0.016	0.017	0.017
Renewable Energy 3/	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021
Electricity	0.777	0.805	0.835	0.853	0.879	0.904	0.930	0.957	0.986	1.015	1.045	1.077	1.110	1.143	1.177
Delivered Energy	1.323	1.347	1.374	1.413	1.458	1.497	1.536	1.576	1.616	1.657	1.698	1.741	1.787	1.833	1.882
Electricity Related Losses	1.682	1.689	1.593	1.568	1.609	1.655	1.700	1.729	1.760	1.770	1.801	1.818	1.843	1.893	1.947
Total	3.005	3.037	2.967	2.981	3.067	3.152	3.236	3.305	3.376	3.427	3.499	3.560	3.630	3.726	3.828
Industrial 4/															
Distillate Fuel	0.175	0.178	0.168	0.170	0.172	0.174	0.177	0.181	0.185	0.188	0.192	0.195	0.198	0.200	0.201
Liquefied Petroleum Gas	0.041	0.037	0.039	0.040	0.040	0.040	0.040	0.041	0.041	0.043	0.044	0.045	0.047	0.047	0.048
Petrochemical Feedstocks	0.144	0.124	0.132	0.136	0.138	0.138	0.140	0.143	0.147	0.151	0.156	0.161	0.165	0.168	0.170
Residual Fuel	0.100	0.092	0.074	0.080	0.080	0.081	0.083	0.085	0.089	0.090	0.092	0.093	0.094	0.095	0.096
Motor Gasoline 2/	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.023	0.023	0.023	0.024	0.024	0.024	0.024	0.025
Other Petroleum 5/	0.322	0.340	0.362	0.341	0.337	0.330	0.326	0.330	0.326	0.333	0.341	0.349	0.355	0.359	0.365
Petroleum Subtotal	0.803	0.793	0.797	0.790	0.789	0.785	0.788	0.802	0.811	0.828	0.848	0.866	0.883	0.893	0.905
Natural Gas	0.681	0.625	0.668	0.672	0.687	0.689	0.698	0.708	0.716	0.728	0.743	0.758	0.769	0.778	0.788
Lease and Plant Fuel 6/	0.014	0.014	0.014	0.014	0.013	0.014	0.015	0.016	0.017	0.017	0.018	0.019	0.019	0.020	0.020
Natural Gas Subtotal	0.695	0.639	0.682	0.686	0.701	0.703	0.714	0.724	0.732	0.746	0.761	0.777	0.789	0.798	0.808
Metallurgical Coal	0.073	0.066	0.059	0.062	0.062	0.062	0.062	0.062	0.063	0.062	0.061	0.059	0.058	0.057	0.056
Steam Coal	0.287	0.280	0.268	0.272	0.274	0.275	0.275	0.277	0.281	0.282	0.284	0.286	0.288	0.289	0.291
Net Coal Coke Imports	0.006	0.002	0.002	0.005	0.006	0.007	0.008	0.010	0.011	0.013	0.015	0.017	0.018	0.019	0.020
Coal Subtotal	0.365	0.348	0.329	0.339	0.342	0.344	0.346	0.349	0.355	0.357	0.360	0.362	0.364	0.366	0.367
Renewable Energy 7/	0.356	0.348	0.345	0.354	0.361	0.365	0.370	0.377	0.383	0.392	0.403	0.413	0.422	0.430	0.438
Electricity	0.567	0.528	0.491	0.516	0.528	0.534	0.544	0.558	0.575	0.588	0.605	0.621	0.635	0.646	0.658
Delivered Energy	2.787	2.656	2.644	2.685	2.720	2.731	2.761	2.811	2.856	2.910	2.977	3.039	3.093	3.133	3.176
Electricity Related Losses	1.229	1.109	0.937	0.949	0.966	0.977	0.995	1.009	1.026	1.025	1.043	1.048	1.055	1.070	1.088

Table 5. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
South Atlantic

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Total	4.016	3.764	3.581	3.634	3.686	3.708	3.756	3.819	3.882	3.935	4.019	4.087	4.149	4.204	4.264
Transportation															
Distillate Fuel 8/	0.932	0.949	0.944	0.985	1.024	1.056	1.096	1.140	1.182	1.228	1.278	1.324	1.366	1.403	1.440
Jet Fuel 9/	0.388	0.371	0.364	0.367	0.368	0.375	0.386	0.396	0.408	0.421	0.432	0.444	0.457	0.470	0.484
Motor Gasoline 2/	3.180	3.223	3.301	3.358	3.420	3.504	3.599	3.703	3.812	3.922	4.037	4.146	4.252	4.357	4.454
Residual Fuel	0.107	0.101	0.095	0.099	0.100	0.100	0.101	0.101	0.102	0.103	0.103	0.104	0.105	0.105	0.106
Liquefied Petroleum Gas	0.002	0.003	0.004	0.005	0.006	0.007	0.007	0.008	0.009	0.009	0.010	0.010	0.011	0.012	0.012
Other Petroleum 10/	0.039	0.042	0.043	0.044	0.044	0.044	0.044	0.045	0.046	0.046	0.047	0.048	0.049	0.051	0.052
Petroleum Subtotal	4.648	4.689	4.752	4.857	4.962	5.086	5.234	5.393	5.559	5.730	5.908	6.077	6.239	6.398	6.548
Pipeline Fuel Natural Gas	0.069	0.066	0.053	0.056	0.056	0.056	0.057	0.057	0.059	0.059	0.061	0.061	0.063	0.063	0.064
Compressed Natural Gas	0.001	0.002	0.003	0.004	0.005	0.006	0.006	0.007	0.008	0.009	0.010	0.011	0.012	0.012	0.013
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	0.013	0.014	0.014	0.014	0.015	0.015	0.016	0.016	0.017	0.017	0.018	0.018	0.019	0.019	0.020
Delivered Energy	4.732	4.770	4.821	4.932	5.038	5.164	5.314	5.474	5.642	5.815	5.997	6.168	6.333	6.493	6.646
Electricity Related Losses	0.029	0.028	0.027	0.026	0.027	0.028	0.029	0.029	0.030	0.030	0.030	0.031	0.031	0.032	0.033
Total	4.760	4.799	4.848	4.958	5.065	5.192	5.342	5.503	5.672	5.845	6.027	6.199	6.364	6.525	6.679
Delivered Energy Consumption, All Sectors															
Distillate Fuel	1.255	1.274	1.256	1.306	1.348	1.384	1.429	1.477	1.524	1.574	1.627	1.676	1.721	1.759	1.797
Kerosene	0.046	0.049	0.037	0.041	0.041	0.041	0.040	0.041	0.041	0.041	0.040	0.040	0.039	0.039	0.038
Jet Fuel 9/	0.388	0.371	0.364	0.367	0.368	0.375	0.386	0.396	0.408	0.421	0.432	0.444	0.457	0.470	0.484
Liquefied Petroleum Gas	0.159	0.145	0.154	0.148	0.148	0.148	0.149	0.151	0.152	0.154	0.156	0.158	0.160	0.161	0.163
Motor Gasoline 2/	3.209	3.252	3.331	3.385	3.448	3.531	3.627	3.731	3.840	3.951	4.066	4.175	4.282	4.387	4.484
Petrochemical Feedstocks	0.144	0.124	0.132	0.136	0.138	0.138	0.140	0.143	0.147	0.151	0.156	0.161	0.165	0.168	0.170
Residual Fuel	0.211	0.197	0.170	0.181	0.181	0.183	0.185	0.188	0.193	0.195	0.197	0.199	0.201	0.203	0.204
Other Petroleum 12/	0.357	0.377	0.402	0.381	0.377	0.370	0.367	0.371	0.367	0.375	0.384	0.393	0.401	0.406	0.412
Petroleum Subtotal	5.768	5.790	5.846	5.945	6.049	6.171	6.324	6.498	6.673	6.860	7.058	7.246	7.425	7.593	7.753
Natural Gas	1.571	1.492	1.551	1.615	1.665	1.690	1.727	1.761	1.792	1.826	1.862	1.900	1.936	1.966	2.001
Lease and Plant Fuel 6/	0.014	0.014	0.014	0.014	0.013	0.014	0.015	0.016	0.017	0.017	0.018	0.019	0.019	0.020	0.020
Pipeline Natural Gas	0.069	0.066	0.053	0.056	0.056	0.056	0.057	0.057	0.059	0.059	0.061	0.061	0.063	0.063	0.064
Natural Gas Subtotal	1.654	1.573	1.618	1.685	1.735	1.761	1.799	1.834	1.868	1.903	1.941	1.980	2.018	2.049	2.085
Metallurgical Coal	0.073	0.066	0.059	0.062	0.062	0.062	0.062	0.062	0.063	0.062	0.061	0.059	0.058	0.057	0.056
Steam Coal	0.302	0.295	0.282	0.287	0.290	0.291	0.291	0.294	0.297	0.299	0.302	0.303	0.306	0.307	0.309
Net Coal Coke Imports	0.006	0.002	0.002	0.005	0.006	0.007	0.008	0.010	0.011	0.013	0.015	0.017	0.018	0.019	0.020
Coal Subtotal	0.381	0.363	0.344	0.354	0.358	0.360	0.362	0.366	0.371	0.374	0.377	0.380	0.382	0.384	0.385
Renewable Energy 13/	0.449	0.433	0.430	0.443	0.451	0.455	0.460	0.467	0.474	0.483	0.494	0.505	0.514	0.522	0.530
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	2.348	2.344	2.369	2.457	2.522	2.574	2.633	2.701	2.777	2.841	2.913	2.981	3.053	3.116	3.183
Delivered Energy	10.600	10.503	10.607	10.885	11.115	11.320	11.579	11.867	12.163	12.461	12.784	13.091	13.392	13.662	13.937
Electricity Related Losses	5.087	4.922	4.518	4.517	4.617	4.713	4.815	4.881	4.956	4.953	5.019	5.034	5.073	5.160	5.263
Total	15.687	15.425	15.125	15.403	15.732	16.033	16.393	16.747	17.118	17.414	17.802	18.125	18.465	18.822	19.200
Electric Generators 14/															
Distillate Fuel	0.028	0.052	0.009	0.012	0.015	0.020	0.022	0.023	0.027	0.027	0.026	0.025	0.025	0.026	0.025
Residual Fuel	0.411	0.439	0.052	0.041	0.031	0.034	0.036	0.036	0.047	0.048	0.054	0.048	0.061	0.065	0.061
Petroleum Subtotal	0.439	0.491	0.061	0.052	0.046	0.054	0.058	0.059	0.074	0.076	0.081	0.073	0.087	0.091	0.086
Natural Gas	0.521	0.517	0.571	0.554	0.606	0.612	0.636	0.623	0.654	0.639	0.626	0.599	0.641	0.667	0.717
Steam Coal	4.278	4.049	4.007	4.072	4.166	4.281	4.406	4.551	4.651	4.718	4.845	4.961	5.010	5.109	5.209
Nuclear Power	1.978	2.017	2.028	2.039	2.055	2.070	2.075	2.077	2.078	2.080	2.097	2.099	2.101	2.118	2.139
Renewable Energy/Other 15/	0.220	0.191	0.221	0.257	0.266	0.270	0.274	0.273	0.275	0.282	0.283	0.283	0.288	0.290	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	7.435	7.266	6.888	6.975	7.139	7.286	7.448	7.582	7.732	7.795	7.932	8.015	8.126	8.275	8.446

Table 5. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
South Atlantic

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Total Energy Consumption															
Distillate Fuel	1.282	1.326	1.265	1.317	1.363	1.404	1.451	1.500	1.551	1.601	1.653	1.701	1.746	1.785	1.822
Kerosene	0.046	0.049	0.037	0.041	0.041	0.041	0.040	0.041	0.041	0.041	0.040	0.040	0.039	0.039	0.038
Jet Fuel 9/	0.388	0.371	0.364	0.367	0.368	0.375	0.386	0.396	0.408	0.421	0.432	0.444	0.457	0.470	0.484
Liquefied Petroleum Gas	0.159	0.145	0.154	0.148	0.148	0.148	0.149	0.151	0.152	0.154	0.156	0.158	0.160	0.161	0.163
Motor Gasoline 2/	3.209	3.252	3.331	3.385	3.448	3.531	3.627	3.731	3.840	3.951	4.066	4.175	4.282	4.387	4.484
Petrochemical Feedstocks	0.144	0.124	0.132	0.136	0.138	0.138	0.140	0.143	0.147	0.151	0.156	0.161	0.165	0.168	0.170
Residual Fuel	0.622	0.636	0.223	0.221	0.212	0.217	0.221	0.225	0.239	0.243	0.251	0.247	0.263	0.268	0.265
Other Petroleum 12/	0.357	0.377	0.402	0.381	0.377	0.370	0.367	0.371	0.367	0.375	0.384	0.393	0.401	0.406	0.412
Petroleum Subtotal	6.207	6.281	5.907	5.997	6.095	6.224	6.382	6.557	6.747	6.936	7.139	7.319	7.512	7.684	7.839
Natural Gas	2.092	2.010	2.122	2.170	2.271	2.302	2.363	2.383	2.446	2.465	2.488	2.499	2.577	2.634	2.718
Lease and Plant Fuel 6/	0.014	0.014	0.014	0.014	0.013	0.014	0.015	0.016	0.017	0.017	0.018	0.019	0.019	0.020	0.020
Pipeline Natural Gas	0.069	0.066	0.053	0.056	0.056	0.056	0.057	0.057	0.059	0.059	0.061	0.061	0.063	0.063	0.064
Natural Gas Subtotal	2.175	2.090	2.189	2.239	2.341	2.372	2.435	2.457	2.522	2.541	2.567	2.579	2.659	2.716	2.802
Metallurgical Coal	0.073	0.066	0.059	0.062	0.062	0.062	0.062	0.062	0.063	0.062	0.061	0.059	0.058	0.057	0.056
Steam Coal	4.580	4.344	4.289	4.360	4.456	4.572	4.697	4.845	4.948	5.017	5.146	5.265	5.316	5.417	5.518
Net Coal Coke Imports	0.006	0.002	0.002	0.005	0.006	0.007	0.008	0.010	0.011	0.013	0.015	0.017	0.018	0.019	0.020
Coal Subtotal	4.659	4.413	4.351	4.427	4.524	4.641	4.768	4.917	5.022	5.091	5.222	5.341	5.392	5.493	5.594
Nuclear Power	1.978	2.017	2.028	2.039	2.055	2.070	2.075	2.077	2.078	2.080	2.097	2.099	2.101	2.118	2.139
Renewable Energy 16/	0.669	0.624	0.651	0.700	0.716	0.726	0.734	0.739	0.749	0.765	0.777	0.788	0.801	0.812	0.825
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	15.687	15.425	15.125	15.403	15.732	16.033	16.393	16.747	17.118	17.414	17.802	18.125	18.465	18.822	19.200
Energy Use & Related Statistics															
Delivered Energy Use	10.600	10.503	10.607	10.885	11.115	11.320	11.579	11.867	12.163	12.461	12.784	13.091	13.392	13.662	13.937
Total Energy Use	15.687	15.425	15.125	15.403	15.732	16.033	16.393	16.747	17.118	17.414	17.802	18.125	18.465	18.822	19.200
Population (millions)	50.338	50.965	51.592	52.219	52.854	53.498	54.144	54.794	55.453	56.121	56.793	57.471	58.159	58.856	59.558
US GDP (billion 1996 dollars)	9191	9215	9440	9743	10074	10361	10667	11017	11408	11810	12258	12671	13082	13480	13893
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1578.2	1558.6	1536.2	1567.9	1597.2	1623.7	1662.3	1699.7	1734.5	1765.8	1800.5	1832.6	1862.1	1889.2	1915.7

Table 5. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
South Atlantic

Sector and Source	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption												
Residential												
Distillate Fuel	0.072	0.070	0.069	0.067	0.066	0.064	0.062	0.061	0.060	0.059	0.057	-1.4%
Kerosene	0.027	0.026	0.025	0.024	0.023	0.022	0.022	0.021	0.020	0.019	0.018	-3.0%
Liquefied Petroleum Gas	0.086	0.087	0.087	0.087	0.087	0.088	0.088	0.088	0.089	0.089	0.089	0.0%
Petroleum Subtotal	0.184	0.183	0.181	0.178	0.176	0.174	0.172	0.170	0.168	0.167	0.165	-0.9%
Natural Gas	0.659	0.672	0.680	0.692	0.703	0.716	0.725	0.737	0.749	0.764	0.775	2.2%
Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.4%
Renewable Energy 1/	0.070	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.5%
Electricity	1.349	1.373	1.390	1.411	1.432	1.457	1.474	1.496	1.518	1.547	1.568	1.9%
Delivered Energy	2.264	2.300	2.323	2.353	2.383	2.420	2.443	2.474	2.507	2.550	2.581	1.7%
Electricity Related Losses	2.278	2.327	2.370	2.422	2.454	2.492	2.495	2.559	2.604	2.667	2.730	1.1%
Total	4.543	4.627	4.693	4.775	4.837	4.911	4.938	5.033	5.112	5.217	5.311	1.4%
Commercial												
Distillate Fuel	0.083	0.084	0.085	0.086	0.087	0.087	0.088	0.089	0.090	0.091	0.092	1.4%
Residual Fuel	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	-1.0%
Kerosene	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	-0.4%
Liquefied Petroleum Gas	0.017	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.018	0.018	0.5%
Motor Gasoline 2/	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	-0.8%
Petroleum Subtotal	0.115	0.116	0.118	0.119	0.119	0.120	0.121	0.122	0.124	0.125	0.126	0.9%
Natural Gas	0.566	0.580	0.593	0.608	0.623	0.637	0.650	0.664	0.678	0.693	0.709	2.3%
Coal	0.017	0.017	0.018	0.018	0.018	0.018	0.019	0.019	0.019	0.019	0.019	1.2%
Renewable Energy 3/	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.0%
Electricity	1.211	1.246	1.282	1.320	1.358	1.397	1.436	1.475	1.515	1.555	1.598	2.9%
Delivered Energy	1.930	1.980	2.031	2.085	2.139	2.193	2.247	2.301	2.356	2.413	2.473	2.6%
Electricity Related Losses	2.045	2.112	2.186	2.266	2.327	2.389	2.431	2.524	2.598	2.682	2.782	2.1%
Total	3.976	4.092	4.217	4.351	4.466	4.582	4.678	4.826	4.954	5.095	5.254	2.3%
Industrial 4/												
Distillate Fuel	0.203	0.205	0.207	0.209	0.212	0.215	0.218	0.220	0.223	0.226	0.229	1.1%
Liquefied Petroleum Gas	0.049	0.049	0.050	0.051	0.052	0.052	0.053	0.054	0.055	0.056	0.057	1.8%
Petrochemical Feedstocks	0.172	0.174	0.177	0.180	0.183	0.185	0.188	0.191	0.194	0.197	0.200	2.0%
Residual Fuel	0.096	0.096	0.097	0.097	0.098	0.100	0.101	0.102	0.102	0.103	0.103	0.5%
Motor Gasoline 2/	0.025	0.025	0.025	0.026	0.026	0.026	0.027	0.027	0.027	0.028	0.028	1.0%
Other Petroleum 5/	0.368	0.371	0.374	0.378	0.384	0.389	0.394	0.399	0.403	0.409	0.414	0.8%
Petroleum Subtotal	0.913	0.921	0.931	0.940	0.954	0.968	0.980	0.993	1.005	1.018	1.030	1.1%
Natural Gas	0.796	0.803	0.813	0.826	0.840	0.850	0.862	0.877	0.889	0.906	0.919	1.6%
Lease and Plant Fuel 6/	0.020	0.021	0.021	0.020	0.020	0.019	0.019	0.018	0.018	0.017	0.017	0.7%
Natural Gas Subtotal	0.817	0.824	0.834	0.846	0.860	0.870	0.881	0.895	0.907	0.923	0.936	1.6%
Metallurgical Coal	0.055	0.054	0.053	0.052	0.051	0.050	0.049	0.049	0.048	0.047	0.046	-1.5%
Steam Coal	0.291	0.292	0.293	0.294	0.295	0.296	0.297	0.298	0.300	0.300	0.301	0.3%
Net Coal Coke Imports	0.021	0.021	0.022	0.023	0.023	0.024	0.024	0.025	0.026	0.027	0.028	10.6%
Coal Subtotal	0.367	0.367	0.368	0.368	0.370	0.370	0.371	0.372	0.373	0.374	0.374	0.3%
Renewable Energy 7/	0.445	0.451	0.458	0.466	0.475	0.482	0.489	0.498	0.507	0.516	0.525	1.7%
Electricity	0.667	0.675	0.685	0.695	0.708	0.718	0.728	0.741	0.753	0.766	0.777	1.6%
Delivered Energy	3.209	3.238	3.275	3.317	3.366	3.408	3.450	3.499	3.545	3.597	3.643	1.3%
Electricity Related Losses	1.126	1.144	1.167	1.194	1.213	1.228	1.233	1.268	1.292	1.321	1.353	0.8%

Table 5. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
South Atlantic

Sector and Source	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total	4.335	4.382	4.443	4.510	4.579	4.636	4.683	4.767	4.837	4.918	4.997	1.2%
Transportation												
Distillate Fuel 8/	1.472	1.501	1.534	1.567	1.604	1.638	1.671	1.711	1.751	1.795	1.835	2.8%
Jet Fuel 9/	0.498	0.512	0.526	0.541	0.555	0.569	0.583	0.597	0.611	0.625	0.640	2.3%
Motor Gasoline 2/	4.547	4.638	4.725	4.816	4.914	4.998	5.081	5.169	5.266	5.371	5.468	2.2%
Residual Fuel	0.107	0.108	0.109	0.110	0.110	0.111	0.112	0.113	0.114	0.115	0.116	0.6%
Liquefied Petroleum Gas	0.013	0.013	0.014	0.014	0.015	0.015	0.015	0.016	0.016	0.017	0.018	7.7%
Other Petroleum 10/	0.053	0.054	0.055	0.056	0.057	0.058	0.059	0.060	0.060	0.062	0.063	1.7%
Petroleum Subtotal	6.690	6.825	6.962	7.104	7.255	7.390	7.521	7.665	7.819	7.985	8.140	2.3%
Pipeline Fuel Natural Gas	0.065	0.065	0.064	0.064	0.065	0.065	0.066	0.066	0.066	0.067	0.067	0.0%
Compressed Natural Gas	0.014	0.014	0.015	0.016	0.016	0.017	0.017	0.017	0.018	0.018	0.019	10.1%
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	9.2%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	0.021	0.021	0.022	0.023	0.023	0.024	0.025	0.026	0.027	0.028	0.029	3.1%
Delivered Energy	6.789	6.926	7.064	7.208	7.361	7.497	7.630	7.775	7.931	8.099	8.255	2.3%
Electricity Related Losses	0.035	0.036	0.037	0.039	0.040	0.041	0.042	0.044	0.046	0.048	0.050	2.3%
Total	6.824	6.962	7.102	7.247	7.401	7.538	7.673	7.820	7.977	8.146	8.305	2.3%
Delivered Energy Consumption, All Sectors												
Distillate Fuel	1.830	1.861	1.895	1.930	1.968	2.005	2.040	2.081	2.123	2.170	2.213	2.3%
Kerosene	0.037	0.037	0.036	0.035	0.034	0.033	0.032	0.031	0.031	0.030	0.029	-2.2%
Jet Fuel 9/	0.498	0.512	0.526	0.541	0.555	0.569	0.583	0.597	0.611	0.625	0.640	2.3%
Liquefied Petroleum Gas	0.164	0.166	0.167	0.169	0.171	0.173	0.174	0.176	0.178	0.180	0.182	0.9%
Motor Gasoline 2/	4.578	4.669	4.756	4.848	4.946	5.030	5.113	5.202	5.299	5.404	5.502	2.2%
Petrochemical Feedstocks	0.172	0.174	0.177	0.180	0.183	0.185	0.188	0.191	0.194	0.197	0.200	2.0%
Residual Fuel	0.205	0.206	0.208	0.209	0.211	0.214	0.215	0.217	0.219	0.220	0.222	0.5%
Other Petroleum 12/	0.417	0.421	0.425	0.430	0.437	0.443	0.449	0.455	0.460	0.466	0.473	0.9%
Petroleum Subtotal	7.902	8.046	8.191	8.342	8.505	8.652	8.794	8.950	9.115	9.294	9.460	2.1%
Natural Gas	2.035	2.068	2.102	2.141	2.183	2.220	2.255	2.295	2.334	2.381	2.423	2.0%
Lease and Plant Fuel 6/	0.020	0.021	0.021	0.020	0.020	0.019	0.019	0.018	0.018	0.017	0.017	0.7%
Pipeline Natural Gas	0.065	0.065	0.064	0.064	0.065	0.065	0.066	0.066	0.066	0.067	0.067	0.0%
Natural Gas Subtotal	2.120	2.154	2.186	2.226	2.267	2.305	2.339	2.379	2.417	2.465	2.506	2.0%
Metallurgical Coal	0.055	0.054	0.053	0.052	0.051	0.050	0.049	0.049	0.048	0.047	0.046	-1.5%
Steam Coal	0.310	0.311	0.312	0.313	0.314	0.316	0.317	0.318	0.320	0.321	0.321	0.4%
Net Coal Coke Imports	0.021	0.021	0.022	0.023	0.023	0.024	0.024	0.025	0.026	0.027	0.028	10.6%
Coal Subtotal	0.385	0.386	0.387	0.387	0.389	0.390	0.391	0.392	0.394	0.394	0.395	0.3%
Renewable Energy 13/	0.537	0.543	0.550	0.558	0.567	0.575	0.582	0.591	0.600	0.610	0.619	1.5%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	3.248	3.315	3.379	3.448	3.521	3.596	3.663	3.738	3.813	3.896	3.971	2.2%
Delivered Energy	14.193	14.444	14.694	14.962	15.249	15.518	15.770	16.050	16.339	16.659	16.952	2.0%
Electricity Related Losses	5.485	5.619	5.761	5.921	6.035	6.150	6.202	6.396	6.541	6.717	6.915	1.4%
Total	19.678	20.063	20.454	20.882	21.284	21.668	21.971	22.446	22.879	23.375	23.867	1.8%
Electric Generators 14/												
Distillate Fuel	0.023	0.024	0.021	0.018	0.016	0.016	0.016	0.017	0.016	0.018	0.016	-4.7%
Residual Fuel	0.056	0.057	0.055	0.046	0.041	0.047	0.044	0.043	0.040	0.040	0.035	-10.0%
Petroleum Subtotal	0.080	0.082	0.076	0.064	0.056	0.062	0.060	0.059	0.056	0.058	0.051	-9.0%
Natural Gas	0.743	0.784	0.804	0.847	0.868	0.906	0.941	0.968	0.983	1.038	1.059	3.0%
Steam Coal	5.456	5.612	5.802	6.001	6.174	6.320	6.406	6.645	6.848	7.045	7.299	2.5%
Nuclear Power	2.159	2.161	2.161	2.161	2.161	2.161	2.161	2.161	2.161	2.161	2.161	0.3%
Renewable Energy/Other 15/	0.295	0.296	0.296	0.296	0.296	0.296	0.296	0.300	0.305	0.310	0.316	2.1%
Electricity Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Total	8.733	8.934	9.140	9.369	9.556	9.746	9.865	10.134	10.353	10.613	10.886	1.7%

Table 5. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
South Atlantic

Sector and Source	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total Energy Consumption												
Distillate Fuel	1.853	1.885	1.916	1.948	1.984	2.020	2.055	2.098	2.140	2.188	2.229	2.2%
Kerosene	0.037	0.037	0.036	0.035	0.034	0.033	0.032	0.031	0.031	0.030	0.029	-2.2%
Jet Fuel 9/	0.498	0.512	0.526	0.541	0.555	0.569	0.583	0.597	0.611	0.625	0.640	2.3%
Liquefied Petroleum Gas	0.164	0.166	0.167	0.169	0.171	0.173	0.174	0.176	0.178	0.180	0.182	0.9%
Motor Gasoline 2/	4.578	4.669	4.756	4.848	4.946	5.030	5.113	5.202	5.299	5.404	5.502	2.2%
Petrochemical Feedstocks	0.172	0.174	0.177	0.180	0.183	0.185	0.188	0.191	0.194	0.197	0.200	2.0%
Residual Fuel	0.262	0.264	0.263	0.255	0.252	0.260	0.260	0.260	0.259	0.261	0.256	-3.7%
Other Petroleum 12/	0.417	0.421	0.425	0.430	0.437	0.443	0.449	0.455	0.460	0.466	0.473	0.9%
Petroleum Subtotal	7.982	8.127	8.267	8.405	8.561	8.715	8.854	9.010	9.171	9.352	9.511	1.7%
Natural Gas	2.778	2.853	2.906	2.989	3.051	3.126	3.195	3.263	3.317	3.419	3.481	2.3%
Lease and Plant Fuel 6/	0.020	0.021	0.021	0.020	0.020	0.019	0.019	0.018	0.018	0.017	0.017	0.7%
Pipeline Natural Gas	0.065	0.065	0.064	0.064	0.065	0.065	0.066	0.066	0.066	0.067	0.067	0.0%
Natural Gas Subtotal	2.863	2.938	2.990	3.073	3.136	3.211	3.280	3.347	3.400	3.503	3.565	2.3%
Metallurgical Coal	0.055	0.054	0.053	0.052	0.051	0.050	0.049	0.049	0.048	0.047	0.046	-1.5%
Steam Coal	5.765	5.923	6.114	6.314	6.488	6.636	6.724	6.963	7.168	7.366	7.621	2.4%
Net Coal Coke Imports	0.021	0.021	0.022	0.023	0.023	0.024	0.024	0.025	0.026	0.027	0.028	10.6%
Coal Subtotal	5.841	5.998	6.189	6.388	6.563	6.710	6.798	7.037	7.242	7.440	7.695	2.3%
Nuclear Power	2.159	2.161	2.161	2.161	2.161	2.161	2.161	2.161	2.161	2.161	2.161	0.3%
Renewable Energy 16/	0.832	0.839	0.846	0.854	0.862	0.870	0.878	0.890	0.904	0.920	0.934	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	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	N/A
Total	19.678	20.063	20.454	20.882	21.284	21.668	21.971	22.446	22.879	23.375	23.867	1.8%
Energy Use & Related Statistics												
Delivered Energy Use	14.193	14.444	14.694	14.962	15.249	15.518	15.770	16.050	16.339	16.659	16.952	2.0%
Total Energy Use	19.678	20.063	20.454	20.882	21.284	21.668	21.971	22.446	22.879	23.375	23.867	1.8%
Population (millions)	60.265	60.975	61.688	62.402	63.117	63.833	64.551	65.273	65.997	66.726	67.465	1.2%
US GDP (billion 1996 dollars)	14288	14681	15101	15540	16013	16450	16888	17363	17858	18389	18917	3.0%
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1944.2	1970.2	1996.8	2024.6	2055.5	2082.5	2108.3	2139.7	2170.8	2204.3	2236.9	1.5%

Table 5. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
South Atlantic

1/ Includes wood used for residential heating. See Table A18 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 electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.
4/ Fuel consumption includes consumption for combined heat and power, which produces electricity, both for sale to the grid and for own use, and other useful thermal energy.
5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.
6/ Represents natural gas used in the field gathering and processing plant machinery.
7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.
8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.
9/ Includes only kerosene type.
10/ Includes aviation gasoline and lubricants.
11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
12/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.
13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
14/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2000 and 2001 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: 2000 and 2001 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). 2000 and 2001 population and gross domestic product: Global Insight macroeconomic model CTL0802. 2000 and 2001 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2001, DOE/EIA-0573(2001) (Washington, DC, December 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 6. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
East South Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption													
Residential													
Distillate Fuel	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
Kerosene	0.005	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Liquefied Petroleum Gas	0.044	0.039	0.041	0.038	0.037	0.036	0.035	0.035	0.034	0.034	0.033	0.033	0.032
Petroleum Subtotal	0.053	0.049	0.050	0.047	0.046	0.045	0.044	0.044	0.043	0.042	0.042	0.041	0.041
Natural Gas	0.207	0.194	0.198	0.206	0.209	0.209	0.211	0.211	0.212	0.211	0.211	0.210	0.211
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
Renewable Energy 1/	0.023	0.022	0.022	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
Electricity	0.347	0.342	0.350	0.360	0.365	0.368	0.373	0.378	0.385	0.389	0.394	0.397	0.402
Delivered Energy	0.632	0.609	0.621	0.637	0.644	0.647	0.652	0.657	0.664	0.667	0.670	0.673	0.678
Electricity Related Losses	0.771	0.807	0.839	0.871	0.881	0.887	0.908	0.948	0.960	0.975	0.989	1.006	1.014
Total	1.402	1.416	1.460	1.508	1.525	1.534	1.559	1.605	1.624	1.642	1.659	1.679	1.692
Commercial													
Distillate Fuel	0.007	0.009	0.009	0.009	0.010	0.010	0.010	0.011	0.011	0.011	0.012	0.012	0.012
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
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Liquefied Petroleum Gas	0.008	0.008	0.008	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Motor Gasoline 2/	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Petroleum Subtotal	0.018	0.019	0.020	0.019	0.019	0.020	0.020	0.021	0.021	0.021	0.022	0.022	0.022
Natural Gas	0.267	0.265	0.266	0.277	0.285	0.290	0.296	0.300	0.304	0.307	0.310	0.314	0.317
Coal	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.009
Renewable Energy 3/	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
Electricity	0.351	0.354	0.369	0.372	0.381	0.390	0.400	0.411	0.422	0.433	0.444	0.455	0.467
Delivered Energy	0.646	0.650	0.666	0.679	0.696	0.711	0.727	0.743	0.759	0.774	0.788	0.803	0.818
Electricity Related Losses	0.778	0.836	0.884	0.901	0.920	0.939	0.973	1.029	1.052	1.086	1.116	1.153	1.177
Total	1.424	1.485	1.550	1.580	1.616	1.650	1.700	1.772	1.811	1.860	1.904	1.956	1.995
Industrial 4/													
Distillate Fuel	0.086	0.088	0.083	0.084	0.085	0.086	0.087	0.089	0.091	0.093	0.095	0.096	0.098
Liquefied Petroleum Gas	0.039	0.036	0.038	0.039	0.038	0.038	0.038	0.039	0.040	0.041	0.042	0.043	0.044
Petrochemical Feedstocks	0.106	0.091	0.097	0.100	0.101	0.101	0.103	0.105	0.108	0.111	0.115	0.118	0.121
Residual Fuel	0.005	0.005	0.004	0.005	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004
Motor Gasoline 2/	0.013	0.013	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.015	0.015	0.015
Other Petroleum 5/	0.285	0.297	0.312	0.300	0.303	0.300	0.300	0.303	0.303	0.308	0.312	0.314	0.317
Petroleum Subtotal	0.535	0.531	0.548	0.541	0.544	0.542	0.545	0.554	0.560	0.571	0.581	0.590	0.599
Natural Gas	0.526	0.483	0.514	0.518	0.523	0.525	0.536	0.544	0.548	0.558	0.572	0.586	0.596
Lease and Plant Fuel 6/	0.023	0.044	0.023	0.027	0.028	0.027	0.027	0.026	0.027	0.027	0.027	0.027	0.028
Natural Gas Subtotal	0.548	0.527	0.537	0.545	0.551	0.553	0.563	0.570	0.575	0.585	0.599	0.613	0.624
Metallurgical Coal	0.101	0.091	0.082	0.087	0.087	0.086	0.086	0.086	0.087	0.086	0.084	0.083	0.081
Steam Coal	0.185	0.180	0.172	0.175	0.177	0.177	0.177	0.179	0.181	0.182	0.183	0.184	0.186
Net Coal Coke Imports	0.008	0.003	0.003	0.006	0.008	0.010	0.012	0.014	0.016	0.018	0.021	0.023	0.025
Coal Subtotal	0.294	0.275	0.258	0.268	0.271	0.273	0.275	0.279	0.284	0.285	0.288	0.290	0.292
Renewable Energy 7/	0.206	0.201	0.200	0.206	0.211	0.214	0.217	0.221	0.225	0.231	0.238	0.244	0.250
Electricity	0.418	0.390	0.363	0.381	0.389	0.394	0.402	0.412	0.425	0.434	0.447	0.458	0.469
Delivered Energy	2.002	1.923	1.905	1.941	1.967	1.975	2.001	2.036	2.068	2.106	2.153	2.196	2.233
Electricity Related Losses	0.928	0.919	0.870	0.924	0.941	0.948	0.978	1.033	1.059	1.088	1.122	1.160	1.183

Table 6. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
East South Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total	2.930	2.842	2.775	2.865	2.908	2.923	2.979	3.069	3.128	3.194	3.275	3.356	3.416
Transportation													
Distillate Fuel 8/	0.470	0.479	0.476	0.493	0.509	0.520	0.535	0.551	0.567	0.584	0.603	0.620	0.635
Jet Fuel 9/	0.178	0.171	0.167	0.165	0.164	0.168	0.172	0.176	0.181	0.186	0.191	0.195	0.200
Motor Gasoline 2/	1.129	1.144	1.172	1.196	1.218	1.245	1.274	1.305	1.337	1.369	1.401	1.430	1.457
Residual Fuel	0.015	0.014	0.013	0.014	0.014	0.014	0.014	0.014	0.014	0.013	0.013	0.013	0.013
Liquefied Petroleum Gas	0.001	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.004
Other Petroleum 10/	0.016	0.017	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.019	0.019	0.019	0.020
Petroleum Subtotal	1.810	1.826	1.848	1.888	1.925	1.966	2.015	2.067	2.120	2.174	2.230	2.282	2.329
Pipeline Fuel Natural Gas	0.083	0.079	0.080	0.087	0.091	0.092	0.095	0.097	0.102	0.106	0.110	0.112	0.114
Compressed Natural Gas	0.000	0.001	0.001	0.001	0.002	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.006
Renewable Energy (E85) 11/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006
Delivered Energy	1.898	1.911	1.934	1.980	2.023	2.065	2.118	2.173	2.231	2.290	2.350	2.405	2.455
Electricity Related Losses	0.010	0.011	0.011	0.011	0.012	0.012	0.012	0.013	0.013	0.013	0.014	0.014	0.015
Total	1.908	1.921	1.945	1.992	2.034	2.077	2.130	2.186	2.244	2.303	2.364	2.420	2.470
Delivered Energy Consumption, All Sectors													
Distillate Fuel	0.568	0.580	0.572	0.590	0.607	0.620	0.636	0.655	0.673	0.692	0.713	0.732	0.748
Kerosene	0.009	0.010	0.008	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.008	0.008	0.008
Jet Fuel 9/	0.178	0.171	0.167	0.165	0.164	0.168	0.172	0.176	0.181	0.186	0.191	0.195	0.200
Liquefied Petroleum Gas	0.092	0.084	0.088	0.085	0.084	0.084	0.084	0.084	0.085	0.085	0.086	0.087	0.088
Motor Gasoline 2/	1.144	1.159	1.187	1.211	1.233	1.259	1.289	1.320	1.353	1.384	1.416	1.446	1.474
Petrochemical Feedstocks	0.106	0.091	0.097	0.100	0.101	0.101	0.103	0.105	0.108	0.111	0.115	0.118	0.121
Residual Fuel	0.020	0.019	0.018	0.018	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
Other Petroleum 12/	0.299	0.312	0.327	0.316	0.319	0.316	0.315	0.319	0.319	0.325	0.328	0.331	0.334
Petroleum Subtotal	2.417	2.426	2.465	2.494	2.534	2.573	2.624	2.685	2.744	2.809	2.875	2.935	2.991
Natural Gas	1.000	0.943	0.979	1.003	1.020	1.027	1.045	1.058	1.068	1.081	1.098	1.115	1.129
Lease and Plant Fuel 6/	0.023	0.044	0.023	0.027	0.028	0.027	0.027	0.026	0.027	0.027	0.027	0.027	0.028
Pipeline Natural Gas	0.083	0.079	0.080	0.087	0.091	0.092	0.095	0.097	0.102	0.106	0.110	0.112	0.114
Natural Gas Subtotal	1.106	1.067	1.082	1.116	1.138	1.146	1.167	1.182	1.196	1.214	1.235	1.255	1.271
Metallurgical Coal	0.101	0.091	0.082	0.087	0.087	0.086	0.086	0.086	0.087	0.086	0.084	0.083	0.081
Steam Coal	0.193	0.188	0.181	0.185	0.185	0.186	0.186	0.188	0.190	0.191	0.193	0.194	0.195
Net Coal Coke Imports	0.008	0.003	0.003	0.006	0.008	0.010	0.012	0.014	0.016	0.018	0.021	0.023	0.025
Coal Subtotal	0.302	0.283	0.266	0.278	0.280	0.283	0.284	0.288	0.293	0.295	0.298	0.300	0.301
Renewable Energy 13/	0.233	0.226	0.225	0.232	0.237	0.240	0.243	0.247	0.251	0.257	0.264	0.271	0.276
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity	1.120	1.091	1.087	1.117	1.139	1.156	1.179	1.207	1.237	1.262	1.290	1.317	1.343
Delivered Energy	5.178	5.093	5.126	5.237	5.330	5.398	5.498	5.609	5.722	5.836	5.962	6.077	6.183
Electricity Related Losses	2.486	2.573	2.604	2.708	2.753	2.786	2.871	3.023	3.085	3.163	3.240	3.333	3.389
Total	7.664	7.665	7.730	7.945	8.083	8.185	8.369	8.632	8.806	8.999	9.202	9.410	9.572
Electric Generators 14/													
Distillate Fuel	0.006	0.007	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Residual Fuel	0.035	0.057	0.008	0.003	0.007	0.005	0.002	0.002	0.003	0.002	0.003	0.002	0.003
Petroleum Subtotal	0.041	0.064	0.010	0.006	0.009	0.008	0.005	0.005	0.006	0.005	0.005	0.005	0.006
Natural Gas	0.157	0.226	0.308	0.380	0.397	0.341	0.350	0.377	0.472	0.567	0.680	0.800	0.862
Steam Coal	2.484	2.476	2.432	2.471	2.499	2.592	2.691	2.756	2.750	2.759	2.749	2.748	2.754
Nuclear Power	0.703	0.716	0.723	0.725	0.739	0.754	0.756	0.844	0.845	0.846	0.848	0.849	0.863
Renewable Energy/Other 15/	0.222	0.180	0.218	0.244	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248	0.248
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
Total	3.607	3.663	3.691	3.825	3.893	3.943	4.050	4.230	4.321	4.425	4.531	4.650	4.732

Table 6. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
East South Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total Energy Consumption													
Distillate Fuel	0.574	0.587	0.574	0.593	0.610	0.623	0.639	0.658	0.676	0.695	0.716	0.735	0.751
Kerosene	0.009	0.010	0.008	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.008	0.008	0.008
Jet Fuel 9/	0.178	0.171	0.167	0.165	0.164	0.168	0.172	0.176	0.181	0.186	0.191	0.195	0.200
Liquefied Petroleum Gas	0.092	0.084	0.088	0.085	0.084	0.084	0.084	0.084	0.085	0.085	0.086	0.087	0.088
Motor Gasoline 2/	1.144	1.159	1.187	1.211	1.233	1.259	1.289	1.320	1.353	1.384	1.416	1.446	1.474
Petrochemical Feedstocks	0.106	0.091	0.097	0.100	0.101	0.101	0.103	0.105	0.108	0.111	0.115	0.118	0.121
Residual Fuel	0.055	0.077	0.026	0.022	0.023	0.022	0.018	0.019	0.020	0.019	0.020	0.019	0.020
Other Petroleum 12/	0.299	0.312	0.327	0.316	0.319	0.316	0.315	0.319	0.319	0.325	0.328	0.331	0.334
Petroleum Subtotal	2.458	2.490	2.475	2.500	2.543	2.580	2.629	2.690	2.750	2.814	2.880	2.940	2.996
Natural Gas	1.157	1.169	1.287	1.382	1.417	1.368	1.395	1.435	1.539	1.647	1.778	1.915	1.991
Lease and Plant Fuel 6/	0.023	0.044	0.023	0.027	0.028	0.027	0.027	0.026	0.027	0.027	0.027	0.027	0.028
Pipeline Natural Gas	0.083	0.079	0.080	0.087	0.091	0.092	0.095	0.097	0.102	0.106	0.110	0.112	0.114
Natural Gas Subtotal	1.263	1.293	1.390	1.496	1.536	1.487	1.517	1.559	1.668	1.780	1.915	2.055	2.134
Metallurgical Coal	0.101	0.091	0.082	0.087	0.087	0.086	0.086	0.086	0.087	0.086	0.084	0.083	0.081
Steam Coal	2.677	2.665	2.613	2.655	2.684	2.779	2.877	2.944	2.941	2.950	2.942	2.942	2.949
Net Coal Coke Imports	0.008	0.003	0.003	0.006	0.008	0.010	0.012	0.014	0.016	0.018	0.021	0.023	0.025
Coal Subtotal	2.786	2.760	2.698	2.748	2.779	2.875	2.975	3.044	3.044	3.054	3.047	3.048	3.055
Nuclear Power	0.703	0.716	0.723	0.725	0.739	0.754	0.756	0.844	0.845	0.846	0.848	0.849	0.863
Renewable Energy 16/	0.454	0.406	0.444	0.477	0.486	0.489	0.491	0.495	0.500	0.505	0.512	0.518	0.524
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity Imports	0.000	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	7.664	7.665	7.730	7.945	8.083	8.185	8.369	8.632	8.806	8.999	9.202	9.410	9.572
Energy Use & Related Statistics													
Delivered Energy Use	5.178	5.093	5.126	5.237	5.330	5.398	5.498	5.609	5.722	5.836	5.962	6.077	6.183
Total Energy Use	7.664	7.665	7.730	7.945	8.083	8.185	8.369	8.632	8.806	8.999	9.202	9.410	9.572
Population (millions)	16.732	16.857	16.981	17.104	17.212	17.303	17.392	17.480	17.567	17.653	17.739	17.824	17.909
US GDP (billion 1996 dollars)	9191	9215	9440	9743	10074	10361	10667	11017	11408	11810	12258	12671	13082
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1578.2	1558.6	1536.2	1567.9	1597.2	1623.7	1662.3	1699.7	1734.5	1765.8	1800.5	1832.6	1862.1

Table 6. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
East South Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption														
Residential														
Distillate Fuel	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	-3.4%
Kerosene	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	-2.0%
Liquefied Petroleum Gas	0.032	0.032	0.032	0.032	0.031	0.031	0.031	0.031	0.031	0.032	0.032	0.032	0.032	-0.8%
Petroleum Subtotal	0.040	0.040	0.039	0.039	0.039	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.037	-1.1%
Natural Gas	0.210	0.210	0.210	0.211	0.210	0.210	0.211	0.211	0.210	0.210	0.210	0.211	0.212	0.4%
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/	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.022	0.022	0.023	0.022	0.1%
Electricity	0.405	0.408	0.413	0.417	0.420	0.424	0.428	0.433	0.435	0.439	0.444	0.450	0.454	1.2%
Delivered Energy	0.679	0.682	0.686	0.691	0.692	0.696	0.700	0.705	0.707	0.711	0.716	0.723	0.726	0.7%
Electricity Related Losses	1.015	1.014	0.994	0.990	0.975	0.962	0.954	0.956	0.952	0.936	0.925	0.935	0.915	0.5%
Total	1.693	1.695	1.680	1.681	1.667	1.657	1.654	1.661	1.659	1.647	1.640	1.657	1.641	0.6%
Commercial														
Distillate 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	1.6%
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	-2.7%
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	-0.9%
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	0.008	0.4%
Motor Gasoline 2/	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%
Petroleum Subtotal	0.023	0.023	0.023	0.023	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.8%
Natural Gas	0.321	0.325	0.330	0.334	0.339	0.344	0.348	0.351	0.354	0.357	0.359	0.362	0.365	1.3%
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	1.1%
Renewable Energy 3/	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%
Electricity	0.478	0.490	0.501	0.513	0.524	0.536	0.547	0.558	0.569	0.579	0.588	0.597	0.605	2.3%
Delivered Energy	0.834	0.850	0.867	0.883	0.899	0.915	0.932	0.946	0.960	0.972	0.984	0.996	1.006	1.8%
Electricity Related Losses	1.199	1.215	1.208	1.216	1.217	1.216	1.221	1.233	1.244	1.232	1.225	1.241	1.220	1.6%
Total	2.032	2.065	2.075	2.099	2.116	2.132	2.153	2.179	2.203	2.204	2.210	2.236	2.226	1.7%
Industrial 4/														
Distillate Fuel	0.098	0.099	0.100	0.101	0.102	0.103	0.104	0.106	0.107	0.109	0.110	0.111	0.113	1.1%
Liquefied Petroleum Gas	0.045	0.046	0.046	0.047	0.048	0.048	0.049	0.050	0.051	0.052	0.052	0.053	0.054	1.7%
Petrochemical Feedstocks	0.123	0.125	0.127	0.128	0.130	0.132	0.134	0.136	0.138	0.140	0.142	0.145	0.147	2.0%
Residual Fuel	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	-1.1%
Motor Gasoline 2/	0.015	0.015	0.015	0.016	0.016	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.017	1.0%
Other Petroleum 5/	0.320	0.324	0.324	0.327	0.330	0.331	0.335	0.338	0.340	0.343	0.345	0.348	0.351	0.7%
Petroleum Subtotal	0.605	0.613	0.617	0.622	0.629	0.634	0.643	0.650	0.656	0.664	0.670	0.678	0.685	1.1%
Natural Gas	0.602	0.609	0.616	0.621	0.627	0.636	0.646	0.653	0.663	0.673	0.682	0.694	0.704	1.6%
Lease and Plant Fuel 6/	0.029	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.029	0.029	0.029	0.029	-1.8%
Natural Gas Subtotal	0.632	0.638	0.646	0.650	0.657	0.666	0.676	0.683	0.693	0.702	0.711	0.723	0.732	1.4%
Metallurgical Coal	0.080	0.078	0.077	0.075	0.074	0.073	0.071	0.070	0.069	0.067	0.066	0.065	0.064	-1.5%
Steam Coal	0.187	0.187	0.188	0.188	0.189	0.189	0.190	0.191	0.192	0.192	0.193	0.193	0.194	0.3%
Net Coal Coke Imports	0.026	0.028	0.029	0.029	0.030	0.031	0.033	0.033	0.034	0.035	0.036	0.038	0.039	10.6%
Coal Subtotal	0.293	0.293	0.293	0.293	0.293	0.293	0.294	0.294	0.294	0.295	0.296	0.296	0.296	0.3%
Renewable Energy 7/	0.255	0.261	0.266	0.271	0.276	0.281	0.287	0.292	0.297	0.303	0.309	0.316	0.321	2.0%
Electricity	0.477	0.486	0.492	0.498	0.505	0.513	0.522	0.529	0.537	0.546	0.555	0.565	0.573	1.6%
Delivered Energy	2.262	2.291	2.314	2.334	2.360	2.388	2.422	2.449	2.478	2.510	2.541	2.577	2.608	1.3%
Electricity Related Losses	1.197	1.206	1.187	1.182	1.173	1.165	1.165	1.170	1.174	1.163	1.156	1.173	1.154	1.0%

Table 6. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
East South Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total	3.459	3.497	3.501	3.516	3.534	3.553	3.587	3.619	3.652	3.674	3.697	3.750	3.762	1.2%
Transportation														
Distillate Fuel 8/	0.647	0.659	0.669	0.677	0.688	0.698	0.709	0.719	0.730	0.742	0.755	0.770	0.782	2.1%
Jet Fuel 9/	0.206	0.211	0.216	0.222	0.227	0.232	0.238	0.243	0.248	0.253	0.258	0.263	0.268	1.9%
Motor Gasoline 2/	1.484	1.507	1.529	1.550	1.569	1.589	1.610	1.628	1.644	1.663	1.683	1.706	1.727	1.7%
Residual Fuel	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	-0.1%
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	6.5%
Other Petroleum 10/	0.020	0.020	0.021	0.021	0.021	0.022	0.022	0.022	0.022	0.023	0.023	0.023	0.023	1.2%
Petroleum Subtotal	2.374	2.415	2.452	2.487	2.522	2.558	2.598	2.630	2.662	2.699	2.738	2.781	2.820	1.8%
Pipeline Fuel Natural Gas	0.115	0.117	0.118	0.119	0.119	0.121	0.123	0.125	0.124	0.124	0.123	0.125	0.126	2.0%
Compressed Natural Gas	0.006	0.006	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	11.2%
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	8.7%
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	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.008	0.008	2.5%
Delivered Energy	2.501	2.545	2.584	2.620	2.655	2.694	2.735	2.770	2.803	2.839	2.877	2.923	2.964	1.8%
Electricity Related Losses	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	1.8%
Total	2.515	2.560	2.599	2.635	2.671	2.709	2.751	2.786	2.819	2.854	2.893	2.939	2.980	1.8%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	0.761	0.774	0.785	0.795	0.806	0.817	0.830	0.841	0.853	0.867	0.880	0.896	0.910	1.9%
Kerosene	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.007	0.007	-1.3%
Jet Fuel 9/	0.206	0.211	0.216	0.222	0.227	0.232	0.238	0.243	0.248	0.253	0.258	0.263	0.268	1.9%
Liquefied Petroleum Gas	0.089	0.090	0.090	0.091	0.092	0.092	0.093	0.094	0.095	0.096	0.097	0.098	0.099	0.7%
Motor Gasoline 2/	1.500	1.524	1.546	1.566	1.585	1.606	1.628	1.645	1.662	1.680	1.701	1.725	1.745	1.7%
Petrochemical Feedstocks	0.123	0.125	0.127	0.128	0.130	0.132	0.134	0.136	0.138	0.140	0.142	0.145	0.147	2.0%
Residual Fuel	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.018	0.018	-0.4%
Other Petroleum 12/	0.337	0.341	0.342	0.345	0.348	0.350	0.354	0.357	0.360	0.363	0.365	0.368	0.371	0.7%
Petroleum Subtotal	3.042	3.090	3.132	3.172	3.214	3.255	3.303	3.342	3.381	3.424	3.469	3.520	3.566	1.6%
Natural Gas	1.139	1.150	1.163	1.173	1.183	1.198	1.213	1.224	1.236	1.249	1.260	1.276	1.289	1.3%
Lease and Plant Fuel 6/	0.029	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.029	0.029	0.029	0.029	-1.8%
Pipeline Natural Gas	0.115	0.117	0.118	0.119	0.119	0.121	0.123	0.125	0.124	0.124	0.123	0.125	0.126	2.0%
Natural Gas Subtotal	1.283	1.297	1.311	1.322	1.332	1.348	1.365	1.378	1.390	1.401	1.412	1.430	1.444	1.3%
Metallurgical Coal	0.080	0.078	0.077	0.075	0.074	0.073	0.071	0.070	0.069	0.067	0.066	0.065	0.064	-1.5%
Steam Coal	0.196	0.197	0.198	0.198	0.199	0.199	0.200	0.201	0.202	0.203	0.204	0.204	0.204	0.3%
Net Coal Coke Imports	0.026	0.028	0.029	0.029	0.030	0.031	0.033	0.033	0.034	0.035	0.036	0.038	0.039	10.6%
Coal Subtotal	0.302	0.303	0.303	0.303	0.303	0.303	0.304	0.304	0.305	0.305	0.306	0.307	0.307	0.3%
Renewable Energy 13/	0.281	0.287	0.292	0.297	0.302	0.308	0.314	0.319	0.324	0.330	0.335	0.342	0.348	1.8%
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	1.366	1.390	1.413	1.434	1.456	1.479	1.504	1.527	1.548	1.572	1.595	1.620	1.640	1.7%
Delivered Energy	6.275	6.367	6.450	6.527	6.607	6.693	6.789	6.871	6.947	7.032	7.118	7.218	7.304	1.5%
Electricity Related Losses	3.425	3.450	3.404	3.403	3.381	3.358	3.355	3.374	3.386	3.347	3.322	3.365	3.305	1.0%
Total	9.699	9.817	9.854	9.931	9.987	10.050	10.144	10.245	10.333	10.379	10.441	10.583	10.609	1.4%
Electric Generators 14/														
Distillate 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	-3.9%
Residual Fuel	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.003	0.002	0.003	0.003	-12.1%
Petroleum Subtotal	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	-9.9%
Natural Gas	0.903	0.981	0.961	0.980	0.980	1.015	1.033	1.072	1.105	1.092	1.090	1.157	1.138	7.0%
Steam Coal	2.760	2.719	2.717	2.717	2.716	2.680	2.684	2.685	2.686	2.684	2.684	2.684	2.664	0.3%
Nuclear Power	0.875	0.886	0.887	0.888	0.889	0.889	0.890	0.891	0.891	0.891	0.891	0.891	0.891	0.9%
Renewable Energy/Other 15/	0.248	0.248	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	0.247	1.3%
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	4.791	4.840	4.817	4.838	4.837	4.837	4.858	4.901	4.935	4.919	4.918	4.984	4.945	1.3%

Table 6. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
East South Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total Energy Consumption														
Distillate Fuel	0.764	0.777	0.788	0.798	0.809	0.820	0.833	0.844	0.856	0.869	0.883	0.899	0.913	1.9%
Kerosene	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.007	0.007	-1.3%
Jet Fuel 9/	0.206	0.211	0.216	0.222	0.227	0.232	0.238	0.243	0.248	0.253	0.258	0.263	0.268	1.9%
Liquefied Petroleum Gas	0.089	0.090	0.090	0.091	0.092	0.092	0.093	0.094	0.095	0.096	0.097	0.098	0.099	0.7%
Motor Gasoline 2/	1.500	1.524	1.546	1.566	1.585	1.606	1.628	1.645	1.662	1.680	1.701	1.725	1.745	1.7%
Petrochemical Feedstocks	0.123	0.125	0.127	0.128	0.130	0.132	0.134	0.136	0.138	0.140	0.142	0.145	0.147	2.0%
Residual Fuel	0.020	0.020	0.019	0.019	0.019	0.019	0.019	0.020	0.019	0.020	0.020	0.020	0.020	-5.4%
Other Petroleum 12/	0.337	0.341	0.342	0.345	0.348	0.350	0.354	0.357	0.360	0.363	0.365	0.368	0.371	0.7%
Petroleum Subtotal	3.047	3.096	3.136	3.177	3.218	3.260	3.307	3.348	3.385	3.429	3.474	3.525	3.571	1.5%
Natural Gas	2.042	2.131	2.124	2.153	2.163	2.212	2.246	2.296	2.341	2.341	2.351	2.433	2.427	3.1%
Lease and Plant Fuel 6/	0.029	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.029	0.029	0.029	0.029	-1.8%
Pipeline Natural Gas	0.115	0.117	0.118	0.119	0.119	0.121	0.123	0.125	0.124	0.124	0.123	0.125	0.126	2.0%
Natural Gas Subtotal	2.186	2.278	2.272	2.302	2.312	2.362	2.398	2.451	2.495	2.493	2.503	2.587	2.582	2.9%
Metallurgical Coal	0.080	0.078	0.077	0.075	0.074	0.073	0.071	0.070	0.069	0.067	0.066	0.065	0.064	-1.5%
Steam Coal	2.956	2.916	2.914	2.915	2.914	2.880	2.884	2.886	2.888	2.886	2.888	2.888	2.868	0.3%
Net Coal Coke Imports	0.026	0.028	0.029	0.029	0.030	0.031	0.033	0.033	0.034	0.035	0.036	0.038	0.039	10.6%
Coal Subtotal	3.062	3.022	3.020	3.020	3.019	2.984	2.988	2.989	2.991	2.989	2.990	2.990	2.970	0.3%
Nuclear Power	0.875	0.886	0.887	0.888	0.889	0.889	0.890	0.891	0.891	0.891	0.891	0.891	0.891	0.9%
Renewable Energy 16/	0.529	0.535	0.540	0.544	0.549	0.555	0.561	0.566	0.571	0.577	0.582	0.589	0.595	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 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	9.699	9.817	9.854	9.931	9.987	10.050	10.144	10.245	10.333	10.379	10.441	10.583	10.609	1.4%
Energy Use & Related Statistics														
Delivered Energy Use	6.275	6.367	6.450	6.527	6.607	6.693	6.789	6.871	6.947	7.032	7.118	7.218	7.304	1.5%
Total Energy Use	9.699	9.817	9.854	9.931	9.987	10.050	10.144	10.245	10.333	10.379	10.441	10.583	10.609	1.4%
Population (millions)	17.995	18.082	18.168	18.255	18.341	18.428	18.514	18.600	18.687	18.774	18.863	18.952	19.042	0.5%
US GDP (billion 1996 dollars)	13480	13893	14288	14681	15101	15540	16013	16450	16888	17363	17858	18389	18917	3.0%
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1889.2	1915.7	1944.2	1970.2	1996.8	2024.6	2055.5	2082.5	2108.3	2139.7	2170.8	2204.3	2236.9	1.5%

Table 6. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
East South Central

1/ Includes wood used for residential heating. See Table A18 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 electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.
4/ Fuel consumption includes consumption for combined heat and power, which produces electricity, both for sale to the grid and for own use, and other useful thermal energy.
5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.
6/ Represents natural gas used in the field gathering and processing plant machinery.
7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.
8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.
9/ Includes only kerosene type.
10/ Includes aviation gasoline and lubricants.
11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
12/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.
13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
14/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2000 and 2001 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: 2000 and 2001 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). 2000 and 2001 population and gross domestic product: Global Insight macroeconomic model CTL0802. 2000 and 2001 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2001, DOE/EIA-0573(2001) (Washington, DC, December 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 7. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
West South Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption													
Residential													
Distillate Fuel	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
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Liquefied Petroleum Gas	0.029	0.027	0.028	0.026	0.025	0.025	0.025	0.024	0.024	0.024	0.024	0.023	0.023
Petroleum Subtotal	0.036	0.035	0.036	0.034	0.033	0.033	0.033	0.033	0.032	0.032	0.032	0.031	0.031
Natural Gas	0.415	0.412	0.421	0.431	0.438	0.440	0.444	0.445	0.447	0.446	0.447	0.448	0.451
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
Renewable Energy 1/	0.019	0.019	0.019	0.019	0.019	0.019	0.020	0.020	0.020	0.020	0.020	0.020	0.020
Electricity	0.608	0.611	0.626	0.653	0.670	0.684	0.699	0.711	0.729	0.739	0.760	0.775	0.794
Delivered Energy	1.078	1.077	1.102	1.137	1.161	1.177	1.195	1.209	1.229	1.238	1.259	1.275	1.297
Electricity Related Losses	1.337	1.284	1.171	1.193	1.226	1.238	1.250	1.242	1.257	1.254	1.240	1.239	1.243
Total	2.415	2.361	2.273	2.330	2.388	2.415	2.445	2.451	2.486	2.492	2.499	2.514	2.540
Commercial													
Distillate Fuel	0.007	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
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
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
Liquefied Petroleum Gas	0.006	0.006	0.008	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
Motor Gasoline 2/	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Petroleum Subtotal	0.016	0.017	0.019	0.017	0.017	0.018	0.017	0.018	0.018	0.018	0.018	0.018	0.018
Natural Gas	0.300	0.311	0.312	0.321	0.333	0.339	0.344	0.348	0.351	0.353	0.355	0.357	0.359
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
Renewable Energy 3/	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
Electricity	0.483	0.487	0.497	0.510	0.524	0.537	0.549	0.557	0.568	0.576	0.591	0.605	0.620
Delivered Energy	0.802	0.819	0.832	0.852	0.878	0.898	0.915	0.927	0.941	0.951	0.968	0.985	1.002
Electricity Related Losses	1.063	1.024	0.929	0.932	0.960	0.972	0.982	0.973	0.979	0.977	0.965	0.968	0.972
Total	1.865	1.843	1.761	1.784	1.838	1.870	1.897	1.900	1.920	1.927	1.933	1.953	1.974
Industrial 4/													
Distillate Fuel	0.225	0.229	0.216	0.219	0.221	0.223	0.227	0.232	0.237	0.241	0.246	0.250	0.254
Liquefied Petroleum Gas	1.896	1.728	1.833	1.862	1.859	1.850	1.870	1.904	1.936	1.991	2.054	2.115	2.169
Petrochemical Feedstocks	0.611	0.526	0.559	0.578	0.585	0.585	0.593	0.608	0.624	0.641	0.662	0.681	0.698
Residual Fuel	0.014	0.014	0.011	0.012	0.010	0.011	0.011	0.011	0.012	0.012	0.012	0.012	0.012
Motor Gasoline 2/	0.022	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.024	0.024	0.024	0.025	0.025
Other Petroleum 5/	1.146	1.157	1.171	1.180	1.213	1.220	1.237	1.258	1.287	1.299	1.288	1.267	1.255
Petroleum Subtotal	3.915	3.676	3.813	3.873	3.912	3.912	3.961	4.036	4.119	4.208	4.286	4.350	4.414
Natural Gas	2.968	2.734	2.890	2.918	2.835	2.850	2.923	2.963	2.986	3.038	3.127	3.216	3.271
Lease and Plant Fuel 6/	0.570	0.577	0.614	0.634	0.630	0.622	0.630	0.630	0.644	0.653	0.658	0.672	0.680
Natural Gas Subtotal	3.538	3.311	3.503	3.551	3.465	3.473	3.553	3.593	3.630	3.690	3.785	3.887	3.952
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
Steam Coal	0.093	0.091	0.087	0.088	0.089	0.089	0.089	0.090	0.091	0.091	0.092	0.093	0.093
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
Coal Subtotal	0.093	0.091	0.087	0.088	0.089	0.089	0.089	0.090	0.091	0.091	0.092	0.093	0.093
Renewable Energy 7/	0.201	0.198	0.197	0.203	0.208	0.212	0.216	0.221	0.226	0.232	0.240	0.248	0.254
Electricity	0.555	0.524	0.491	0.515	0.527	0.532	0.547	0.564	0.582	0.593	0.609	0.624	0.639

Table 7. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
West South Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Delivered Energy	8.303	7.800	8.092	8.231	8.200	8.218	8.366	8.503	8.648	8.816	9.013	9.202	9.353
Electricity Related Losses	1.221	1.102	0.918	0.941	0.964	0.963	0.978	0.985	1.003	1.006	0.994	0.999	1.001
Total	9.524	8.902	9.010	9.172	9.164	9.181	9.344	9.489	9.651	9.822	10.008	10.201	10.354
Transportation													
Distillate Fuel 8/	0.852	0.868	0.863	0.899	0.933	0.959	0.992	1.028	1.062	1.100	1.141	1.181	1.214
Jet Fuel 9/	0.880	0.842	0.827	0.822	0.821	0.841	0.868	0.894	0.923	0.955	0.983	1.013	1.044
Motor Gasoline 2/	1.927	1.953	2.000	2.044	2.088	2.143	2.204	2.270	2.338	2.407	2.477	2.543	2.607
Residual Fuel	0.317	0.299	0.281	0.291	0.292	0.293	0.295	0.296	0.297	0.299	0.300	0.301	0.303
Liquefied Petroleum Gas	0.002	0.002	0.002	0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.007
Other Petroleum 10/	0.034	0.036	0.037	0.038	0.038	0.038	0.038	0.039	0.039	0.040	0.041	0.041	0.042
Petroleum Subtotal	4.011	3.999	4.010	4.096	4.175	4.278	4.402	4.531	4.666	4.806	4.948	5.086	5.216
Pipeline Fuel Natural Gas	0.141	0.134	0.132	0.145	0.148	0.150	0.156	0.160	0.168	0.175	0.181	0.186	0.189
Compressed Natural Gas	0.001	0.001	0.002	0.002	0.003	0.004	0.004	0.005	0.006	0.006	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
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity	0.008	0.008	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.011	0.011	0.011
Delivered Energy	4.161	4.143	4.152	4.252	4.336	4.442	4.571	4.705	4.849	4.997	5.148	5.291	5.425
Electricity Related Losses	0.018	0.017	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.018	0.017	0.018	0.018
Total	4.179	4.160	4.168	4.268	4.352	4.458	4.588	4.722	4.867	5.015	5.165	5.308	5.443
Delivered Energy Consumption, All Sectors													
Distillate Fuel	1.090	1.111	1.094	1.133	1.170	1.198	1.234	1.276	1.316	1.358	1.404	1.447	1.484
Kerosene	0.003	0.004	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/	0.880	0.842	0.827	0.822	0.821	0.841	0.868	0.894	0.923	0.955	0.983	1.013	1.044
Liquefied Petroleum Gas	1.932	1.763	1.872	1.897	1.895	1.887	1.906	1.940	1.972	2.028	2.091	2.152	2.207
Motor Gasoline 2/	1.952	1.978	2.026	2.068	2.112	2.167	2.229	2.295	2.364	2.432	2.503	2.570	2.633
Petrochemical Feedstocks	0.611	0.526	0.559	0.578	0.585	0.585	0.593	0.608	0.624	0.641	0.662	0.681	0.698
Residual Fuel	0.332	0.312	0.292	0.303	0.303	0.304	0.305	0.307	0.309	0.310	0.312	0.313	0.315
Other Petroleum 12/	1.179	1.191	1.206	1.216	1.249	1.256	1.274	1.295	1.324	1.337	1.327	1.306	1.295
Petroleum Subtotal	7.979	7.727	7.878	8.019	8.137	8.241	8.413	8.617	8.835	9.064	9.284	9.486	9.680
Natural Gas	3.683	3.458	3.624	3.673	3.609	3.632	3.715	3.760	3.789	3.843	3.936	4.028	4.090
Lease and Plant Fuel 6/	0.570	0.577	0.614	0.634	0.630	0.622	0.630	0.630	0.644	0.653	0.658	0.672	0.680
Pipeline Natural Gas	0.141	0.134	0.132	0.145	0.148	0.150	0.156	0.160	0.168	0.175	0.181	0.186	0.189
Natural Gas Subtotal	4.395	4.169	4.370	4.451	4.387	4.405	4.500	4.550	4.601	4.670	4.775	4.886	4.959
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
Steam Coal	0.094	0.092	0.088	0.090	0.090	0.090	0.091	0.091	0.092	0.093	0.094	0.094	0.095
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
Coal Subtotal	0.094	0.092	0.088	0.090	0.090	0.090	0.091	0.091	0.092	0.093	0.094	0.094	0.095
Renewable Energy 13/	0.223	0.220	0.219	0.226	0.231	0.235	0.239	0.244	0.249	0.256	0.264	0.271	0.278
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity	1.654	1.631	1.623	1.686	1.730	1.763	1.805	1.843	1.890	1.918	1.971	2.016	2.065
Delivered Energy	14.345	13.838	14.178	14.473	14.575	14.734	15.047	15.344	15.667	16.001	16.388	16.752	17.077
Electricity Related Losses	3.639	3.428	3.034	3.082	3.168	3.190	3.227	3.218	3.257	3.255	3.217	3.224	3.234
Total	17.984	17.266	17.212	17.554	17.742	17.924	18.274	18.563	18.924	19.256	19.605	19.977	20.311
Electric Generators 14/													
Distillate Fuel	0.040	0.020	0.020	0.019	0.020	0.020	0.020	0.020	0.021	0.020	0.021	0.020	0.020
Residual Fuel	0.018	0.066	0.004	0.000	0.001	0.000	0.000	0.000	0.000	0.002	0.001	0.001	0.001
Petroleum Subtotal	0.058	0.085	0.023	0.020	0.020	0.020	0.020	0.020	0.021	0.022	0.021	0.021	0.021
Natural Gas	2.142	1.928	1.561	1.649	1.688	1.668	1.696	1.706	1.831	1.850	1.826	1.876	1.930
Steam Coal	2.343	2.270	2.262	2.269	2.350	2.408	2.452	2.465	2.408	2.409	2.447	2.447	2.452
Nuclear Power	0.683	0.704	0.710	0.711	0.715	0.729	0.730	0.733	0.748	0.751	0.751	0.752	0.752
Renewable Energy/Other 15/	0.067	0.072	0.101	0.120	0.125	0.129	0.134	0.137	0.139	0.142	0.143	0.143	0.144
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

Table 7. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
West South Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total	5.293	5.059	4.657	4.768	4.897	4.952	5.031	5.061	5.147	5.173	5.188	5.240	5.299
Total Energy Consumption													
Distillate Fuel	1.130	1.131	1.113	1.152	1.189	1.218	1.254	1.295	1.336	1.378	1.424	1.467	1.505
Kerosene	0.003	0.004	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/	0.880	0.842	0.827	0.822	0.821	0.841	0.868	0.894	0.923	0.955	0.983	1.013	1.044
Liquefied Petroleum Gas	1.932	1.763	1.872	1.897	1.895	1.887	1.906	1.940	1.972	2.028	2.091	2.152	2.207
Motor Gasoline 2/	1.952	1.978	2.026	2.068	2.112	2.167	2.229	2.295	2.364	2.432	2.503	2.570	2.633
Petrochemical Feedstocks	0.611	0.526	0.559	0.578	0.585	0.585	0.593	0.608	0.624	0.641	0.662	0.681	0.698
Residual Fuel	0.350	0.378	0.296	0.304	0.303	0.304	0.306	0.307	0.309	0.312	0.312	0.314	0.316
Other Petroleum 12/	1.179	1.191	1.206	1.216	1.249	1.256	1.274	1.295	1.324	1.337	1.327	1.306	1.295
Petroleum Subtotal	8.036	7.812	7.901	8.039	8.157	8.261	8.433	8.637	8.856	9.086	9.306	9.507	9.702
Natural Gas	5.826	5.386	5.186	5.322	5.297	5.300	5.411	5.467	5.619	5.693	5.762	5.904	6.019
Lease and Plant Fuel 6/	0.570	0.577	0.614	0.634	0.630	0.622	0.630	0.630	0.644	0.653	0.658	0.672	0.680
Pipeline Natural Gas	0.141	0.134	0.132	0.145	0.148	0.150	0.156	0.160	0.168	0.175	0.181	0.186	0.189
Natural Gas Subtotal	6.537	6.097	5.931	6.100	6.075	6.073	6.196	6.256	6.431	6.521	6.601	6.762	6.888
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
Steam Coal	2.437	2.362	2.350	2.359	2.440	2.498	2.542	2.557	2.500	2.501	2.541	2.541	2.546
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
Coal Subtotal	2.437	2.362	2.350	2.359	2.440	2.498	2.542	2.557	2.500	2.501	2.541	2.541	2.546
Nuclear Power	0.683	0.704	0.710	0.711	0.715	0.729	0.730	0.733	0.748	0.751	0.751	0.752	0.752
Renewable Energy 16/	0.290	0.291	0.320	0.345	0.355	0.363	0.373	0.380	0.388	0.397	0.407	0.415	0.422
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity Imports	0.000	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	17.984	17.266	17.213	17.555	17.742	17.924	18.274	18.563	18.924	19.256	19.605	19.977	20.311
Energy Use & Related Statistics													
Delivered Energy Use	14.345	13.838	14.178	14.473	14.575	14.734	15.047	15.344	15.667	16.001	16.388	16.752	17.077
Total Energy Use	17.984	17.266	17.212	17.554	17.742	17.924	18.274	18.563	18.924	19.256	19.605	19.977	20.311
Population (millions)	30.767	31.130	31.495	31.859	32.229	32.603	32.976	33.349	33.726	34.109	34.493	34.879	35.265
US GDP (billion 1996 dollars)	9191	9215	9440	9743	10074	10361	10667	11017	11408	11810	12258	12671	13082
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1578.2	1558.6	1536.2	1567.9	1597.2	1623.7	1662.3	1699.7	1734.5	1765.8	1800.5	1832.6	1862.1

Table 7. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
West South Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption														
Residential														
Distillate Fuel	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.006	-0.5%
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.3%
Liquefied Petroleum Gas	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.022	0.022	0.022	0.023	0.022	-0.7%
Petroleum Subtotal	0.031	0.031	0.031	0.031	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	-0.7%
Natural Gas	0.452	0.455	0.459	0.464	0.467	0.472	0.478	0.485	0.489	0.494	0.501	0.509	0.516	0.9%
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	0.2%
Renewable Energy 1/	0.020	0.020	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.6%
Electricity	0.803	0.819	0.833	0.849	0.860	0.874	0.888	0.902	0.912	0.924	0.938	0.955	0.970	1.9%
Delivered Energy	1.307	1.325	1.344	1.365	1.379	1.398	1.418	1.439	1.452	1.469	1.490	1.516	1.538	1.5%
Electricity Related Losses	1.241	1.236	1.239	1.253	1.252	1.264	1.269	1.280	1.275	1.283	1.283	1.311	1.288	0.0%
Total	2.548	2.561	2.583	2.619	2.631	2.662	2.686	2.719	2.726	2.752	2.772	2.827	2.825	0.8%
Commercial														
Distillate 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	0.5%
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	-9.1%
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	-1.1%
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	0.8%
Motor Gasoline 2/	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-1.4%
Petroleum Subtotal	0.018	0.018	0.018	0.018	0.018	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.4%
Natural Gas	0.361	0.363	0.365	0.367	0.368	0.371	0.374	0.377	0.379	0.382	0.384	0.388	0.392	1.0%
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	0.5%
Renewable Energy 3/	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%
Electricity	0.632	0.644	0.653	0.663	0.672	0.682	0.692	0.701	0.710	0.717	0.725	0.733	0.743	1.8%
Delivered Energy	1.015	1.029	1.041	1.052	1.063	1.075	1.089	1.100	1.111	1.121	1.132	1.143	1.157	1.5%
Electricity Related Losses	0.976	0.971	0.972	0.978	0.978	0.986	0.989	0.994	0.992	0.996	0.992	1.006	0.986	-0.2%
Total	1.991	2.000	2.013	2.030	2.040	2.061	2.077	2.095	2.104	2.118	2.124	2.149	2.144	0.6%
Industrial 4/														
Distillate Fuel	0.256	0.259	0.261	0.264	0.266	0.269	0.272	0.276	0.279	0.283	0.286	0.290	0.294	1.0%
Liquefied Petroleum Gas	2.207	2.241	2.269	2.294	2.330	2.366	2.408	2.445	2.482	2.523	2.560	2.601	2.636	1.8%
Petrochemical Feedstocks	0.710	0.722	0.731	0.739	0.751	0.762	0.775	0.785	0.797	0.810	0.822	0.835	0.847	2.0%
Residual Fuel	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	-0.1%
Motor Gasoline 2/	0.025	0.026	0.026	0.026	0.026	0.027	0.027	0.027	0.028	0.028	0.028	0.029	0.029	1.0%
Other Petroleum 5/	1.259	1.268	1.256	1.265	1.275	1.273	1.277	1.273	1.268	1.267	1.262	1.262	1.261	0.4%
Petroleum Subtotal	4.469	4.527	4.555	4.600	4.660	4.708	4.771	4.820	4.868	4.924	4.972	5.029	5.080	1.4%
Natural Gas	3.309	3.338	3.383	3.404	3.433	3.478	3.530	3.565	3.618	3.672	3.717	3.777	3.828	1.4%
Lease and Plant Fuel 6/	0.681	0.688	0.696	0.698	0.697	0.705	0.714	0.719	0.709	0.702	0.697	0.709	0.713	0.9%
Natural Gas Subtotal	3.990	4.026	4.079	4.102	4.130	4.183	4.244	4.285	4.327	4.373	4.414	4.486	4.541	1.3%
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
Steam Coal	0.094	0.094	0.095	0.095	0.095	0.095	0.096	0.096	0.097	0.097	0.097	0.097	0.098	0.3%
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	0.094	0.094	0.095	0.095	0.095	0.095	0.096	0.096	0.097	0.097	0.097	0.097	0.098	0.3%
Renewable Energy 7/	0.261	0.268	0.274	0.280	0.286	0.292	0.299	0.306	0.312	0.319	0.326	0.334	0.341	2.3%
Electricity	0.652	0.661	0.671	0.679	0.688	0.696	0.707	0.716	0.725	0.736	0.747	0.759	0.770	1.6%

Table 7. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
West South Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Delivered Energy	9.465	9.576	9.673	9.756	9.860	9.975	10.117	10.222	10.329	10.450	10.557	10.706	10.830	1.4%
Electricity Related Losses	1.006	0.998	0.999	1.002	1.002	1.007	1.010	1.015	1.014	1.023	1.022	1.043	1.022	-0.3%
Total	10.472	10.575	10.672	10.758	10.861	10.982	11.127	11.237	11.342	11.473	11.580	11.749	11.852	1.2%
Transportation														
Distillate Fuel 8/	1.244	1.273	1.296	1.318	1.342	1.366	1.394	1.418	1.443	1.473	1.504	1.538	1.569	2.5%
Jet Fuel 9/	1.076	1.109	1.141	1.173	1.205	1.237	1.270	1.301	1.331	1.363	1.395	1.426	1.459	2.3%
Motor Gasoline 2/	2.669	2.726	2.780	2.832	2.882	2.934	2.989	3.036	3.082	3.131	3.185	3.244	3.299	2.2%
Residual Fuel	0.304	0.305	0.307	0.308	0.309	0.310	0.312	0.313	0.315	0.316	0.317	0.319	0.320	0.3%
Liquefied Petroleum Gas	0.007	0.007	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.010	7.3%
Other Petroleum 10/	0.043	0.044	0.044	0.045	0.046	0.047	0.047	0.048	0.048	0.049	0.050	0.051	0.051	1.5%
Petroleum Subtotal	5.343	5.464	5.576	5.683	5.791	5.902	6.020	6.125	6.229	6.342	6.461	6.587	6.708	2.2%
Pipeline Fuel Natural Gas	0.190	0.192	0.195	0.195	0.195	0.197	0.200	0.202	0.199	0.197	0.195	0.199	0.199	1.7%
Compressed Natural Gas	0.009	0.009	0.010	0.010	0.011	0.011	0.012	0.012	0.012	0.012	0.013	0.013	0.013	10.8%
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	9.2%
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	0.012	0.012	0.012	0.013	0.013	0.014	0.014	0.014	0.015	0.015	0.016	0.016	0.017	3.0%
Delivered Energy	5.554	5.678	5.793	5.901	6.010	6.125	6.246	6.354	6.456	6.567	6.685	6.816	6.938	2.2%
Electricity Related Losses	0.018	0.018	0.018	0.019	0.019	0.020	0.020	0.021	0.021	0.021	0.022	0.023	0.022	1.1%
Total	5.572	5.696	5.812	5.920	6.030	6.145	6.266	6.375	6.477	6.589	6.707	6.839	6.961	2.2%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	1.516	1.547	1.573	1.597	1.624	1.651	1.681	1.710	1.738	1.772	1.806	1.844	1.878	2.2%
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	-0.2%
Jet Fuel 9/	1.076	1.109	1.141	1.173	1.205	1.237	1.270	1.301	1.331	1.363	1.395	1.426	1.459	2.3%
Liquefied Petroleum Gas	2.244	2.279	2.306	2.332	2.368	2.404	2.446	2.483	2.521	2.562	2.600	2.640	2.676	1.8%
Motor Gasoline 2/	2.696	2.753	2.807	2.859	2.909	2.962	3.017	3.065	3.111	3.161	3.215	3.274	3.329	2.2%
Petrochemical Feedstocks	0.710	0.722	0.731	0.739	0.751	0.762	0.775	0.785	0.797	0.810	0.822	0.835	0.847	2.0%
Residual Fuel	0.317	0.318	0.319	0.320	0.322	0.323	0.325	0.326	0.328	0.329	0.331	0.332	0.334	0.3%
Other Petroleum 12/	1.300	1.310	1.299	1.308	1.319	1.317	1.322	1.319	1.315	1.314	1.310	1.310	1.310	0.4%
Petroleum Subtotal	9.862	10.040	10.180	10.332	10.500	10.660	10.840	10.993	11.146	11.315	11.481	11.665	11.836	1.8%
Natural Gas	4.131	4.165	4.217	4.246	4.280	4.333	4.394	4.439	4.498	4.560	4.615	4.687	4.749	1.3%
Lease and Plant Fuel 6/	0.681	0.688	0.696	0.698	0.697	0.705	0.714	0.719	0.709	0.702	0.697	0.709	0.713	0.9%
Pipeline Natural Gas	0.190	0.192	0.195	0.195	0.195	0.197	0.200	0.202	0.199	0.197	0.195	0.199	0.199	1.7%
Natural Gas Subtotal	5.001	5.045	5.107	5.139	5.172	5.235	5.308	5.360	5.406	5.459	5.507	5.595	5.661	1.3%
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
Steam Coal	0.095	0.096	0.096	0.096	0.096	0.097	0.097	0.097	0.098	0.098	0.099	0.099	0.099	0.3%
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	0.095	0.096	0.096	0.096	0.096	0.097	0.097	0.097	0.098	0.098	0.099	0.099	0.099	0.3%
Renewable Energy 13/	0.284	0.291	0.298	0.304	0.310	0.317	0.324	0.330	0.337	0.344	0.351	0.359	0.366	2.2%
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	2.099	2.136	2.170	2.204	2.233	2.266	2.301	2.334	2.361	2.392	2.426	2.464	2.501	1.8%
Delivered Energy	17.341	17.609	17.851	18.075	18.312	18.574	18.870	19.115	19.348	19.608	19.864	20.181	20.463	1.6%
Electricity Related Losses	3.241	3.224	3.228	3.252	3.250	3.276	3.287	3.311	3.302	3.324	3.319	3.383	3.319	-0.1%
Total	20.582	20.832	21.078	21.327	21.562	21.850	22.157	22.425	22.650	22.932	23.183	23.564	23.782	1.3%
Electric Generators 14/														
Distillate Fuel	0.020	0.020	0.019	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.1%
Residual Fuel	0.003	0.002	0.001	0.002	0.002	0.001	0.001	0.003	0.003	0.003	0.002	0.003	0.003	-12.1%
Petroleum Subtotal	0.023	0.022	0.021	0.022	0.022	0.021	0.021	0.023	0.023	0.023	0.022	0.023	0.023	-5.3%
Natural Gas	1.966	1.969	2.008	2.050	2.077	2.139	2.183	2.236	2.253	2.304	2.332	2.432	2.393	0.9%
Steam Coal	2.453	2.470	2.469	2.482	2.483	2.479	2.480	2.481	2.483	2.485	2.486	2.487	2.500	0.4%
Nuclear Power	0.753	0.754	0.754	0.755	0.755	0.755	0.755	0.755	0.755	0.755	0.755	0.755	0.755	0.3%
Renewable Energy/Other 15/	0.145	0.145	0.146	0.147	0.147	0.148	0.149	0.149	0.150	0.150	0.150	0.150	0.150	3.1%
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

Table 7. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
West South Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total	5.339	5.359	5.398	5.456	5.484	5.542	5.588	5.644	5.663	5.716	5.745	5.846	5.820	0.6%
Total Energy Consumption														
Distillate Fuel	1.537	1.567	1.593	1.617	1.643	1.670	1.701	1.730	1.758	1.792	1.826	1.864	1.898	2.2%
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	-0.2%
Jet Fuel 9/	1.076	1.109	1.141	1.173	1.205	1.237	1.270	1.301	1.331	1.363	1.395	1.426	1.459	2.3%
Liquefied Petroleum Gas	2.244	2.279	2.306	2.332	2.368	2.404	2.446	2.483	2.521	2.562	2.600	2.640	2.676	1.8%
Motor Gasoline 2/	2.696	2.753	2.807	2.859	2.909	2.962	3.017	3.065	3.111	3.161	3.215	3.274	3.329	2.2%
Petrochemical Feedstocks	0.710	0.722	0.731	0.739	0.751	0.762	0.775	0.785	0.797	0.810	0.822	0.835	0.847	2.0%
Residual Fuel	0.319	0.320	0.321	0.322	0.324	0.324	0.326	0.329	0.331	0.332	0.333	0.335	0.337	-0.5%
Other Petroleum 12/	1.300	1.310	1.299	1.308	1.319	1.317	1.322	1.319	1.315	1.314	1.310	1.310	1.310	0.4%
Petroleum Subtotal	9.885	10.062	10.201	10.354	10.522	10.681	10.862	11.016	11.169	11.338	11.503	11.688	11.859	1.8%
Natural Gas	6.097	6.134	6.225	6.296	6.357	6.472	6.578	6.675	6.751	6.865	6.947	7.119	7.142	1.2%
Lease and Plant Fuel 6/	0.681	0.688	0.696	0.698	0.697	0.705	0.714	0.719	0.709	0.702	0.697	0.709	0.713	0.9%
Pipeline Natural Gas	0.190	0.192	0.195	0.195	0.195	0.197	0.200	0.202	0.199	0.197	0.195	0.199	0.199	1.7%
Natural Gas Subtotal	6.967	7.014	7.115	7.189	7.249	7.374	7.492	7.596	7.659	7.763	7.839	8.027	8.053	1.2%
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
Steam Coal	2.548	2.565	2.565	2.579	2.579	2.576	2.577	2.579	2.581	2.583	2.585	2.586	2.599	0.4%
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	2.548	2.565	2.565	2.579	2.579	2.576	2.577	2.579	2.581	2.583	2.585	2.586	2.599	0.4%
Nuclear Power	0.753	0.754	0.754	0.755	0.755	0.755	0.755	0.755	0.755	0.755	0.755	0.755	0.755	0.3%
Renewable Energy 16/	0.429	0.437	0.444	0.450	0.457	0.465	0.472	0.480	0.486	0.494	0.501	0.509	0.516	2.4%
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 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	20.582	20.832	21.079	21.327	21.562	21.850	22.157	22.425	22.650	22.932	23.183	23.564	23.782	1.3%
Energy Use & Related Statistics														
Delivered Energy Use	17.341	17.609	17.851	18.075	18.312	18.574	18.870	19.115	19.348	19.608	19.864	20.181	20.463	1.6%
Total Energy Use	20.582	20.832	21.078	21.327	21.562	21.850	22.157	22.425	22.650	22.932	23.183	23.564	23.782	1.3%
Population (millions)	35.652	36.039	36.427	36.816	37.205	37.593	37.979	38.363	38.746	39.128	39.510	39.892	40.280	1.1%
US GDP (billion 1996 dollars)	13480	13893	14288	14681	15101	15540	16013	16450	16888	17363	17858	18389	18917	3.0%
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1889.2	1915.7	1944.2	1970.2	1996.8	2024.6	2055.5	2082.5	2108.3	2139.7	2170.8	2204.3	2236.9	1.5%

Table 7. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
West South Central

1/ Includes wood used for residential heating. See Table A18 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 electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.
4/ Fuel consumption includes consumption for combined heat and power, which produces electricity, both for sale to the grid and for own use, and other useful thermal energy.
5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.
6/ Represents natural gas used in the field gathering and processing plant machinery.
7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.
8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.
9/ Includes only kerosene type.
10/ Includes aviation gasoline and lubricants.
11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
12/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.
13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
14/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2000 and 2001 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: 2000 and 2001 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). 2000 and 2001 population and gross domestic product: Global Insight macroeconomic model CTL0802. 2000 and 2001 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2001, DOE/EIA-0573(2001) (Washington, DC, December 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 8. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Mountain

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption													
Residential													
Distillate Fuel	0.009	0.010	0.009	0.010	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.008	0.008
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Liquefied Petroleum Gas	0.027	0.025	0.027	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
Petroleum Subtotal	0.036	0.036	0.037	0.035	0.035	0.035	0.035	0.035	0.035	0.034	0.034	0.034	0.034
Natural Gas	0.343	0.345	0.362	0.383	0.398	0.406	0.417	0.427	0.436	0.444	0.454	0.465	0.478
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
Renewable Energy 1/	0.032	0.031	0.032	0.032	0.032	0.031	0.031	0.031	0.031	0.030	0.030	0.030	0.029
Electricity	0.249	0.256	0.262	0.275	0.283	0.289	0.296	0.303	0.310	0.316	0.322	0.329	0.336
Delivered Energy	0.661	0.668	0.694	0.726	0.749	0.762	0.779	0.796	0.812	0.825	0.841	0.858	0.877
Electricity Related Losses	0.894	0.904	0.930	0.976	1.005	1.019	1.035	1.043	1.033	1.030	1.018	1.018	1.018
Total	1.555	1.573	1.623	1.703	1.753	1.782	1.814	1.838	1.845	1.855	1.859	1.876	1.895
Commercial													
Distillate Fuel	0.013	0.014	0.014	0.014	0.014	0.015	0.015	0.015	0.015	0.015	0.016	0.016	0.016
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
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
Liquefied Petroleum Gas	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
Motor Gasoline 2/	0.002	0.002	0.002	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Petroleum Subtotal	0.019	0.020	0.021	0.019	0.020	0.020	0.021	0.021	0.021	0.021	0.022	0.022	0.022
Natural Gas	0.234	0.244	0.249	0.262	0.270	0.274	0.277	0.282	0.287	0.293	0.301	0.308	0.316
Coal	0.006	0.006	0.007	0.007	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.008
Renewable Energy 3/	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
Electricity	0.237	0.250	0.255	0.262	0.270	0.276	0.282	0.291	0.300	0.311	0.322	0.333	0.344
Delivered Energy	0.501	0.525	0.536	0.555	0.571	0.582	0.592	0.605	0.621	0.638	0.657	0.676	0.694
Electricity Related Losses	0.851	0.884	0.906	0.931	0.958	0.973	0.989	1.001	1.000	1.014	1.018	1.033	1.042
Total	1.353	1.410	1.442	1.486	1.530	1.555	1.581	1.607	1.620	1.652	1.674	1.709	1.736
Industrial 4/													
Distillate Fuel	0.126	0.128	0.123	0.124	0.126	0.128	0.129	0.132	0.135	0.138	0.140	0.142	0.145
Liquefied Petroleum Gas	0.014	0.013	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.015	0.015	0.016
Petrochemical Feedstocks	0.019	0.017	0.018	0.018	0.019	0.019	0.019	0.019	0.020	0.020	0.021	0.022	0.022
Residual Fuel	0.003	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Motor Gasoline 2/	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.015	0.015	0.015	0.015	0.016	0.016
Other Petroleum 5/	0.200	0.206	0.209	0.206	0.196	0.196	0.198	0.203	0.207	0.210	0.213	0.215	0.217
Petroleum Subtotal	0.373	0.375	0.375	0.375	0.360	0.362	0.366	0.375	0.384	0.391	0.397	0.403	0.408
Natural Gas	0.281	0.261	0.281	0.285	0.285	0.286	0.292	0.296	0.299	0.304	0.312	0.320	0.326
Lease and Plant Fuel 6/	0.152	0.156	0.191	0.211	0.217	0.218	0.218	0.215	0.219	0.220	0.226	0.234	0.248
Natural Gas Subtotal	0.433	0.416	0.472	0.495	0.502	0.504	0.510	0.511	0.518	0.523	0.538	0.554	0.574
Metallurgical Coal	0.021	0.019	0.017	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.017	0.017	0.017
Steam Coal	0.102	0.098	0.093	0.096	0.098	0.099	0.100	0.101	0.103	0.104	0.106	0.106	0.108
Net Coal Coke Imports	0.003	0.001	0.001	0.002	0.003	0.003	0.004	0.005	0.005	0.006	0.007	0.008	0.009
Coal Subtotal	0.125	0.118	0.111	0.116	0.119	0.120	0.122	0.124	0.127	0.128	0.130	0.132	0.133
Renewable Energy 7/	0.072	0.070	0.070	0.074	0.076	0.078	0.080	0.083	0.086	0.089	0.093	0.096	0.100
Electricity	0.237	0.224	0.213	0.223	0.228	0.232	0.238	0.245	0.253	0.259	0.266	0.272	0.279
Delivered Energy	1.240	1.204	1.241	1.283	1.285	1.296	1.316	1.338	1.367	1.390	1.423	1.457	1.494
Electricity Related Losses	0.851	0.790	0.754	0.792	0.809	0.818	0.833	0.843	0.841	0.843	0.839	0.844	0.845

Table 8. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Mountain

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total	2.092	1.994	1.995	2.075	2.093	2.115	2.149	2.181	2.208	2.233	2.262	2.301	2.339
Transportation													
Distillate Fuel 8/	0.443	0.452	0.449	0.472	0.495	0.514	0.538	0.563	0.588	0.616	0.645	0.674	0.699
Jet Fuel 9/	0.222	0.212	0.208	0.211	0.213	0.218	0.226	0.233	0.242	0.251	0.259	0.268	0.277
Motor Gasoline 2/	1.062	1.077	1.103	1.140	1.177	1.220	1.267	1.316	1.368	1.420	1.474	1.526	1.577
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
Liquefied Petroleum Gas	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004
Other Petroleum 10/	0.016	0.017	0.018	0.018	0.018	0.018	0.019	0.019	0.020	0.020	0.021	0.021	0.022
Petroleum Subtotal	1.744	1.759	1.779	1.843	1.905	1.973	2.052	2.135	2.221	2.310	2.403	2.493	2.580
Pipeline Fuel Natural Gas	0.109	0.103	0.103	0.117	0.122	0.124	0.127	0.127	0.133	0.136	0.143	0.147	0.155
Compressed Natural Gas	0.000	0.001	0.001	0.002	0.002	0.002	0.003	0.004	0.004	0.005	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
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.007	0.007	0.007
Delivered Energy	1.858	1.867	1.888	1.966	2.034	2.106	2.188	2.272	2.364	2.457	2.558	2.653	2.749
Electricity Related Losses	0.016	0.017	0.018	0.018	0.019	0.019	0.020	0.020	0.020	0.021	0.021	0.021	0.022
Total	1.874	1.884	1.906	1.984	2.052	2.125	2.207	2.292	2.384	2.478	2.579	2.675	2.770
Delivered Energy Consumption, All Sectors													
Distillate Fuel	0.591	0.603	0.595	0.620	0.644	0.665	0.691	0.719	0.748	0.778	0.809	0.840	0.868
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
Jet Fuel 9/	0.222	0.212	0.208	0.211	0.213	0.218	0.226	0.233	0.242	0.251	0.259	0.268	0.277
Liquefied Petroleum Gas	0.046	0.043	0.046	0.044	0.045	0.045	0.045	0.046	0.046	0.047	0.047	0.048	0.049
Motor Gasoline 2/	1.078	1.093	1.120	1.156	1.193	1.236	1.283	1.332	1.384	1.437	1.491	1.543	1.594
Petrochemical Feedstocks	0.019	0.017	0.018	0.018	0.019	0.019	0.019	0.019	0.020	0.020	0.021	0.022	0.022
Residual Fuel	0.003	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Other Petroleum 12/	0.212	0.218	0.221	0.220	0.205	0.206	0.208	0.214	0.218	0.222	0.225	0.228	0.231
Petroleum Subtotal	2.172	2.190	2.212	2.272	2.320	2.391	2.474	2.566	2.661	2.757	2.856	2.952	3.044
Natural Gas	0.859	0.850	0.893	0.931	0.955	0.969	0.989	1.009	1.026	1.046	1.072	1.099	1.127
Lease and Plant Fuel 6/	0.152	0.156	0.191	0.211	0.217	0.218	0.218	0.215	0.219	0.220	0.226	0.234	0.248
Pipeline Natural Gas	0.109	0.103	0.103	0.117	0.122	0.124	0.127	0.127	0.133	0.136	0.143	0.147	0.155
Natural Gas Subtotal	1.119	1.109	1.187	1.258	1.293	1.311	1.334	1.351	1.378	1.401	1.440	1.481	1.530
Metallurgical Coal	0.021	0.019	0.017	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.017	0.017	0.017
Steam Coal	0.109	0.105	0.101	0.103	0.105	0.107	0.107	0.109	0.111	0.112	0.114	0.115	0.116
Net Coal Coke Imports	0.003	0.001	0.001	0.002	0.003	0.003	0.004	0.005	0.005	0.006	0.007	0.008	0.009
Coal Subtotal	0.132	0.125	0.119	0.123	0.126	0.128	0.129	0.132	0.135	0.136	0.138	0.140	0.141
Renewable Energy 13/	0.109	0.106	0.107	0.111	0.113	0.114	0.116	0.119	0.121	0.124	0.128	0.131	0.134
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity	0.728	0.735	0.735	0.766	0.786	0.803	0.822	0.844	0.869	0.892	0.917	0.941	0.965
Delivered Energy	4.261	4.265	4.359	4.530	4.638	4.746	4.875	5.011	5.164	5.310	5.479	5.644	5.814
Electricity Related Losses	2.613	2.595	2.607	2.718	2.791	2.830	2.877	2.907	2.894	2.908	2.896	2.916	2.926
Total	6.874	6.860	6.966	7.248	7.429	7.576	7.752	7.918	8.058	8.218	8.374	8.560	8.740
Electric Generators 14/													
Distillate Fuel	0.001	0.005	0.006	0.008	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Residual Fuel	0.013	0.023	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Petroleum Subtotal	0.013	0.029	0.006	0.008	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010
Natural Gas	0.350	0.420	0.421	0.518	0.531	0.515	0.484	0.398	0.441	0.417	0.428	0.412	0.437
Steam Coal	2.276	2.249	2.214	2.196	2.260	2.318	2.403	2.519	2.483	2.528	2.528	2.568	2.569
Nuclear Power	0.303	0.309	0.311	0.316	0.316	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319
Renewable Energy/Other 15/	0.399	0.324	0.391	0.447	0.462	0.472	0.483	0.506	0.512	0.527	0.528	0.550	0.558
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
Total	3.341	3.330	3.342	3.484	3.577	3.632	3.699	3.751	3.764	3.800	3.812	3.857	3.891

Table 8. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Mountain

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total Energy Consumption													
Distillate Fuel	0.592	0.608	0.601	0.628	0.654	0.675	0.701	0.729	0.758	0.788	0.819	0.850	0.878
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
Jet Fuel 9/	0.222	0.212	0.208	0.211	0.213	0.218	0.226	0.233	0.242	0.251	0.259	0.268	0.277
Liquefied Petroleum Gas	0.046	0.043	0.046	0.044	0.045	0.045	0.045	0.046	0.046	0.047	0.047	0.048	0.049
Motor Gasoline 2/	1.078	1.093	1.120	1.156	1.193	1.236	1.283	1.332	1.384	1.437	1.491	1.543	1.594
Petrochemical Feedstocks	0.019	0.017	0.018	0.018	0.019	0.019	0.019	0.019	0.020	0.020	0.021	0.022	0.022
Residual Fuel	0.015	0.026	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Other Petroleum 12/	0.212	0.218	0.221	0.220	0.205	0.206	0.208	0.214	0.218	0.222	0.225	0.228	0.231
Petroleum Subtotal	2.186	2.218	2.218	2.280	2.330	2.401	2.484	2.576	2.671	2.767	2.866	2.961	3.054
Natural Gas	1.208	1.270	1.314	1.449	1.486	1.484	1.474	1.407	1.467	1.462	1.500	1.511	1.564
Lease and Plant Fuel 6/	0.152	0.156	0.191	0.211	0.217	0.218	0.218	0.215	0.219	0.220	0.226	0.234	0.248
Pipeline Natural Gas	0.109	0.103	0.103	0.117	0.122	0.124	0.127	0.127	0.133	0.136	0.143	0.147	0.155
Natural Gas Subtotal	1.469	1.529	1.608	1.776	1.824	1.825	1.818	1.749	1.818	1.818	1.869	1.893	1.967
Metallurgical Coal	0.021	0.019	0.017	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.017	0.017	0.017
Steam Coal	2.385	2.355	2.315	2.299	2.365	2.424	2.511	2.628	2.594	2.640	2.642	2.682	2.685
Net Coal Coke Imports	0.003	0.001	0.001	0.002	0.003	0.003	0.004	0.005	0.005	0.006	0.007	0.008	0.009
Coal Subtotal	2.408	2.374	2.333	2.319	2.386	2.445	2.532	2.651	2.618	2.664	2.666	2.707	2.710
Nuclear Power	0.303	0.309	0.311	0.316	0.316	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319
Renewable Energy 16/	0.508	0.430	0.498	0.558	0.575	0.587	0.599	0.625	0.634	0.652	0.656	0.681	0.692
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity Imports	0.000	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	6.874	6.861	6.968	7.250	7.431	7.578	7.754	7.920	8.060	8.220	8.376	8.562	8.742
Energy Use & Related Statistics													
Delivered Energy Use	4.261	4.265	4.359	4.530	4.638	4.746	4.875	5.011	5.164	5.310	5.479	5.644	5.814
Total Energy Use	6.874	6.860	6.966	7.248	7.429	7.576	7.752	7.918	8.058	8.218	8.374	8.560	8.740
Population (millions)	17.521	17.870	18.226	18.588	18.954	19.326	19.701	20.082	20.471	20.867	21.270	21.678	22.093
US GDP (billion 1996 dollars)	9191	9215	9440	9743	10074	10361	10667	11017	11408	11810	12258	12671	13082
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1578.2	1558.6	1536.2	1567.9	1597.2	1623.7	1662.3	1699.7	1734.5	1765.8	1800.5	1832.6	1862.1

Table 8. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Mountain

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption														
Residential														
Distillate Fuel	0.008	0.008	0.007	0.007	0.007	0.006	0.006	0.006	0.006	0.005	0.005	0.005	0.004	-3.1%
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	2.9%
Liquefied Petroleum Gas	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.026	0.026	0.1%
Petroleum Subtotal	0.033	0.033	0.033	0.033	0.033	0.033	0.032	0.032	0.032	0.032	0.032	0.032	0.032	-0.5%
Natural Gas	0.488	0.496	0.504	0.513	0.520	0.530	0.540	0.551	0.561	0.572	0.582	0.591	0.597	2.3%
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/	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%
Electricity	0.342	0.348	0.355	0.362	0.368	0.374	0.381	0.388	0.394	0.401	0.408	0.415	0.421	2.1%
Delivered Energy	0.893	0.907	0.921	0.936	0.949	0.965	0.982	1.000	1.014	1.032	1.048	1.065	1.076	2.0%
Electricity Related Losses	1.030	1.027	1.047	1.047	1.060	1.057	1.071	1.072	1.102	1.112	1.136	1.136	1.151	1.0%
Total	1.923	1.934	1.968	1.983	2.009	2.022	2.052	2.072	2.117	2.144	2.185	2.200	2.227	1.5%
Commercial														
Distillate Fuel	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.018	1.2%
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	-3.4%
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	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.8%
Motor Gasoline 2/	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-1.2%
Petroleum Subtotal	0.022	0.022	0.023	0.023	0.023	0.023	0.024	0.024	0.024	0.024	0.024	0.025	0.025	0.9%
Natural Gas	0.324	0.330	0.336	0.343	0.352	0.363	0.372	0.381	0.390	0.400	0.408	0.415	0.423	2.3%
Coal	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.009	1.5%
Renewable Energy 3/	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%
Electricity	0.355	0.365	0.378	0.390	0.404	0.418	0.432	0.444	0.458	0.469	0.482	0.495	0.510	3.0%
Delivered Energy	0.713	0.730	0.749	0.769	0.793	0.817	0.841	0.863	0.885	0.907	0.929	0.949	0.972	2.6%
Electricity Related Losses	1.069	1.078	1.115	1.129	1.166	1.182	1.215	1.227	1.279	1.302	1.344	1.355	1.396	1.9%
Total	1.783	1.808	1.864	1.898	1.959	1.999	2.057	2.090	2.165	2.208	2.273	2.304	2.368	2.2%
Industrial 4/														
Distillate Fuel	0.146	0.148	0.150	0.152	0.154	0.156	0.158	0.161	0.163	0.166	0.168	0.171	0.174	1.3%
Liquefied Petroleum Gas	0.016	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	1.5%
Petrochemical Feedstocks	0.022	0.023	0.023	0.023	0.024	0.024	0.024	0.025	0.025	0.025	0.025	0.026	0.026	1.9%
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	-3.6%
Motor Gasoline 2/	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.019	0.019	1.2%
Other Petroleum 5/	0.219	0.222	0.223	0.226	0.228	0.229	0.233	0.235	0.238	0.241	0.243	0.246	0.249	0.8%
Petroleum Subtotal	0.412	0.417	0.421	0.425	0.431	0.435	0.441	0.447	0.452	0.458	0.464	0.470	0.477	1.0%
Natural Gas	0.331	0.334	0.338	0.341	0.345	0.350	0.355	0.360	0.366	0.372	0.378	0.383	0.389	1.7%
Lease and Plant Fuel 6/	0.261	0.268	0.272	0.272	0.275	0.287	0.296	0.309	0.299	0.292	0.304	0.309	0.303	2.8%
Natural Gas Subtotal	0.592	0.602	0.610	0.613	0.620	0.637	0.652	0.669	0.666	0.664	0.682	0.692	0.692	2.1%
Metallurgical Coal	0.016	0.016	0.016	0.016	0.015	0.015	0.015	0.014	0.014	0.014	0.014	0.013	0.013	-1.5%
Steam Coal	0.109	0.110	0.111	0.112	0.114	0.115	0.116	0.117	0.118	0.119	0.121	0.122	0.124	1.0%
Net Coal Coke Imports	0.009	0.009	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.012	0.012	0.013	10.9%
Coal Subtotal	0.134	0.136	0.137	0.138	0.139	0.140	0.142	0.142	0.144	0.145	0.146	0.148	0.150	1.0%
Renewable Energy 7/	0.103	0.106	0.108	0.111	0.114	0.116	0.120	0.123	0.126	0.129	0.132	0.136	0.138	2.9%
Electricity	0.284	0.290	0.295	0.299	0.304	0.309	0.315	0.320	0.325	0.332	0.339	0.346	0.353	1.9%
Delivered Energy	1.524	1.551	1.572	1.587	1.607	1.637	1.669	1.701	1.712	1.728	1.762	1.793	1.811	1.7%
Electricity Related Losses	0.857	0.856	0.871	0.865	0.876	0.873	0.885	0.884	0.910	0.921	0.944	0.948	0.967	0.8%

Table 8. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Mountain

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total	2.382	2.407	2.442	2.452	2.483	2.511	2.553	2.585	2.623	2.650	2.706	2.741	2.778	1.4%
Transportation														
Distillate Fuel 8/	0.723	0.747	0.768	0.788	0.810	0.832	0.857	0.880	0.903	0.930	0.957	0.987	1.015	3.4%
Jet Fuel 9/	0.287	0.297	0.307	0.318	0.328	0.339	0.350	0.361	0.371	0.382	0.393	0.405	0.416	2.8%
Motor Gasoline 2/	1.628	1.676	1.724	1.770	1.816	1.864	1.915	1.961	2.007	2.055	2.108	2.164	2.218	3.1%
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	N/A
Liquefied Petroleum Gas	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	7.8%
Other Petroleum 10/	0.023	0.023	0.024	0.025	0.025	0.026	0.027	0.027	0.028	0.028	0.029	0.030	0.030	2.5%
Petroleum Subtotal	2.665	2.748	2.828	2.906	2.985	3.067	3.154	3.235	3.315	3.402	3.494	3.593	3.687	3.1%
Pipeline Fuel Natural Gas	0.160	0.164	0.165	0.164	0.164	0.172	0.176	0.184	0.176	0.170	0.177	0.181	0.179	2.3%
Compressed Natural Gas	0.008	0.008	0.009	0.009	0.010	0.010	0.011	0.011	0.012	0.012	0.012	0.013	0.013	12.9%
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	10.2%
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	0.007	0.008	0.008	0.008	0.009	0.009	0.009	0.010	0.010	0.010	0.011	0.011	0.012	3.8%
Delivered Energy	2.840	2.928	3.010	3.087	3.168	3.259	3.351	3.440	3.513	3.595	3.695	3.799	3.891	3.1%
Electricity Related Losses	0.022	0.023	0.023	0.024	0.025	0.025	0.026	0.027	0.028	0.029	0.030	0.031	0.032	2.7%
Total	2.863	2.951	3.033	3.111	3.193	3.284	3.377	3.466	3.541	3.624	3.725	3.830	3.923	3.1%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	0.893	0.919	0.941	0.963	0.987	1.012	1.039	1.064	1.089	1.118	1.148	1.181	1.212	3.0%
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	1.5%
Jet Fuel 9/	0.287	0.297	0.307	0.318	0.328	0.339	0.350	0.361	0.371	0.382	0.393	0.405	0.416	2.8%
Liquefied Petroleum Gas	0.049	0.050	0.050	0.051	0.051	0.052	0.052	0.053	0.053	0.054	0.055	0.055	0.056	1.1%
Motor Gasoline 2/	1.646	1.694	1.742	1.789	1.835	1.883	1.934	1.980	2.026	2.075	2.128	2.184	2.239	3.0%
Petrochemical Feedstocks	0.022	0.023	0.023	0.023	0.024	0.024	0.024	0.025	0.025	0.025	0.025	0.026	0.026	1.9%
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	-3.6%
Other Petroleum 12/	0.233	0.236	0.238	0.241	0.244	0.246	0.250	0.253	0.256	0.259	0.262	0.265	0.269	0.9%
Petroleum Subtotal	3.132	3.221	3.305	3.387	3.471	3.558	3.651	3.738	3.823	3.917	4.014	4.120	4.221	2.8%
Natural Gas	1.150	1.168	1.187	1.207	1.227	1.253	1.278	1.303	1.329	1.356	1.380	1.403	1.422	2.2%
Lease and Plant Fuel 6/	0.261	0.268	0.272	0.272	0.275	0.287	0.296	0.309	0.299	0.292	0.304	0.309	0.303	2.8%
Pipeline Natural Gas	0.160	0.164	0.165	0.164	0.164	0.172	0.176	0.184	0.176	0.170	0.177	0.181	0.179	2.3%
Natural Gas Subtotal	1.571	1.600	1.624	1.642	1.667	1.712	1.751	1.796	1.804	1.818	1.860	1.893	1.904	2.3%
Metallurgical Coal	0.016	0.016	0.016	0.016	0.015	0.015	0.015	0.014	0.014	0.014	0.014	0.013	0.013	-1.5%
Steam Coal	0.117	0.119	0.120	0.121	0.123	0.124	0.125	0.126	0.128	0.129	0.131	0.132	0.134	1.0%
Net Coal Coke Imports	0.009	0.009	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.012	0.012	0.013	10.9%
Coal Subtotal	0.143	0.144	0.146	0.147	0.148	0.149	0.151	0.152	0.153	0.154	0.156	0.158	0.160	1.0%
Renewable Energy 13/	0.137	0.140	0.142	0.144	0.147	0.149	0.152	0.155	0.158	0.161	0.164	0.167	0.170	2.0%
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	0.988	1.011	1.035	1.059	1.084	1.110	1.137	1.162	1.187	1.212	1.240	1.268	1.296	2.4%
Delivered Energy	5.971	6.116	6.251	6.379	6.517	6.678	6.842	7.003	7.125	7.262	7.434	7.606	7.750	2.5%
Electricity Related Losses	2.979	2.984	3.057	3.065	3.127	3.138	3.196	3.210	3.320	3.364	3.455	3.470	3.546	1.3%
Total	8.950	9.100	9.308	9.444	9.644	9.816	10.039	10.213	10.445	10.626	10.889	11.075	11.296	2.1%
Electric Generators 14/														
Distillate Fuel	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	2.8%
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
Petroleum Subtotal	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	-4.3%
Natural Gas	0.406	0.394	0.330	0.346	0.314	0.328	0.300	0.321	0.373	0.401	0.389	0.401	0.380	-0.4%
Steam Coal	2.647	2.682	2.830	2.846	2.955	2.977	3.079	3.097	3.169	3.210	3.331	3.361	3.481	1.8%
Nuclear Power	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.1%
Renewable Energy/Other 15/	0.586	0.591	0.604	0.604	0.614	0.614	0.626	0.626	0.637	0.637	0.646	0.647	0.652	3.0%
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	3.966	3.995	4.092	4.124	4.211	4.248	4.334	4.372	4.507	4.577	4.695	4.738	4.842	1.6%

Table 8. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Mountain

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total Energy Consumption														
Distillate Fuel	0.903	0.928	0.951	0.973	0.997	1.021	1.048	1.074	1.099	1.128	1.158	1.191	1.221	3.0%
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	1.5%
Jet Fuel 9/	0.287	0.297	0.307	0.318	0.328	0.339	0.350	0.361	0.371	0.382	0.393	0.405	0.416	2.8%
Liquefied Petroleum Gas	0.049	0.050	0.050	0.051	0.051	0.052	0.052	0.053	0.053	0.054	0.055	0.055	0.056	1.1%
Motor Gasoline 2/	1.646	1.694	1.742	1.789	1.835	1.883	1.934	1.980	2.026	2.075	2.128	2.184	2.239	3.0%
Petrochemical Feedstocks	0.022	0.023	0.023	0.023	0.024	0.024	0.024	0.025	0.025	0.025	0.025	0.026	0.026	1.9%
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	-13.0%
Other Petroleum 12/	0.233	0.236	0.238	0.241	0.244	0.246	0.250	0.253	0.256	0.259	0.262	0.265	0.269	0.9%
Petroleum Subtotal	3.142	3.231	3.314	3.397	3.481	3.568	3.661	3.748	3.833	3.926	4.024	4.129	4.231	2.7%
Natural Gas	1.556	1.563	1.517	1.553	1.541	1.581	1.578	1.624	1.702	1.756	1.768	1.804	1.801	1.5%
Lease and Plant Fuel 6/	0.261	0.268	0.272	0.272	0.275	0.287	0.296	0.309	0.299	0.292	0.304	0.309	0.303	2.8%
Pipeline Natural Gas	0.160	0.164	0.165	0.164	0.164	0.172	0.176	0.184	0.176	0.170	0.177	0.181	0.179	2.3%
Natural Gas Subtotal	1.977	1.994	1.954	1.989	1.981	2.040	2.051	2.117	2.177	2.218	2.249	2.294	2.283	1.7%
Metallurgical Coal	0.016	0.016	0.016	0.016	0.015	0.015	0.015	0.014	0.014	0.014	0.014	0.013	0.013	-1.5%
Steam Coal	2.764	2.801	2.950	2.967	3.078	3.101	3.205	3.223	3.297	3.340	3.462	3.493	3.615	1.8%
Net Coal Coke Imports	0.009	0.009	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.012	0.012	0.013	10.9%
Coal Subtotal	2.789	2.826	2.975	2.992	3.103	3.126	3.230	3.249	3.322	3.365	3.487	3.518	3.641	1.8%
Nuclear Power	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.319	0.1%
Renewable Energy 16/	0.723	0.731	0.746	0.748	0.761	0.763	0.778	0.781	0.794	0.797	0.810	0.814	0.822	2.7%
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	0.000	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	8.951	9.102	9.309	9.446	9.645	9.817	10.040	10.214	10.446	10.627	10.890	11.076	11.296	2.1%
Energy Use & Related Statistics														
Delivered Energy Use	5.971	6.116	6.251	6.379	6.517	6.678	6.842	7.003	7.125	7.262	7.434	7.606	7.750	2.5%
Total Energy Use	8.950	9.100	9.308	9.444	9.644	9.816	10.039	10.213	10.445	10.626	10.889	11.075	11.296	2.1%
Population (millions)	22.515	22.942	23.375	23.814	24.258	24.706	25.159	25.616	26.079	26.547	27.022	27.502	27.993	1.9%
US GDP (billion 1996 dollars)	13480	13893	14288	14681	15101	15540	16013	16450	16888	17363	17858	18389	18917	3.0%
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1889.2	1915.7	1944.2	1970.2	1996.8	2024.6	2055.5	2082.5	2108.3	2139.7	2170.8	2204.3	2236.9	1.5%

Table 8. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Mountain

1/ Includes wood used for residential heating. See Table A18 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 electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.
4/ Fuel consumption includes consumption for combined heat and power, which produces electricity, both for sale to the grid and for own use, and other useful thermal energy.
5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.
6/ Represents natural gas used in the field gathering and processing plant machinery.
7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.
8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.
9/ Includes only kerosene type.
10/ Includes aviation gasoline and lubricants.
11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
12/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.
13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
14/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2000 and 2001 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: 2000 and 2001 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). 2000 and 2001 population and gross domestic product: Global Insight macroeconomic model CTL0802. 2000 and 2001 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2001, DOE/EIA-0573(2001) (Washington, DC, December 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 9. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Pacific

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption													
Residential													
Distillate Fuel	0.020	0.023	0.022	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.022	0.022
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
Liquefied Petroleum Gas	0.029	0.027	0.028	0.025	0.025	0.025	0.025	0.024	0.024	0.024	0.023	0.023	0.023
Petroleum Subtotal	0.051	0.052	0.052	0.050	0.050	0.050	0.050	0.049	0.049	0.048	0.048	0.047	0.047
Natural Gas	0.659	0.655	0.675	0.701	0.715	0.717	0.724	0.731	0.739	0.742	0.748	0.756	0.766
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
Renewable Energy 1/	0.068	0.068	0.070	0.070	0.071	0.071	0.072	0.072	0.073	0.073	0.074	0.074	0.075
Electricity	0.464	0.453	0.454	0.472	0.482	0.487	0.492	0.496	0.501	0.503	0.506	0.509	0.516
Delivered Energy	1.243	1.229	1.252	1.294	1.319	1.327	1.339	1.350	1.363	1.367	1.376	1.388	1.405
Electricity Related Losses	0.730	0.642	0.685	0.691	0.711	0.730	0.746	0.749	0.764	0.771	0.779	0.787	0.796
Total	1.973	1.871	1.937	1.985	2.030	2.058	2.085	2.098	2.126	2.138	2.156	2.174	2.201
Commercial													
Distillate Fuel	0.023	0.024	0.024	0.023	0.025	0.026	0.027	0.028	0.028	0.029	0.030	0.031	0.032
Residual Fuel	0.003	0.003	0.001	0.002	0.003	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Kerosene	0.001	0.001	0.000	0.000	0.001	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001
Liquefied Petroleum Gas	0.006	0.005	0.006	0.005	0.006	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006
Motor Gasoline 2/	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
Petroleum Subtotal	0.035	0.036	0.035	0.034	0.037	0.036	0.037	0.038	0.039	0.040	0.041	0.042	0.043
Natural Gas	0.377	0.401	0.396	0.407	0.416	0.422	0.428	0.434	0.439	0.444	0.450	0.457	0.466
Coal	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.010	0.010	0.010
Renewable Energy 3/	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
Electricity	0.598	0.599	0.596	0.621	0.648	0.669	0.688	0.707	0.725	0.744	0.764	0.785	0.809
Delivered Energy	1.037	1.063	1.053	1.087	1.127	1.153	1.180	1.205	1.229	1.254	1.281	1.311	1.345
Electricity Related Losses	0.940	0.851	0.900	0.910	0.955	1.003	1.043	1.067	1.105	1.141	1.176	1.213	1.250
Total	1.977	1.913	1.953	1.997	2.082	2.156	2.223	2.272	2.335	2.396	2.458	2.524	2.595
Industrial 4/													
Distillate Fuel	0.090	0.091	0.088	0.089	0.089	0.090	0.091	0.093	0.095	0.097	0.098	0.100	0.102
Liquefied Petroleum Gas	0.032	0.034	0.035	0.036	0.086	0.086	0.088	0.088	0.087	0.091	0.097	0.105	0.110
Petrochemical Feedstocks	0.013	0.011	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.014	0.014	0.015	0.015
Residual Fuel	0.012	0.012	0.011	0.012	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008
Motor Gasoline 2/	0.016	0.016	0.017	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.018	0.018	0.018
Other Petroleum 5/	0.658	0.654	0.668	0.658	0.687	0.679	0.677	0.677	0.671	0.675	0.692	0.699	0.706
Petroleum Subtotal	0.822	0.819	0.830	0.823	0.889	0.882	0.884	0.888	0.884	0.894	0.920	0.936	0.950
Natural Gas	1.353	1.240	1.338	1.356	1.243	1.248	1.263	1.282	1.294	1.316	1.343	1.369	1.393
Lease and Plant Fuel 6/	0.343	0.352	0.337	0.344	0.360	0.368	0.371	0.372	0.374	0.377	0.381	0.385	0.389
Natural Gas Subtotal	1.696	1.592	1.675	1.700	1.603	1.616	1.634	1.653	1.669	1.694	1.723	1.754	1.782
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
Steam Coal	0.070	0.068	0.065	0.066	0.068	0.069	0.069	0.070	0.072	0.072	0.073	0.074	0.075
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
Coal Subtotal	0.070	0.068	0.065	0.066	0.068	0.069	0.069	0.070	0.072	0.072	0.073	0.074	0.075
Renewable Energy 7/	0.276	0.266	0.264	0.275	0.284	0.291	0.297	0.306	0.314	0.325	0.337	0.349	0.359
Electricity	0.416	0.392	0.373	0.391	0.412	0.419	0.429	0.440	0.453	0.463	0.478	0.490	0.501
Delivered Energy	3.280	3.137	3.207	3.256	3.255	3.276	3.314	3.357	3.392	3.447	3.531	3.604	3.668
Electricity Related Losses	0.654	0.557	0.563	0.573	0.607	0.628	0.650	0.665	0.691	0.711	0.736	0.757	0.774

Table 9. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Pacific

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total	3.934	3.694	3.770	3.830	3.863	3.904	3.963	4.022	4.083	4.159	4.267	4.361	4.442
Transportation													
Distillate Fuel 8/	0.590	0.601	0.598	0.624	0.647	0.666	0.690	0.714	0.738	0.764	0.792	0.818	0.841
Jet Fuel 9/	0.940	0.900	0.883	0.880	0.879	0.899	0.927	0.952	0.981	1.013	1.040	1.068	1.098
Motor Gasoline 2/	2.369	2.401	2.459	2.506	2.554	2.617	2.688	2.764	2.844	2.924	3.007	3.085	3.160
Residual Fuel	0.295	0.278	0.261	0.271	0.271	0.272	0.273	0.274	0.275	0.276	0.277	0.277	0.278
Liquefied Petroleum Gas	0.003	0.003	0.004	0.005	0.005	0.006	0.007	0.007	0.008	0.008	0.009	0.009	0.010
Other Petroleum 10/	0.036	0.039	0.039	0.040	0.040	0.040	0.040	0.040	0.041	0.041	0.042	0.042	0.043
Petroleum Subtotal	4.233	4.221	4.245	4.324	4.397	4.501	4.624	4.752	4.887	5.026	5.166	5.300	5.430
Pipeline Fuel Natural Gas	0.036	0.035	0.032	0.033	0.033	0.035	0.037	0.038	0.041	0.043	0.046	0.047	0.049
Compressed Natural Gas	0.001	0.002	0.002	0.003	0.004	0.005	0.006	0.006	0.007	0.008	0.009	0.010	0.010
Renewable Energy (E85) 11/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity	0.012	0.012	0.012	0.013	0.013	0.013	0.014	0.014	0.015	0.015	0.015	0.016	0.016
Delivered Energy	4.282	4.270	4.292	4.373	4.448	4.554	4.681	4.811	4.950	5.092	5.237	5.373	5.506
Electricity Related Losses	0.018	0.017	0.019	0.019	0.019	0.020	0.021	0.021	0.022	0.023	0.024	0.025	0.025
Total	4.300	4.287	4.311	4.392	4.467	4.574	4.701	4.833	4.972	5.115	5.260	5.398	5.531
Delivered Energy Consumption, All Sectors													
Distillate Fuel	0.723	0.739	0.731	0.759	0.784	0.805	0.831	0.858	0.884	0.913	0.943	0.971	0.996
Kerosene	0.004	0.005	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Jet Fuel 9/	0.940	0.900	0.883	0.880	0.879	0.899	0.927	0.952	0.981	1.013	1.040	1.068	1.098
Liquefied Petroleum Gas	0.070	0.069	0.073	0.071	0.122	0.123	0.125	0.126	0.125	0.128	0.135	0.142	0.148
Motor Gasoline 2/	2.389	2.421	2.480	2.525	2.573	2.636	2.707	2.784	2.864	2.945	3.028	3.106	3.181
Petrochemical Feedstocks	0.013	0.011	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.014	0.014	0.015	0.015
Residual Fuel	0.310	0.293	0.274	0.284	0.281	0.280	0.282	0.283	0.284	0.285	0.286	0.287	0.288
Other Petroleum 12/	0.693	0.690	0.705	0.696	0.717	0.709	0.708	0.708	0.703	0.707	0.724	0.732	0.739
Petroleum Subtotal	5.142	5.128	5.162	5.231	5.373	5.469	5.596	5.728	5.860	6.008	6.175	6.326	6.469
Natural Gas	2.390	2.297	2.410	2.467	2.378	2.392	2.421	2.453	2.479	2.509	2.549	2.592	2.635
Lease and Plant Fuel 6/	0.343	0.352	0.337	0.344	0.360	0.368	0.371	0.372	0.374	0.377	0.381	0.385	0.389
Pipeline Natural Gas	0.036	0.035	0.032	0.033	0.033	0.035	0.037	0.038	0.041	0.043	0.046	0.047	0.049
Natural Gas Subtotal	2.768	2.684	2.780	2.843	2.771	2.795	2.828	2.863	2.894	2.930	2.975	3.023	3.073
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
Steam Coal	0.080	0.078	0.075	0.076	0.078	0.079	0.079	0.081	0.082	0.083	0.084	0.085	0.086
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
Coal Subtotal	0.080	0.078	0.075	0.076	0.078	0.079	0.079	0.081	0.082	0.083	0.084	0.085	0.086
Renewable Energy 13/	0.362	0.352	0.352	0.363	0.373	0.380	0.387	0.396	0.405	0.416	0.430	0.442	0.453
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity	1.489	1.456	1.435	1.497	1.555	1.589	1.623	1.657	1.693	1.725	1.762	1.801	1.843
Delivered Energy	9.841	9.698	9.804	10.011	10.149	10.311	10.513	10.723	10.934	11.161	11.425	11.676	11.923
Electricity Related Losses	2.342	2.067	2.168	2.193	2.293	2.381	2.459	2.502	2.582	2.647	2.715	2.781	2.846
Total	12.184	11.765	11.971	12.204	12.442	12.692	12.973	13.225	13.516	13.808	14.140	14.457	14.769
Electric Generators 14/													
Distillate Fuel	0.013	0.051	0.007	0.008	0.008	0.009	0.009	0.009	0.009	0.011	0.024	0.039	0.027
Residual Fuel	0.108	0.080	0.053	0.061	0.063	0.059	0.058	0.060	0.061	0.062	0.064	0.065	0.066
Petroleum Subtotal	0.121	0.131	0.059	0.069	0.071	0.067	0.067	0.069	0.070	0.074	0.088	0.104	0.093
Natural Gas	1.093	1.178	1.087	0.954	1.051	1.117	1.149	1.199	1.306	1.382	1.469	1.536	1.651
Steam Coal	0.187	0.185	0.150	0.150	0.155	0.158	0.161	0.164	0.163	0.163	0.163	0.163	0.163
Nuclear Power	0.440	0.448	0.450	0.450	0.452	0.456	0.460	0.460	0.461	0.462	0.462	0.463	0.464
Renewable Energy/Other 15/	2.024	1.668	1.968	2.209	2.248	2.304	2.340	2.370	2.389	2.396	2.414	2.432	2.438
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
Total	3.832	3.523	3.603	3.690	3.848	3.970	4.083	4.158	4.276	4.372	4.478	4.582	4.689

Table 9. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Pacific

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total Energy Consumption													
Distillate Fuel	0.736	0.790	0.738	0.767	0.792	0.814	0.839	0.867	0.894	0.924	0.967	1.011	1.023
Kerosene	0.004	0.005	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Jet Fuel 9/	0.940	0.900	0.883	0.880	0.879	0.899	0.927	0.952	0.981	1.013	1.040	1.068	1.098
Liquefied Petroleum Gas	0.070	0.069	0.073	0.071	0.122	0.123	0.125	0.126	0.125	0.128	0.135	0.142	0.148
Motor Gasoline 2/	2.389	2.421	2.480	2.525	2.573	2.636	2.707	2.784	2.864	2.945	3.028	3.106	3.181
Petrochemical Feedstocks	0.013	0.011	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.014	0.014	0.015	0.015
Residual Fuel	0.418	0.372	0.327	0.345	0.344	0.339	0.340	0.343	0.345	0.348	0.350	0.352	0.354
Other Petroleum 12/	0.693	0.690	0.705	0.696	0.717	0.709	0.708	0.708	0.703	0.707	0.724	0.732	0.739
Petroleum Subtotal	5.263	5.259	5.221	5.300	5.444	5.536	5.663	5.796	5.930	6.082	6.263	6.430	6.562
Natural Gas	3.483	3.475	3.498	3.421	3.429	3.509	3.570	3.652	3.785	3.891	4.018	4.128	4.286
Lease and Plant Fuel 6/	0.343	0.352	0.337	0.344	0.360	0.368	0.371	0.372	0.374	0.377	0.381	0.385	0.389
Pipeline Natural Gas	0.036	0.035	0.032	0.033	0.033	0.035	0.037	0.038	0.041	0.043	0.046	0.047	0.049
Natural Gas Subtotal	3.861	3.862	3.868	3.797	3.822	3.912	3.977	4.062	4.200	4.312	4.444	4.560	4.724
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
Steam Coal	0.267	0.263	0.224	0.226	0.232	0.237	0.241	0.245	0.245	0.246	0.247	0.248	0.249
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
Coal Subtotal	0.267	0.263	0.224	0.226	0.232	0.237	0.241	0.245	0.245	0.246	0.247	0.248	0.249
Nuclear Power	0.440	0.448	0.450	0.450	0.452	0.456	0.460	0.460	0.461	0.462	0.462	0.463	0.464
Renewable Energy 16/	2.386	2.019	2.320	2.572	2.620	2.684	2.727	2.765	2.794	2.812	2.843	2.873	2.890
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Electricity Imports	0.000	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	12.217	11.851	12.083	12.346	12.571	12.826	13.067	13.328	13.629	13.912	14.260	14.574	14.889
Energy Use & Related Statistics													
Delivered Energy Use	9.841	9.698	9.804	10.011	10.149	10.311	10.513	10.723	10.934	11.161	11.425	11.676	11.923
Total Energy Use	12.184	11.765	11.971	12.204	12.442	12.692	12.973	13.225	13.516	13.808	14.140	14.457	14.769
Population (millions)	44.651	45.175	45.693	46.215	46.741	47.271	47.799	48.328	48.862	49.402	49.943	50.487	51.036
US GDP (billion 1996 dollars)	9191	9215	9440	9743	10074	10361	10667	11017	11408	11810	12258	12671	13082
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1578.2	1558.6	1536.2	1567.9	1597.2	1623.7	1662.3	1699.7	1734.5	1765.8	1800.5	1832.6	1862.1

Table 9. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Pacific

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption														
Residential														
Distillate Fuel	0.022	0.022	0.021	0.021	0.021	0.021	0.020	0.020	0.020	0.020	0.019	0.019	0.019	-0.8%
Kerosene	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	1.4%
Liquefied Petroleum Gas	0.022	0.022	0.022	0.022	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	-1.1%
Petroleum Subtotal	0.046	0.046	0.045	0.045	0.045	0.044	0.044	0.044	0.044	0.043	0.043	0.043	0.042	-0.8%
Natural Gas	0.773	0.780	0.785	0.793	0.798	0.806	0.814	0.825	0.833	0.842	0.851	0.860	0.864	1.2%
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/	0.075	0.076	0.076	0.077	0.077	0.078	0.078	0.079	0.079	0.079	0.080	0.080	0.081	0.7%
Electricity	0.519	0.523	0.526	0.531	0.533	0.537	0.541	0.547	0.550	0.554	0.557	0.562	0.564	0.9%
Delivered Energy	1.415	1.425	1.435	1.447	1.454	1.466	1.479	1.496	1.506	1.519	1.532	1.547	1.553	1.0%
Electricity Related Losses	0.798	0.808	0.806	0.824	0.822	0.838	0.856	0.877	0.874	0.881	0.879	0.892	0.888	1.4%
Total	2.212	2.233	2.240	2.272	2.276	2.304	2.335	2.373	2.380	2.400	2.411	2.438	2.441	1.1%
Commercial														
Distillate Fuel	0.032	0.033	0.034	0.035	0.036	0.036	0.037	0.038	0.039	0.040	0.041	0.041	0.042	2.5%
Residual Fuel	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	-0.1%
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	-0.2%
Liquefied Petroleum Gas	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	0.7%
Motor Gasoline 2/	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	-0.9%
Petroleum Subtotal	0.044	0.045	0.045	0.046	0.047	0.048	0.049	0.050	0.051	0.052	0.053	0.054	0.055	1.8%
Natural Gas	0.475	0.484	0.494	0.504	0.515	0.527	0.539	0.552	0.567	0.581	0.593	0.604	0.614	1.8%
Coal	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.012	0.012	1.2%
Renewable Energy 3/	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.0%
Electricity	0.834	0.860	0.884	0.908	0.934	0.961	0.990	1.019	1.048	1.077	1.107	1.137	1.167	2.8%
Delivered Energy	1.381	1.416	1.450	1.486	1.524	1.565	1.607	1.650	1.695	1.739	1.782	1.824	1.866	2.4%
Electricity Related Losses	1.283	1.329	1.353	1.411	1.442	1.501	1.566	1.634	1.667	1.715	1.746	1.803	1.838	3.3%
Total	2.664	2.745	2.803	2.897	2.966	3.066	3.173	3.284	3.362	3.453	3.528	3.626	3.703	2.8%
Industrial 4/														
Distillate Fuel	0.103	0.104	0.105	0.106	0.108	0.109	0.111	0.113	0.115	0.116	0.118	0.120	0.122	1.2%
Liquefied Petroleum Gas	0.115	0.119	0.121	0.124	0.122	0.122	0.126	0.129	0.128	0.128	0.126	0.129	0.129	5.7%
Petrochemical Feedstocks	0.015	0.015	0.016	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.017	0.018	1.9%
Residual Fuel	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	-1.4%
Motor Gasoline 2/	0.019	0.019	0.019	0.019	0.019	0.020	0.020	0.020	0.021	0.021	0.021	0.021	0.022	1.2%
Other Petroleum 5/	0.706	0.709	0.704	0.710	0.717	0.722	0.727	0.734	0.744	0.754	0.762	0.767	0.777	0.7%
Petroleum Subtotal	0.957	0.965	0.965	0.975	0.982	0.989	1.000	1.012	1.023	1.036	1.044	1.054	1.067	1.1%
Natural Gas	1.413	1.432	1.454	1.463	1.485	1.510	1.537	1.561	1.582	1.611	1.641	1.671	1.695	1.3%
Lease and Plant Fuel 6/	0.393	0.398	0.403	0.406	0.411	0.414	0.416	0.418	0.488	0.560	0.564	0.568	0.587	2.2%
Natural Gas Subtotal	1.806	1.830	1.857	1.869	1.896	1.924	1.953	1.979	2.070	2.171	2.205	2.239	2.282	1.5%
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
Steam Coal	0.075	0.076	0.077	0.078	0.079	0.079	0.080	0.081	0.082	0.083	0.084	0.085	0.086	1.0%
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	0.075	0.076	0.077	0.078	0.079	0.079	0.080	0.081	0.082	0.083	0.084	0.085	0.086	1.0%
Renewable Energy 7/	0.369	0.379	0.388	0.395	0.404	0.413	0.423	0.432	0.441	0.451	0.461	0.472	0.481	2.5%
Electricity	0.512	0.523	0.531	0.538	0.547	0.556	0.566	0.575	0.584	0.595	0.607	0.620	0.631	2.0%
Delivered Energy	3.719	3.773	3.817	3.855	3.907	3.962	4.023	4.079	4.201	4.337	4.401	4.469	4.546	1.6%
Electricity Related Losses	0.787	0.808	0.813	0.836	0.844	0.868	0.895	0.922	0.929	0.948	0.958	0.983	0.994	2.4%

Table 9. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Pacific

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total	4.506	4.582	4.630	4.692	4.751	4.830	4.918	5.001	5.130	5.284	5.358	5.451	5.540	1.7%
Transportation														
Distillate Fuel 8/	0.861	0.881	0.897	0.912	0.929	0.947	0.966	0.983	1.000	1.020	1.040	1.063	1.083	2.5%
Jet Fuel 9/	1.130	1.162	1.194	1.225	1.257	1.290	1.321	1.352	1.381	1.412	1.443	1.473	1.505	2.2%
Motor Gasoline 2/	3.233	3.301	3.365	3.427	3.487	3.549	3.616	3.673	3.730	3.790	3.856	3.929	3.996	2.1%
Residual Fuel	0.279	0.280	0.280	0.281	0.282	0.283	0.284	0.285	0.286	0.287	0.288	0.288	0.289	0.2%
Liquefied Petroleum Gas	0.010	0.011	0.011	0.012	0.012	0.013	0.013	0.013	0.014	0.014	0.014	0.015	0.015	6.9%
Other Petroleum 10/	0.043	0.044	0.044	0.045	0.046	0.046	0.047	0.047	0.048	0.048	0.048	0.049	0.049	1.0%
Petroleum Subtotal	5.556	5.678	5.792	5.902	6.013	6.128	6.247	6.353	6.457	6.570	6.689	6.817	6.937	2.1%
Pipeline Fuel Natural Gas	0.050	0.051	0.052	0.055	0.057	0.058	0.059	0.059	0.099	0.141	0.141	0.142	0.152	6.4%
Compressed Natural Gas	0.011	0.012	0.012	0.013	0.013	0.014	0.014	0.014	0.015	0.015	0.015	0.016	0.016	10.1%
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	9.2%
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	0.017	0.017	0.018	0.018	0.019	0.020	0.020	0.021	0.022	0.022	0.023	0.024	0.024	3.0%
Delivered Energy	5.635	5.759	5.875	5.989	6.103	6.219	6.341	6.448	6.594	6.749	6.870	7.000	7.131	2.2%
Electricity Related Losses	0.026	0.027	0.027	0.029	0.029	0.031	0.032	0.034	0.034	0.036	0.036	0.038	0.038	3.4%
Total	5.661	5.786	5.903	6.018	6.132	6.250	6.373	6.482	6.628	6.784	6.906	7.037	7.170	2.2%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	1.018	1.039	1.058	1.075	1.094	1.113	1.134	1.154	1.173	1.195	1.218	1.243	1.266	2.3%
Kerosene	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	0.6%
Jet Fuel 9/	1.130	1.162	1.194	1.225	1.257	1.290	1.321	1.352	1.381	1.412	1.443	1.473	1.505	2.2%
Liquefied Petroleum Gas	0.153	0.157	0.160	0.163	0.161	0.162	0.166	0.169	0.169	0.169	0.168	0.171	0.171	3.8%
Motor Gasoline 2/	3.255	3.323	3.387	3.450	3.510	3.572	3.639	3.697	3.753	3.814	3.881	3.953	4.021	2.1%
Petrochemical Feedstocks	0.015	0.015	0.016	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.017	0.018	1.9%
Residual Fuel	0.289	0.290	0.291	0.291	0.292	0.293	0.295	0.296	0.296	0.298	0.299	0.300	0.301	0.1%
Other Petroleum 12/	0.739	0.743	0.738	0.745	0.753	0.758	0.764	0.770	0.781	0.791	0.799	0.804	0.815	0.7%
Petroleum Subtotal	6.603	6.734	6.848	6.969	7.087	7.209	7.340	7.459	7.575	7.701	7.829	7.967	8.102	1.9%
Natural Gas	2.672	2.708	2.746	2.773	2.811	2.856	2.904	2.952	2.997	3.049	3.101	3.151	3.189	1.4%
Lease and Plant Fuel 6/	0.393	0.398	0.403	0.406	0.411	0.414	0.416	0.418	0.488	0.560	0.564	0.568	0.587	2.2%
Pipeline Natural Gas	0.050	0.051	0.052	0.055	0.057	0.058	0.059	0.059	0.099	0.141	0.141	0.142	0.152	6.4%
Natural Gas Subtotal	3.115	3.157	3.200	3.234	3.278	3.328	3.379	3.430	3.584	3.750	3.806	3.861	3.928	1.6%
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
Steam Coal	0.086	0.088	0.089	0.089	0.090	0.091	0.092	0.093	0.094	0.095	0.096	0.097	0.099	1.0%
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	0.086	0.088	0.089	0.089	0.090	0.091	0.092	0.093	0.094	0.095	0.096	0.097	0.099	1.0%
Renewable Energy 13/	0.463	0.474	0.483	0.491	0.500	0.510	0.520	0.530	0.539	0.550	0.560	0.571	0.580	2.1%
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	1.882	1.922	1.959	1.995	2.032	2.074	2.118	2.162	2.204	2.248	2.294	2.343	2.388	2.1%
Delivered Energy	12.149	12.373	12.578	12.778	12.988	13.211	13.449	13.673	13.995	14.343	14.584	14.839	15.096	1.9%
Electricity Related Losses	2.893	2.973	2.999	3.101	3.137	3.238	3.349	3.466	3.505	3.579	3.620	3.714	3.759	2.5%
Total	15.043	15.346	15.577	15.878	16.125	16.449	16.798	17.139	17.501	17.922	18.204	18.553	18.854	2.0%
Electric Generators 14/														
Distillate Fuel	0.013	0.032	0.029	0.031	0.028	0.026	0.020	0.021	0.050	0.017	0.041	0.074	0.092	2.5%
Residual Fuel	0.068	0.069	0.071	0.072	0.073	0.074	0.076	0.078	0.080	0.081	0.083	0.086	0.087	0.4%
Petroleum Subtotal	0.081	0.102	0.100	0.103	0.101	0.100	0.096	0.099	0.130	0.098	0.123	0.159	0.179	1.3%
Natural Gas	1.724	1.787	1.833	1.914	1.968	2.063	2.149	2.237	2.249	2.361	2.393	2.452	2.471	3.1%
Steam Coal	0.163	0.163	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.164	0.165	-0.5%
Nuclear Power	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.2%
Renewable Energy/Other 15/	2.454	2.481	2.506	2.552	2.561	2.594	2.651	2.734	2.758	2.784	2.804	2.850	2.895	2.3%
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	4.775	4.895	4.958	5.096	5.170	5.311	5.467	5.628	5.709	5.828	5.913	6.057	6.146	2.3%

Table 9. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Pacific

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total Energy Consumption														
Distillate Fuel	1.031	1.072	1.087	1.106	1.122	1.139	1.155	1.175	1.223	1.212	1.258	1.317	1.358	2.3%
Kerosene	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	0.6%
Jet Fuel 9/	1.130	1.162	1.194	1.225	1.257	1.290	1.321	1.352	1.381	1.412	1.443	1.473	1.505	2.2%
Liquefied Petroleum Gas	0.153	0.157	0.160	0.163	0.161	0.162	0.166	0.169	0.169	0.169	0.168	0.171	0.171	3.8%
Motor Gasoline 2/	3.255	3.323	3.387	3.450	3.510	3.572	3.639	3.697	3.753	3.814	3.881	3.953	4.021	2.1%
Petrochemical Feedstocks	0.015	0.015	0.016	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.017	0.018	1.9%
Residual Fuel	0.356	0.359	0.361	0.363	0.366	0.368	0.371	0.373	0.376	0.379	0.381	0.385	0.388	0.2%
Other Petroleum 12/	0.739	0.743	0.738	0.745	0.753	0.758	0.764	0.770	0.781	0.791	0.799	0.804	0.815	0.7%
Petroleum Subtotal	6.684	6.835	6.948	7.071	7.189	7.310	7.437	7.558	7.705	7.799	7.952	8.126	8.281	1.9%
Natural Gas	4.397	4.495	4.579	4.686	4.780	4.918	5.053	5.189	5.245	5.410	5.494	5.603	5.660	2.1%
Lease and Plant Fuel 6/	0.393	0.398	0.403	0.406	0.411	0.414	0.416	0.418	0.488	0.560	0.564	0.568	0.587	2.2%
Pipeline Natural Gas	0.050	0.051	0.052	0.055	0.057	0.058	0.059	0.059	0.099	0.141	0.141	0.142	0.152	6.4%
Natural Gas Subtotal	4.840	4.944	5.034	5.148	5.247	5.391	5.528	5.667	5.832	6.110	6.199	6.312	6.399	2.1%
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
Steam Coal	0.250	0.251	0.252	0.253	0.254	0.255	0.256	0.257	0.258	0.259	0.261	0.262	0.263	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	0.250	0.251	0.252	0.253	0.254	0.255	0.256	0.257	0.258	0.259	0.261	0.262	0.263	0.0%
Nuclear Power	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.465	0.2%
Renewable Energy 16/	2.917	2.954	2.988	3.042	3.060	3.103	3.171	3.263	3.297	3.333	3.363	3.421	3.475	2.3%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	15.155	15.450	15.687	15.980	16.214	16.524	16.856	17.210	17.557	17.966	18.240	18.586	18.883	2.0%
Energy Use & Related Statistics														
Delivered Energy Use	12.149	12.373	12.578	12.778	12.988	13.211	13.449	13.673	13.995	14.343	14.584	14.839	15.096	1.9%
Total Energy Use	15.043	15.346	15.577	15.878	16.125	16.449	16.798	17.139	17.501	17.922	18.204	18.553	18.854	2.0%
Population (millions)	51.590	52.147	52.707	53.267	53.829	54.392	54.954	55.515	56.077	56.642	57.209	57.778	58.354	1.1%
US GDP (billion 1996 dollars)	13480	13893	14288	14681	15101	15540	16013	16450	16888	17363	17858	18389	18917	3.0%
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1889.2	1915.7	1944.2	1970.2	1996.8	2024.6	2055.5	2082.5	2108.3	2139.7	2170.8	2204.3	2236.9	1.5%

Table 9. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
Pacific

1/ Includes wood used for residential heating. See Table A18 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 electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.
4/ Fuel consumption includes consumption for combined heat and power, which produces electricity, both for sale to the grid and for own use, and other useful thermal energy.
5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.
6/ Represents natural gas used in the field gathering and processing plant machinery.
7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.
8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.
9/ Includes only kerosene type.
10/ Includes aviation gasoline and lubricants.
11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
12/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.
13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
14/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2000 and 2001 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: 2000 and 2001 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). 2000 and 2001 population and gross domestic product: Global Insight macroeconomic model CTL0802. 2000 and 2001 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2001, DOE/EIA-0573(2001) (Washington, DC, December 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 10. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
United States

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption													
Residential													
Distillate Fuel	0.86	0.91	0.87	0.94	0.94	0.94	0.94	0.93	0.93	0.92	0.91	0.90	0.90
Kerosene	0.09	0.10	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Liquefied Petroleum Gas	0.54	0.50	0.53	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.47	0.47	0.47
Petroleum Subtotal	1.50	1.50	1.47	1.51	1.50	1.50	1.50	1.49	1.49	1.47	1.46	1.45	1.44
Natural Gas	5.12	4.94	5.05	5.32	5.42	5.45	5.51	5.56	5.61	5.62	5.66	5.69	5.75
Coal	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Renewable Energy 1/	0.41	0.39	0.39	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
Electricity	4.07	4.10	4.20	4.37	4.46	4.53	4.61	4.69	4.79	4.85	4.93	5.00	5.07
Delivered Energy	11.11	10.94	11.13	11.62	11.81	11.90	12.05	12.17	12.31	12.38	12.47	12.56	12.69
Electricity Related Losses	9.26	9.15	9.17	9.45	9.60	9.74	9.88	10.03	10.16	10.21	10.28	10.32	10.39
Total	20.37	20.09	20.30	21.07	21.41	21.64	21.93	22.20	22.47	22.59	22.75	22.88	23.07
Commercial													
Distillate Fuel	0.47	0.46	0.45	0.45	0.46	0.46	0.47	0.47	0.48	0.48	0.48	0.48	0.49
Residual Fuel	0.09	0.09	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05
Kerosene	0.03	0.03	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	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Motor Gasoline 2/	0.05	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Petroleum Subtotal	0.73	0.71	0.65	0.63	0.64	0.65	0.66	0.66	0.67	0.67	0.67	0.68	0.68
Natural Gas	3.30	3.33	3.32	3.47	3.57	3.62	3.67	3.71	3.74	3.77	3.80	3.83	3.87
Coal	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10
Renewable Energy 3/	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Electricity	3.96	4.09	4.20	4.26	4.38	4.49	4.59	4.70	4.81	4.91	5.02	5.13	5.25
Delivered Energy	8.19	8.32	8.36	8.55	8.78	8.95	9.12	9.27	9.41	9.55	9.69	9.84	10.00
Electricity Related Losses	9.01	9.12	9.15	9.21	9.43	9.64	9.84	10.04	10.19	10.33	10.46	10.61	10.75
Total	17.20	17.44	17.51	17.77	18.21	18.59	18.96	19.31	19.60	19.88	20.15	20.45	20.75
Industrial 4/													
Distillate Fuel	1.12	1.13	1.08	1.09	1.10	1.11	1.12	1.15	1.17	1.19	1.21	1.23	1.25
Liquefied Petroleum Gas	2.30	2.10	2.23	2.26	2.30	2.30	2.32	2.36	2.40	2.47	2.55	2.63	2.71
Petrochemical Feedstocks	1.32	1.14	1.21	1.25	1.27	1.27	1.29	1.32	1.35	1.39	1.43	1.47	1.51
Residual Fuel	0.24	0.23	0.19	0.20	0.17	0.17	0.17	0.18	0.18	0.19	0.19	0.19	0.19
Motor Gasoline 2/	0.15	0.15	0.16	0.15	0.16	0.15	0.16	0.16	0.16	0.16	0.17	0.17	0.17
Other Petroleum 5/	3.96	4.03	4.15	4.06	4.17	4.15	4.15	4.21	4.23	4.28	4.31	4.31	4.33
Petroleum Subtotal	9.09	8.79	9.01	9.02	9.16	9.14	9.21	9.37	9.50	9.68	9.86	10.01	10.16
Natural Gas	8.48	7.74	8.22	8.33	8.31	8.35	8.52	8.66	8.74	8.90	9.13	9.35	9.49
Lease and Plant Fuel 6/	1.16	1.20	1.25	1.30	1.32	1.32	1.33	1.33	1.36	1.37	1.39	1.42	1.45
Natural Gas Subtotal	9.65	8.94	9.47	9.62	9.62	9.67	9.85	9.99	10.10	10.27	10.52	10.77	10.94
Metallurgical Coal	0.79	0.72	0.64	0.68	0.68	0.68	0.68	0.68	0.68	0.67	0.66	0.65	0.64
Steam Coal	1.46	1.42	1.35	1.38	1.39	1.39	1.39	1.41	1.42	1.43	1.44	1.45	1.46
Net Coal Coke Imports	0.07	0.03	0.02	0.04	0.05	0.05	0.06	0.08	0.09	0.10	0.11	0.13	0.14
Coal Subtotal	2.32	2.16	2.02	2.10	2.12	2.13	2.14	2.16	2.19	2.20	2.22	2.23	2.23
Renewable Energy 7/	1.86	1.82	1.80	1.86	1.92	1.95	1.99	2.03	2.08	2.15	2.22	2.29	2.35
Electricity	3.63	3.39	3.17	3.33	3.42	3.47	3.55	3.65	3.76	3.84	3.95	4.05	4.13
Delivered Energy	26.55	25.10	25.46	25.94	26.24	26.36	26.74	27.20	27.64	28.14	28.76	29.34	29.81
Electricity Related Losses	8.27	7.57	6.92	7.22	7.37	7.45	7.60	7.80	7.97	8.08	8.23	8.36	8.46

Table 10. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
United States

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total	34.82	32.67	32.38	33.16	33.61	33.82	34.34	35.00	35.60	36.22	36.99	37.70	38.27
Transportation													
Distillate Fuel 8/	5.34	5.44	5.41	5.62	5.83	5.98	6.18	6.40	6.61	6.83	7.08	7.31	7.50
Jet Fuel 9/	3.58	3.43	3.36	3.34	3.34	3.41	3.51	3.60	3.71	3.83	3.93	4.03	4.14
Motor Gasoline 2/	16.05	16.26	16.66	16.96	17.26	17.66	18.11	18.59	19.09	19.58	20.09	20.57	21.02
Residual Fuel	0.89	0.84	0.79	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83
Liquefied Petroleum Gas	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.06
Other Petroleum 10/	0.22	0.24	0.24	0.25	0.25	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.27
Petroleum Subtotal	26.09	26.22	26.48	27.01	27.52	28.15	28.91	29.70	30.53	31.37	32.24	33.06	33.83
Pipeline Fuel Natural Gas	0.66	0.63	0.58	0.63	0.65	0.66	0.68	0.69	0.72	0.75	0.78	0.79	0.81
Compressed Natural Gas	0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.07	0.07
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
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
Electricity	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.10	0.10
Delivered Energy	26.83	26.94	27.16	27.75	28.28	28.93	29.71	30.53	31.39	32.27	33.17	34.02	34.82
Electricity Related Losses	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.19	0.20	0.20
Total	27.00	27.10	27.32	27.92	28.45	29.11	29.89	30.71	31.57	32.46	33.36	34.21	35.02
Delivered Energy Consumption, All Sectors													
Distillate Fuel	7.79	7.94	7.81	8.10	8.32	8.49	8.72	8.95	9.19	9.43	9.69	9.93	10.14
Kerosene	0.14	0.15	0.11	0.12	0.13	0.12	0.12	0.12	0.13	0.12	0.12	0.12	0.12
Jet Fuel 9/	3.58	3.43	3.36	3.34	3.34	3.41	3.51	3.60	3.71	3.83	3.93	4.03	4.14
Liquefied Petroleum Gas	2.95	2.70	2.87	2.86	2.91	2.90	2.93	2.97	3.01	3.08	3.16	3.25	3.33
Motor Gasoline 2/	16.25	16.46	16.86	17.15	17.45	17.85	18.30	18.78	19.28	19.78	20.29	20.77	21.22
Petrochemical Feedstocks	1.32	1.14	1.21	1.25	1.27	1.27	1.29	1.32	1.35	1.39	1.43	1.47	1.51
Residual Fuel	1.22	1.15	1.01	1.05	1.02	1.03	1.04	1.04	1.05	1.06	1.06	1.07	1.07
Other Petroleum 12/	4.16	4.24	4.37	4.29	4.40	4.37	4.38	4.43	4.46	4.51	4.54	4.55	4.57
Petroleum Subtotal	37.41	37.21	37.61	38.17	38.83	39.45	40.28	41.22	42.18	43.19	44.23	45.19	46.11
Natural Gas	16.91	16.02	16.61	17.15	17.33	17.46	17.75	17.97	18.14	18.35	18.65	18.94	19.17
Lease and Plant Fuel 6/	1.16	1.20	1.25	1.30	1.32	1.32	1.33	1.33	1.36	1.37	1.39	1.42	1.45
Pipeline Natural Gas	0.66	0.63	0.58	0.63	0.65	0.66	0.68	0.69	0.72	0.75	0.78	0.79	0.81
Natural Gas Subtotal	18.74	17.86	18.43	19.08	19.30	19.44	19.76	20.00	20.22	20.47	20.82	21.15	21.44
Metallurgical Coal	0.79	0.72	0.64	0.68	0.68	0.68	0.68	0.68	0.68	0.67	0.66	0.65	0.64
Steam Coal	1.57	1.53	1.46	1.48	1.49	1.50	1.50	1.52	1.53	1.54	1.55	1.56	1.57
Net Coal Coke Imports	0.07	0.03	0.02	0.04	0.05	0.05	0.06	0.08	0.09	0.10	0.11	0.13	0.14
Coal Subtotal	2.42	2.27	2.12	2.20	2.22	2.23	2.24	2.27	2.30	2.31	2.33	2.34	2.35
Renewable Energy 13/	2.38	2.31	2.30	2.38	2.43	2.47	2.50	2.55	2.60	2.66	2.74	2.80	2.87
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
Electricity	11.73	11.65	11.65	12.04	12.34	12.57	12.84	13.13	13.44	13.70	13.99	14.27	14.56
Delivered Energy	72.68	71.29	72.11	73.86	75.12	76.16	77.62	79.17	80.75	82.33	84.10	85.75	87.31
Electricity Related Losses	26.71	26.01	25.40	26.05	26.57	27.01	27.50	28.04	28.51	28.81	29.16	29.49	29.80
Total	99.38	97.30	97.51	99.91	101.69	103.16	105.12	107.21	109.26	111.14	113.26	115.24	117.11
Electric Generators 14/													
Distillate Fuel	0.11	0.17	0.06	0.07	0.08	0.08	0.08	0.09	0.09	0.10	0.11	0.12	0.11
Residual Fuel	1.01	1.08	0.31	0.24	0.27	0.26	0.27	0.27	0.31	0.29	0.31	0.30	0.34
Petroleum Subtotal	1.12	1.25	0.37	0.32	0.35	0.34	0.35	0.36	0.41	0.38	0.42	0.43	0.45
Natural Gas	5.33	5.40	5.37	5.55	5.82	5.80	5.87	5.86	6.43	6.72	6.93	7.23	7.60
Steam Coal	20.22	19.75	19.34	19.70	20.09	20.59	21.26	21.92	22.10	22.35	22.65	22.90	23.05
Nuclear Power	7.87	8.03	8.12	8.15	8.22	8.28	8.31	8.40	8.32	8.33	8.36	8.36	8.38
Renewable Energy/Other 15/	3.58	3.02	3.58	4.03	4.12	4.25	4.32	4.38	4.42	4.46	4.50	4.55	4.58
Electricity Imports	0.31	0.21	0.27	0.34	0.31	0.32	0.23	0.25	0.28	0.25	0.29	0.28	0.29
Total	38.44	37.66	37.05	38.08	38.91	39.58	40.33	41.17	41.95	42.50	43.15	43.76	44.35

Table 10. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
United States

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total Energy Consumption													
Distillate Fuel	7.90	8.11	7.87	8.18	8.39	8.58	8.80	9.04	9.28	9.52	9.80	10.05	10.25
Kerosene	0.14	0.15	0.11	0.12	0.13	0.12	0.12	0.12	0.13	0.12	0.12	0.12	0.12
Jet Fuel 9/	3.58	3.43	3.36	3.34	3.34	3.41	3.51	3.60	3.71	3.83	3.93	4.03	4.14
Liquefied Petroleum Gas	2.95	2.70	2.87	2.86	2.91	2.90	2.93	2.97	3.01	3.08	3.16	3.25	3.33
Motor Gasoline 2/	16.25	16.46	16.86	17.15	17.45	17.85	18.30	18.78	19.28	19.78	20.29	20.77	21.22
Petrochemical Feedstocks	1.32	1.14	1.21	1.25	1.27	1.27	1.29	1.32	1.35	1.39	1.43	1.47	1.51
Residual Fuel	2.23	2.23	1.32	1.30	1.29	1.29	1.30	1.32	1.36	1.34	1.37	1.37	1.41
Other Petroleum 12/	4.16	4.24	4.37	4.29	4.40	4.37	4.38	4.43	4.46	4.51	4.54	4.55	4.57
Petroleum Subtotal	38.53	38.46	37.99	38.49	39.18	39.79	40.63	41.59	42.58	43.57	44.65	45.62	46.56
Natural Gas	22.24	21.42	21.98	22.69	23.14	23.26	23.62	23.84	24.57	25.07	25.58	26.17	26.78
Lease and Plant Fuel 6/	1.16	1.20	1.25	1.30	1.32	1.32	1.33	1.33	1.36	1.37	1.39	1.42	1.45
Pipeline Natural Gas	0.66	0.63	0.58	0.63	0.65	0.66	0.68	0.69	0.72	0.75	0.78	0.79	0.81
Natural Gas Subtotal	24.07	23.26	23.80	24.62	25.11	25.24	25.63	25.86	26.65	27.20	27.75	28.38	29.04
Metallurgical Coal	0.79	0.72	0.64	0.68	0.68	0.68	0.68	0.68	0.68	0.67	0.66	0.65	0.64
Steam Coal	21.78	21.28	20.80	21.18	21.59	22.08	22.76	23.43	23.64	23.89	24.21	24.47	24.63
Net Coal Coke Imports	0.07	0.03	0.02	0.04	0.05	0.05	0.06	0.08	0.09	0.10	0.11	0.13	0.14
Coal Subtotal	22.64	22.02	21.46	21.90	22.31	22.82	23.50	24.19	24.41	24.66	24.98	25.24	25.40
Nuclear Power	7.87	8.03	8.12	8.15	8.22	8.28	8.31	8.40	8.32	8.33	8.36	8.36	8.38
Renewable Energy 16/	5.96	5.33	5.87	6.40	6.55	6.71	6.82	6.93	7.02	7.12	7.23	7.36	7.44
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
Electricity Imports	0.31	0.21	0.27	0.34	0.31	0.32	0.23	0.25	0.28	0.25	0.29	0.28	0.29
Total	99.38	97.30	97.51	99.91	101.69	103.16	105.12	107.21	109.26	111.14	113.26	115.24	117.11
Energy Use & Related Statistics													
Delivered Energy Use	72.68	71.29	72.11	73.86	75.12	76.16	77.62	79.17	80.75	82.33	84.10	85.75	87.31
Total Energy Use	99.38	97.30	97.51	99.91	101.69	103.16	105.12	107.21	109.26	111.14	113.26	115.24	117.11
Population (millions)	275.69	278.18	280.68	283.17	285.64	288.09	290.53	292.96	295.38	297.81	300.24	302.68	305.15
US GDP (billion 1996 dollars)	9191	9215	9440	9743	10074	10361	10667	11017	11408	11810	12258	12671	13082
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1578.2	1558.6	1536.2	1567.9	1597.2	1623.7	1662.3	1699.7	1734.5	1765.8	1800.5	1832.6	1862.1

Table 10. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
United States

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption														
Residential														
Distillate Fuel	0.89	0.88	0.87	0.86	0.85	0.85	0.84	0.83	0.82	0.82	0.81	0.81	0.81	-0.5%
Kerosene	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	-2.2%
Liquefied Petroleum Gas	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.48	0.48	-0.2%
Petroleum Subtotal	1.43	1.42	1.41	1.40	1.39	1.38	1.37	1.37	1.36	1.35	1.35	1.35	1.34	-0.5%
Natural Gas	5.77	5.81	5.85	5.91	5.94	6.00	6.06	6.12	6.17	6.23	6.29	6.36	6.40	1.1%
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	0.4%
Renewable Energy 1/	0.41	0.41	0.41	0.41	0.41	0.41	0.40	0.41	0.40	0.40	0.40	0.41	0.40	0.2%
Electricity	5.12	5.18	5.25	5.33	5.38	5.44	5.51	5.59	5.65	5.71	5.79	5.88	5.94	1.6%
Delivered Energy	12.74	12.84	12.93	13.06	13.13	13.24	13.36	13.51	13.59	13.71	13.84	14.00	14.10	1.1%
Electricity Related Losses	10.42	10.46	10.54	10.65	10.69	10.75	10.84	10.96	10.99	11.07	11.14	11.26	11.33	0.9%
Total	23.16	23.30	23.47	23.71	23.82	24.00	24.20	24.47	24.58	24.78	24.98	25.26	25.43	1.0%
Commercial														
Distillate Fuel	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.3%
Residual Fuel	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	-2.5%
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	-0.7%
Liquefied Petroleum Gas	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.4%
Motor Gasoline 2/	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-1.1%
Petroleum Subtotal	0.68	0.68	0.68	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.70	-0.1%
Natural Gas	3.91	3.96	4.00	4.05	4.11	4.17	4.23	4.29	4.35	4.40	4.46	4.51	4.56	1.3%
Coal	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.7%
Renewable Energy 3/	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.0%
Electricity	5.36	5.48	5.59	5.71	5.83	5.95	6.07	6.20	6.32	6.45	6.58	6.70	6.83	2.2%
Delivered Energy	10.16	10.32	10.49	10.65	10.83	11.01	11.20	11.38	11.57	11.76	11.94	12.12	12.30	1.6%
Electricity Related Losses	10.92	11.06	11.23	11.41	11.57	11.75	11.94	12.14	12.32	12.49	12.66	12.84	13.03	1.5%
Total	21.08	21.39	21.72	22.06	22.40	22.76	23.14	23.52	23.89	24.25	24.60	24.96	25.33	1.6%
Industrial 4/														
Distillate Fuel	1.26	1.27	1.29	1.30	1.31	1.32	1.34	1.36	1.37	1.39	1.41	1.43	1.45	1.0%
Liquefied Petroleum Gas	2.78	2.83	2.87	2.90	2.94	2.99	3.05	3.10	3.14	3.19	3.23	3.28	3.33	1.9%
Petrochemical Feedstocks	1.53	1.56	1.58	1.59	1.62	1.64	1.67	1.69	1.72	1.74	1.77	1.79	1.82	2.0%
Residual Fuel	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	-0.4%
Motor Gasoline 2/	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	1.0%
Other Petroleum 5/	4.34	4.37	4.35	4.39	4.42	4.43	4.47	4.49	4.50	4.53	4.55	4.57	4.60	0.5%
Petroleum Subtotal	10.29	10.40	10.46	10.55	10.67	10.77	10.91	11.02	11.12	11.24	11.35	11.47	11.59	1.2%
Natural Gas	9.56	9.67	9.79	9.86	9.96	10.10	10.26	10.38	10.54	10.72	10.87	11.06	11.22	1.6%
Lease and Plant Fuel 6/	1.47	1.49	1.51	1.52	1.52	1.55	1.57	1.59	1.63	1.69	1.70	1.72	1.74	1.5%
Natural Gas Subtotal	11.03	11.16	11.30	11.38	11.49	11.65	11.83	11.97	12.17	12.41	12.58	12.78	12.96	1.6%
Metallurgical Coal	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54	0.53	0.52	0.51	0.50	-1.5%
Steam Coal	1.47	1.48	1.48	1.48	1.49	1.49	1.50	1.50	1.51	1.51	1.52	1.53	1.53	0.3%
Net Coal Coke Imports	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.17	0.17	0.18	0.18	8.6%
Coal Subtotal	2.24	2.24	2.23	2.23	2.22	2.22	2.22	2.21	2.21	2.21	2.21	2.21	2.21	0.1%
Renewable Energy 7/	2.40	2.46	2.51	2.56	2.61	2.66	2.72	2.77	2.82	2.88	2.94	3.00	3.05	2.2%
Electricity	4.21	4.28	4.34	4.38	4.44	4.50	4.58	4.63	4.69	4.77	4.85	4.93	5.00	1.6%
Delivered Energy	30.16	30.54	30.84	31.10	31.43	31.80	32.25	32.61	33.02	33.51	33.92	34.40	34.81	1.4%
Electricity Related Losses	8.56	8.64	8.70	8.76	8.83	8.90	8.99	9.08	9.14	9.24	9.33	9.44	9.54	1.0%

Table 10. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
United States

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total	38.72	39.18	39.54	39.86	40.26	40.70	41.24	41.69	42.17	42.75	43.24	43.84	44.35	1.3%
Transportation														
Distillate Fuel 8/	7.67	7.84	7.98	8.11	8.25	8.39	8.56	8.70	8.85	9.02	9.20	9.40	9.58	2.4%
Jet Fuel 9/	4.26	4.38	4.50	4.62	4.73	4.86	4.97	5.09	5.20	5.31	5.43	5.54	5.66	2.1%
Motor Gasoline 2/	21.46	21.87	22.25	22.61	22.96	23.32	23.72	24.04	24.36	24.71	25.09	25.51	25.90	2.0%
Residual Fuel	0.84	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.2%
Liquefied Petroleum Gas	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	7.0%
Other Petroleum 10/	0.27	0.28	0.28	0.28	0.29	0.29	0.30	0.30	0.30	0.31	0.31	0.31	0.32	1.2%
Petroleum Subtotal	34.57	35.27	35.92	36.53	37.15	37.79	38.47	39.06	39.65	40.29	40.98	41.72	42.41	2.0%
Pipeline Fuel Natural Gas	0.83	0.84	0.85	0.85	0.86	0.88	0.89	0.91	0.95	0.99	1.00	1.01	1.02	2.0%
Compressed Natural Gas	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	10.4%
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	0.01	0.01	8.9%
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	0.11	0.11	0.11	0.12	0.12	0.12	0.13	0.13	0.13	0.14	0.14	2.8%
Delivered Energy	35.58	36.30	36.96	37.59	38.22	38.88	39.58	40.20	40.83	41.52	42.22	42.99	43.70	2.0%
Electricity Related Losses	0.21	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.25	0.25	0.26	0.27	0.27	2.1%
Total	35.78	36.51	37.18	37.81	38.44	39.11	39.82	40.44	41.07	41.77	42.48	43.26	43.97	2.0%
Delivered Energy Consumption, All Sectors														
Distillate Fuel	10.31	10.48	10.62	10.75	10.90	11.05	11.22	11.38	11.53	11.72	11.91	12.13	12.32	1.8%
Kerosene	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	-1.5%
Jet Fuel 9/	4.26	4.38	4.50	4.62	4.73	4.86	4.97	5.09	5.20	5.31	5.43	5.54	5.66	2.1%
Liquefied Petroleum Gas	3.41	3.45	3.50	3.54	3.58	3.63	3.69	3.74	3.79	3.84	3.88	3.94	3.99	1.6%
Motor Gasoline 2/	21.67	22.08	22.46	22.82	23.17	23.54	23.93	24.26	24.58	24.93	25.32	25.74	26.13	1.9%
Petrochemical Feedstocks	1.53	1.56	1.58	1.59	1.62	1.64	1.67	1.69	1.72	1.74	1.77	1.79	1.82	2.0%
Residual Fuel	1.07	1.08	1.08	1.08	1.09	1.09	1.09	1.10	1.10	1.11	1.11	1.12	1.12	-0.1%
Other Petroleum 12/	4.59	4.63	4.61	4.65	4.69	4.70	4.74	4.76	4.78	4.82	4.84	4.86	4.89	0.6%
Petroleum Subtotal	46.97	47.77	48.46	49.17	49.90	50.63	51.44	52.14	52.82	53.57	54.36	55.23	56.03	1.7%
Natural Gas	19.32	19.52	19.73	19.91	20.11	20.36	20.64	20.89	21.15	21.46	21.73	22.04	22.29	1.4%
Lease and Plant Fuel 6/	1.47	1.49	1.51	1.52	1.52	1.55	1.57	1.59	1.63	1.69	1.70	1.72	1.74	1.5%
Pipeline Natural Gas	0.83	0.84	0.85	0.85	0.86	0.88	0.89	0.91	0.95	0.99	1.00	1.01	1.02	2.0%
Natural Gas Subtotal	21.62	21.85	22.09	22.28	22.49	22.79	23.10	23.39	23.73	24.13	24.43	24.77	25.05	1.4%
Metallurgical Coal	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54	0.53	0.52	0.51	0.50	-1.5%
Steam Coal	1.58	1.59	1.60	1.60	1.60	1.61	1.62	1.62	1.63	1.63	1.64	1.65	1.65	0.3%
Net Coal Coke Imports	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.17	0.17	0.18	0.18	8.6%
Coal Subtotal	2.35	2.35	2.35	2.34	2.34	2.33	2.34	2.33	2.33	2.33	2.33	2.34	2.34	0.1%
Renewable Energy 13/	2.92	2.98	3.03	3.07	3.12	3.18	3.24	3.29	3.34	3.40	3.45	3.52	3.57	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	14.79	15.05	15.29	15.53	15.76	16.01	16.28	16.55	16.79	17.06	17.34	17.65	17.92	1.8%
Delivered Energy	88.65	90.00	91.22	92.40	93.61	94.94	96.39	97.70	99.01	100.49	101.92	103.50	104.91	1.6%
Electricity Related Losses	30.10	30.37	30.69	31.03	31.31	31.63	32.01	32.42	32.70	33.05	33.39	33.80	34.17	1.1%
Total	118.75	120.37	121.91	123.43	124.92	126.56	128.40	130.12	131.71	133.55	135.31	137.31	139.07	1.5%
Electric Generators 14/														
Distillate Fuel	0.10	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.13	0.10	0.12	0.15	0.17	0.0%
Residual Fuel	0.35	0.36	0.36	0.37	0.37	0.36	0.36	0.36	0.36	0.36	0.35	0.36	0.36	-4.5%
Petroleum Subtotal	0.45	0.47	0.47	0.48	0.48	0.46	0.45	0.46	0.49	0.45	0.47	0.51	0.52	-3.6%
Natural Gas	7.82	8.05	8.16	8.44	8.61	8.95	9.24	9.57	9.90	10.23	10.43	10.73	10.76	2.9%
Steam Coal	23.29	23.50	23.95	24.20	24.55	24.78	25.12	25.35	25.51	25.83	26.22	26.53	27.09	1.3%
Nuclear Power	8.42	8.47	8.41	8.42	8.42	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	0.2%
Renewable Energy/Other 15/	4.63	4.68	4.72	4.77	4.80	4.83	4.91	5.00	5.03	5.06	5.10	5.16	5.21	2.3%
Electricity Imports	0.27	0.25	0.27	0.25	0.22	0.18	0.14	0.17	0.14	0.11	0.09	0.08	0.07	-4.5%
Total	44.89	45.42	45.98	46.56	47.07	47.64	48.29	48.97	49.49	50.12	50.74	51.45	52.09	1.4%

Table 10. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
United States

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total Energy Consumption														
Distillate Fuel	10.41	10.59	10.73	10.87	11.01	11.16	11.32	11.48	11.66	11.81	12.03	12.28	12.49	1.8%
Kerosene	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	-1.5%
Jet Fuel 9/	4.26	4.38	4.50	4.62	4.73	4.86	4.97	5.09	5.20	5.31	5.43	5.54	5.66	2.1%
Liquefied Petroleum Gas	3.41	3.45	3.50	3.54	3.58	3.63	3.69	3.74	3.79	3.84	3.88	3.94	3.99	1.6%
Motor Gasoline 2/	21.67	22.08	22.46	22.82	23.17	23.54	23.93	24.26	24.58	24.93	25.32	25.74	26.13	1.9%
Petrochemical Feedstocks	1.53	1.56	1.58	1.59	1.62	1.64	1.67	1.69	1.72	1.74	1.77	1.79	1.82	2.0%
Residual Fuel	1.43	1.44	1.44	1.45	1.45	1.45	1.45	1.46	1.46	1.47	1.46	1.48	1.47	-1.7%
Other Petroleum 12/	4.59	4.63	4.61	4.65	4.69	4.70	4.74	4.76	4.78	4.82	4.84	4.86	4.89	0.6%
Petroleum Subtotal	47.42	48.25	48.93	49.66	50.37	51.09	51.89	52.60	53.30	54.03	54.83	55.74	56.56	1.6%
Natural Gas	27.14	27.57	27.90	28.35	28.71	29.31	29.88	30.46	31.05	31.68	32.16	32.77	33.05	1.8%
Lease and Plant Fuel 6/	1.47	1.49	1.51	1.52	1.52	1.55	1.57	1.59	1.63	1.69	1.70	1.72	1.74	1.5%
Pipeline Natural Gas	0.83	0.84	0.85	0.85	0.86	0.88	0.89	0.91	0.95	0.99	1.00	1.01	1.02	2.0%
Natural Gas Subtotal	29.44	29.90	30.25	30.72	31.10	31.74	32.34	32.96	33.63	34.36	34.86	35.51	35.81	1.8%
Metallurgical Coal	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54	0.53	0.52	0.51	0.50	-1.5%
Steam Coal	24.87	25.09	25.55	25.80	26.15	26.39	26.74	26.97	27.13	27.47	27.86	28.18	28.74	1.3%
Net Coal Coke Imports	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.17	0.17	0.18	0.18	8.6%
Coal Subtotal	25.64	25.85	26.30	26.54	26.88	27.12	27.46	27.68	27.84	28.16	28.55	28.87	29.42	1.2%
Nuclear Power	8.42	8.47	8.41	8.42	8.42	8.43	8.43	8.43	8.43	8.43	8.43	8.43	8.43	0.2%
Renewable Energy 16/	7.55	7.65	7.75	7.85	7.92	8.01	8.14	8.28	8.37	8.46	8.55	8.67	8.78	2.1%
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	0.27	0.25	0.27	0.25	0.22	0.18	0.14	0.17	0.14	0.11	0.09	0.08	0.07	-4.5%
Total	118.75	120.37	121.91	123.43	124.92	126.56	128.40	130.12	131.71	133.55	135.31	137.31	139.07	1.5%
Energy Use & Related Statistics														
Delivered Energy Use	88.65	90.00	91.22	92.40	93.61	94.94	96.39	97.70	99.01	100.49	101.92	103.50	104.91	1.6%
Total Energy Use	118.75	120.37	121.91	123.43	124.92	126.56	128.40	130.12	131.71	133.55	135.31	137.31	139.07	1.5%
Population (millions)	307.64	310.14	312.66	315.19	317.72	320.26	322.79	325.32	327.87	330.43	333.01	335.61	338.24	0.8%
US GDP (billion 1996 dollars)	13480	13893	14288	14681	15101	15540	16013	16450	16888	17363	17858	18389	18917	3.0%
Carbon Dioxide Emissions (million metric tons carbon equivalent)	1889.2	1915.7	1944.2	1970.2	1996.8	2024.6	2055.5	2082.5	2108.3	2139.7	2170.8	2204.3	2236.9	1.5%

Table 10. Energy Consumption by Sector and Source
(Quadrillion Btu per Year, Unless Otherwise Noted)
United States

1/ Includes wood used for residential heating. See Table A18 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 electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating and solar photovoltaic electricity generation.
4/ Fuel consumption includes consumption for combined heat and power, which produces electricity, both for sale to the grid and for own use, and other useful thermal energy.
5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.
6/ Represents natural gas used in the field gathering and processing plant machinery.
7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass.
8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.
9/ Includes only kerosene type.
10/ Includes aviation gasoline and lubricants.
11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
12/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.
13/ Includes electricity generated for sale to the grid and for own use from renewable sources, and non-electric energy from renewable sources. Excludes nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
14/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
15/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, petroleum coke, wind, photovoltaic and solar thermal sources. Excludes net electricity imports.
16/ Includes hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, wind, photovoltaic and solar thermal sources. Includes ethanol components of E85; excludes ethanol blends (10 percent or less) in motor gasoline. Excludes net electricity imports and nonmarketed renewable energy consumption for geothermal heat pumps, buildings photovoltaic systems, and solar thermal hot water heaters.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2000 and 2001 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: 2000 and 2001 consumption based on: Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). 2000 and 2001 population and gross domestic product: Global Insight macroeconomic model CTL0802. 2000 and 2001 carbon dioxide emissions: EIA, Emissions of Greenhouse Gases in the United States 2001, DOE/EIA-0573(2001) (Washington, DC, December 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 11. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
New England

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	14.86	15.62	13.86	14.23	13.87	13.45	13.24	13.24	13.39	13.40	13.71	13.83	14.08
Primary Energy 1/	10.06	10.52	9.06	9.61	9.22	8.83	8.73	8.73	8.77	8.82	8.90	8.97	9.04
Petroleum Products 2/	9.99	9.46	8.64	9.43	8.96	8.45	8.34	8.35	8.39	8.42	8.51	8.57	8.64
Distillate Fuel	9.42	8.87	8.01	8.96	8.34	7.79	7.71	7.71	7.75	7.79	7.86	7.93	8.00
Liquefied Petroleum Gas	16.62	17.31	15.88	16.31	17.64	17.55	17.18	17.44	17.47	17.51	17.76	17.80	17.84
Natural Gas	10.18	12.59	9.84	9.95	9.71	9.55	9.46	9.44	9.48	9.55	9.63	9.71	9.78
Electricity	31.88	33.98	30.29	30.51	30.11	29.46	28.80	28.64	29.01	28.76	29.79	30.04	30.89
Commercial	14.48	15.76	14.79	14.10	13.50	13.06	12.70	12.65	12.94	12.77	13.24	13.23	13.58
Primary Energy 1/	7.55	8.08	7.07	7.28	6.83	6.69	6.62	6.65	6.71	6.78	6.88	6.96	7.04
Petroleum Products 2/	7.41	6.72	6.79	7.14	6.48	6.31	6.22	6.24	6.29	6.31	6.39	6.45	6.51
Distillate Fuel	7.52	6.71	6.46	6.88	6.21	6.03	5.95	5.95	5.98	6.02	6.10	6.17	6.24
Residual Fuel	3.06	3.00	3.85	4.12	3.58	3.46	3.49	3.52	3.56	3.55	3.57	3.59	3.62
Natural Gas	7.78	9.97	7.45	7.47	7.27	7.14	7.09	7.12	7.20	7.31	7.43	7.52	7.61
Electricity	27.11	28.48	26.45	24.62	23.71	22.72	21.85	21.54	22.06	21.42	22.30	22.05	22.69
Industrial 3/	8.30	8.45	7.22	7.57	7.17	6.93	6.81	6.81	6.90	6.82	6.91	6.85	6.97
Primary Energy	5.51	5.43	4.68	4.97	4.62	4.48	4.45	4.48	4.54	4.63	4.75	4.82	4.92
Petroleum Products 2/	5.72	5.04	5.24	5.77	5.21	5.08	5.10	5.14	5.18	5.26	5.37	5.40	5.50
Distillate Fuel	7.50	6.46	6.52	6.94	6.29	6.11	6.03	6.03	6.07	6.11	6.18	6.25	6.32
Liquefied Petroleum Gas	10.97	11.72	11.59	12.03	12.27	12.18	11.81	12.06	12.10	12.13	12.38	12.43	12.47
Residual Fuel	3.07	3.02	3.82	4.10	3.57	3.44	3.47	3.50	3.55	3.53	3.56	3.57	3.61
Natural Gas 4/	5.44	5.79	4.35	4.50	4.28	4.13	4.07	4.10	4.18	4.28	4.40	4.51	4.62
Metallurgical Coal	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
Steam Coal	2.34	2.38	2.39	2.39	2.36	2.36	2.35	2.32	2.30	2.28	2.26	2.27	2.25
Electricity	21.85	23.12	20.82	21.02	20.31	19.45	18.81	18.52	18.67	17.66	17.60	16.83	17.05
Transportation	12.51	11.42	11.07	11.68	11.12	10.97	11.03	11.09	11.06	11.13	11.18	11.13	11.10
Primary Energy	12.45	11.36	11.01	11.63	11.07	10.92	10.99	11.05	11.02	11.08	11.14	11.09	11.05
Petroleum Products 2/	12.45	11.36	11.02	11.63	11.08	10.93	10.99	11.06	11.03	11.10	11.15	11.10	11.07
Distillate Fuel 5/	11.85	10.66	10.16	10.79	10.26	10.04	10.29	10.83	10.74	10.89	10.98	11.10	10.95
Jet Fuel 6/	7.64	6.42	6.19	6.62	6.48	6.25	6.04	6.03	6.05	6.09	6.07	6.13	6.14
Motor Gasoline 7/	13.16	12.07	11.72	12.34	11.72	11.59	11.64	11.61	11.59	11.64	11.69	11.59	11.58
Residual Fuel	3.05	3.09	3.43	3.71	3.02	2.89	2.92	2.95	3.00	2.97	3.01	3.02	3.05
Liquefied Petroleum Gas 8/	14.77	14.47	13.61	14.03	17.03	16.90	16.50	16.73	16.74	16.76	16.98	16.99	17.00
Natural Gas 9/	7.41	8.12	6.54	6.74	6.53	6.40	6.47	6.62	6.81	7.00	7.19	7.36	7.52
Ethanol (E85) 10/	17.72	17.72	17.72	21.65	21.32	21.55	21.76	23.30	23.58	23.95	24.18	24.25	24.34
Electricity	31.78	29.28	26.11	26.17	25.55	24.73	23.98	23.74	23.96	23.52	24.17	24.10	24.63
Average End-Use Energy	12.59	12.67	11.67	11.97	11.47	11.19	11.09	11.09	11.17	11.15	11.32	11.30	11.41
Primary Energy	9.95	9.70	8.95	9.45	8.98	8.79	8.80	8.85	8.87	8.95	9.03	9.05	9.08
Electricity	27.68	29.35	26.77	26.10	25.40	24.55	23.79	23.52	23.89	23.29	23.99	23.77	24.36
Electric Generators 11/													
Fossil Fuel Average	3.38	3.06	2.82	2.95	2.81	2.74	2.74	2.80	2.91	2.99	3.07	3.15	3.23
Petroleum Products	3.95	3.81	3.87	4.23	3.47	3.34	3.36	3.39	3.41	3.43	3.45	3.46	3.49
Distillate Fuel	6.95	5.78	5.52	5.94	5.28	5.10	5.01	5.02	5.05	5.09	5.17	5.24	5.31
Residual Fuel	3.91	3.78	3.73	4.02	3.33	3.21	3.24	3.27	3.32	3.31	3.34	3.35	3.38
Natural Gas	4.49	3.51	3.19	3.39	3.26	3.19	3.21	3.32	3.48	3.63	3.77	3.89	4.00

Table 11. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
New England

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Steam Coal	1.67	1.73	1.66	1.68	1.68	1.70	1.68	1.65	1.63	1.61	1.60	1.61	1.60
Average Price to All Users 12/													
Petroleum Products 2/	10.08	9.37	9.41	10.09	9.43	9.24	9.26	9.31	9.26	9.43	9.49	9.51	9.49
Distillate Fuel	9.53	8.77	8.17	8.93	8.33	7.97	7.99	8.16	8.18	8.28	8.38	8.49	8.51
Jet Fuel	7.64	6.42	6.19	6.62	6.48	6.25	6.04	6.03	6.05	6.09	6.07	6.13	6.14
Liquefied Petroleum Gas	15.46	16.08	15.00	15.36	16.48	16.38	16.00	16.25	16.28	16.29	16.53	16.55	16.58
Motor Gasoline 7/	13.16	12.08	11.72	12.34	11.72	11.58	11.64	11.61	11.59	11.64	11.69	11.59	11.58
Residual Fuel	3.68	3.56	3.76	4.06	3.42	3.29	3.32	3.35	3.38	3.39	3.42	3.43	3.46
Natural Gas	6.68	7.06	5.28	5.47	5.34	5.26	5.23	5.27	5.35	5.42	5.54	5.62	5.72
Coal	1.69	1.75	1.69	1.70	1.70	1.72	1.70	1.67	1.65	1.63	1.62	1.63	1.62
Ethanol (E85) 10/	17.72	17.72	17.72	21.65	21.32	21.55	21.76	23.30	23.58	23.95	24.18	24.25	24.34
Electricity	27.68	29.35	26.77	26.10	25.40	24.55	23.79	23.52	23.89	23.29	23.99	23.77	24.36
Non-Renewable Energy Expenditures by Sector													
(billion 2001 dollars)													
Residential	9.47	10.14	8.82	9.59	9.41	9.18	9.12	9.16	9.30	9.29	9.51	9.60	9.79
Commercial	6.50	7.07	6.44	6.18	6.04	5.95	5.89	5.94	6.13	6.11	6.39	6.45	6.67
Industrial	4.29	4.01	3.46	3.70	3.58	3.48	3.46	3.52	3.63	3.66	3.79	3.83	3.97
Transportation	12.81	11.82	11.64	12.54	12.16	12.25	12.61	12.99	13.27	13.66	14.05	14.28	14.52
Total Non-Renewable Expenditures	33.06	33.04	30.35	32.01	31.19	30.85	31.07	31.60	32.33	32.72	33.75	34.16	34.95
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
Total Expenditures	33.06	33.04	30.35	32.01	31.19	30.85	31.07	31.60	32.33	32.72	33.75	34.16	34.95

Table 11. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
New England

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	14.21	14.41	14.44	14.57	14.57	14.70	14.86	14.98	14.98	15.00	15.01	15.15	15.18	-0.1%
Primary Energy 1/	9.11	9.21	9.21	9.25	9.18	9.24	9.34	9.39	9.39	9.40	9.45	9.52	9.60	-0.4%
Petroleum Products 2/	8.72	8.87	8.85	8.89	8.84	8.93	9.09	9.15	9.19	9.22	9.25	9.28	9.31	-0.1%
Distillate Fuel	8.08	8.24	8.23	8.27	8.22	8.32	8.49	8.55	8.59	8.62	8.65	8.68	8.71	-0.1%
Liquefied Petroleum Gas	17.88	17.92	17.97	18.01	17.82	17.86	17.89	17.93	17.99	18.05	18.11	18.16	18.22	0.2%
Natural Gas	9.83	9.85	9.85	9.89	9.81	9.79	9.79	9.81	9.74	9.72	9.80	9.94	10.10	-0.9%
Electricity	31.22	31.70	31.76	32.17	32.33	32.67	32.95	33.22	33.15	33.05	32.84	33.13	32.91	-0.1%
Commercial	13.80	14.15	14.31	14.63	14.84	15.20	15.61	16.03	16.17	16.34	16.31	16.62	16.51	0.2%
Primary Energy 1/	7.11	7.20	7.19	7.24	7.18	7.22	7.30	7.35	7.34	7.35	7.41	7.51	7.62	-0.2%
Petroleum Products 2/	6.59	6.73	6.72	6.75	6.71	6.80	6.95	7.00	7.04	7.07	7.11	7.13	7.17	0.3%
Distillate Fuel	6.32	6.48	6.46	6.50	6.46	6.56	6.72	6.79	6.83	6.86	6.89	6.92	6.95	0.1%
Residual Fuel	3.65	3.68	3.70	3.73	3.75	3.77	3.80	3.81	3.85	3.88	3.90	3.94	3.97	1.2%
Natural Gas	7.67	7.70	7.70	7.76	7.68	7.66	7.66	7.70	7.63	7.62	7.70	7.85	8.01	-0.9%
Electricity	23.01	23.62	23.94	24.58	25.11	25.83	26.64	27.51	27.82	28.17	27.96	28.46	27.98	-0.1%
Industrial 3/	7.05	7.15	7.19	7.29	7.25	7.32	7.41	7.52	7.51	7.54	7.55	7.71	7.75	-0.4%
Primary Energy	4.99	5.04	5.05	5.09	4.98	4.99	5.01	5.05	5.02	5.03	5.08	5.19	5.30	-0.1%
Petroleum Products 2/	5.55	5.65	5.68	5.69	5.53	5.57	5.62	5.66	5.69	5.73	5.75	5.80	5.83	0.6%
Distillate Fuel	6.40	6.56	6.55	6.59	6.54	6.64	6.81	6.87	6.92	6.95	6.98	7.00	7.03	0.4%
Liquefied Petroleum Gas	12.51	12.55	12.59	12.64	12.44	12.48	12.52	12.56	12.62	12.68	12.73	12.79	12.85	0.4%
Residual Fuel	3.63	3.66	3.69	3.72	3.74	3.76	3.78	3.80	3.83	3.86	3.89	3.93	3.96	1.1%
Natural Gas 4/	4.69	4.73	4.73	4.79	4.71	4.70	4.71	4.75	4.69	4.69	4.76	4.92	5.07	-0.5%
Metallurgical Coal	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
Steam Coal	2.24	2.22	2.20	2.17	2.15	2.14	2.11	2.08	2.07	2.06	2.04	2.04	2.03	-0.7%
Electricity	17.12	17.48	17.65	18.09	18.37	18.83	19.34	19.91	20.07	20.24	20.12	20.55	20.32	-0.5%
Transportation	11.07	11.07	11.06	11.07	11.09	11.10	11.10	11.09	11.13	11.17	11.22	11.19	11.41	0.0%
Primary Energy	11.02	11.02	11.01	11.02	11.04	11.05	11.05	11.04	11.08	11.12	11.16	11.14	11.35	0.0%
Petroleum Products 2/	11.03	11.03	11.02	11.03	11.05	11.06	11.06	11.05	11.09	11.13	11.18	11.15	11.37	0.0%
Distillate Fuel 5/	10.81	10.76	10.76	10.77	10.89	10.97	10.94	10.88	11.02	11.14	11.21	10.98	11.01	0.1%
Jet Fuel 6/	6.26	6.38	6.38	6.39	6.39	6.47	6.58	6.59	6.74	6.88	6.97	6.99	7.01	0.4%
Motor Gasoline 7/	11.56	11.56	11.55	11.55	11.56	11.55	11.55	11.55	11.56	11.58	11.62	11.63	11.91	-0.1%
Residual Fuel	3.08	3.12	3.14	3.17	3.19	3.22	3.24	3.26	3.29	3.32	3.34	3.38	3.41	0.4%
Liquefied Petroleum Gas 8/	17.01	17.02	17.04	17.05	16.82	16.83	16.84	16.85	16.88	16.91	16.94	16.97	17.00	0.7%
Natural Gas 9/	7.65	7.72	7.76	7.84	7.79	7.80	7.83	7.90	7.86	7.88	7.99	8.16	8.33	0.1%
Ethanol (E85) 10/	24.41	24.51	24.58	24.68	24.75	24.81	24.87	24.98	25.04	25.14	25.25	25.58	25.51	1.5%
Electricity	24.72	24.95	24.86	25.09	25.04	25.17	25.30	25.38	25.15	24.93	24.62	24.77	24.50	-0.7%
Average End-Use Energy	11.46	11.57	11.59	11.69	11.72	11.81	11.92	12.02	12.06	12.10	12.11	12.20	12.29	-0.1%
Primary Energy	9.10	9.15	9.15	9.18	9.15	9.17	9.20	9.21	9.23	9.25	9.30	9.33	9.48	-0.1%
Electricity	24.59	25.07	25.26	25.77	26.10	26.62	27.17	27.77	27.91	28.07	27.88	28.29	27.95	-0.2%
Electric Generators 11/														
Fossil Fuel Average	3.28	3.32	3.32	3.36	3.33	3.33	3.35	3.36	3.34	3.37	3.43	3.53	3.65	0.7%
Petroleum Products	3.52	3.55	3.57	3.59	3.62	3.65	3.68	3.71	3.75	3.78	3.81	3.82	3.86	0.0%
Distillate Fuel	5.39	5.55	5.53	5.57	5.53	5.62	5.79	5.86	5.90	5.93	5.96	5.99	6.02	0.2%
Residual Fuel	3.41	3.44	3.47	3.49	3.52	3.54	3.57	3.60	3.63	3.66	3.69	3.71	3.74	0.0%
Natural Gas	4.08	4.13	4.13	4.19	4.12	4.12	4.13	4.17	4.12	4.13	4.21	4.37	4.54	1.1%

Table 11. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
New England

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Steam Coal	1.59	1.58	1.57	1.56	1.54	1.54	1.53	1.52	1.51	1.50	1.49	1.49	1.49	-0.6%
Average Price to All Users 12/														
Petroleum Products 2/	9.50	9.53	9.53	9.54	9.54	9.58	9.63	9.66	9.71	9.77	9.83	9.82	9.98	0.3%
Distillate Fuel	8.54	8.64	8.64	8.68	8.70	8.80	8.92	8.95	9.03	9.11	9.16	9.11	9.15	0.2%
Jet Fuel	6.26	6.38	6.38	6.39	6.39	6.47	6.58	6.59	6.74	6.88	6.97	6.99	7.01	0.4%
Liquefied Petroleum Gas	16.60	16.64	16.67	16.71	16.50	16.53	16.56	16.59	16.64	16.68	16.73	16.78	16.83	0.2%
Motor Gasoline 7/	11.56	11.56	11.55	11.55	11.56	11.55	11.55	11.55	11.56	11.58	11.62	11.63	11.91	-0.1%
Residual Fuel	3.48	3.51	3.54	3.56	3.58	3.61	3.63	3.66	3.69	3.72	3.75	3.78	3.81	0.3%
Natural Gas	5.78	5.81	5.81	5.87	5.78	5.77	5.77	5.83	5.75	5.73	5.80	5.95	6.09	-0.6%
Coal	1.61	1.60	1.59	1.58	1.56	1.56	1.55	1.53	1.52	1.52	1.51	1.51	1.51	-0.6%
Ethanol (E85) 10/	24.41	24.51	24.58	24.68	24.75	24.81	24.87	24.98	25.04	25.14	25.25	25.58	25.51	1.5%
Electricity	24.59	25.07	25.26	25.77	26.10	26.62	27.17	27.77	27.91	28.07	27.88	28.29	27.95	-0.2%
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)														
Residential	9.85	9.98	10.01	10.15	10.14	10.26	10.39	10.52	10.54	10.60	10.67	10.85	10.90	0.3%
Commercial	6.83	7.06	7.20	7.43	7.61	7.87	8.16	8.46	8.63	8.82	8.91	9.17	9.22	1.1%
Industrial	4.07	4.19	4.25	4.35	4.37	4.47	4.60	4.73	4.78	4.87	4.95	5.14	5.24	1.1%
Transportation	14.74	14.96	15.16	15.37	15.59	15.81	16.03	16.19	16.42	16.67	16.95	17.15	17.69	1.7%
Total Non-Renewable Expenditures	35.49	36.20	36.63	37.29	37.72	38.40	39.17	39.90	40.36	40.97	41.48	42.31	43.04	1.1%
Transportation Renewable Expenditures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	10.3%
Total Expenditures	35.49	36.20	36.63	37.30	37.73	38.41	39.18	39.90	40.37	40.97	41.48	42.32	43.05	1.1%

Table 11. Energy Prices by Sector and Source
(2001 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 combined heat and power.
4/ Excludes uses for lease and plant fuel.
5/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.
6/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.
7/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
8/ Includes Federal and State taxes while excluding county and local taxes.
9/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.
10/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
11/ Includes combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
12/ 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 2000 and 2001 are model results and may differ slightly from official EIA data reports.
Sources: 2000 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2000, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_marketing_annual/pma_historical.html (August 2001). 2001 prices for motor gasoline, distillate, and jet fuel are based on the Petroleum Marketing Annual 2001, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (Setember 2002). 2000 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Annual 2000, DOE/EIA-0131(2000) (Washington, DC, November 2001). 2001 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2002/08) (Washington, DC, August 2002). 2000 and 2001 electric power prices: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2000 and 2001 industrial gas delivered prices are based on: EIA, Manufacturing Energy Consumption Survey 1998. 2000 and 2001 coal prices based on EIA, Quarterly Coal Report, October-December 2001, DOE/EIA-0121(2001/4Q) (Washington, DC, May 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. 2000 and 2001 electricity prices: Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 12. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
Middle Atlantic

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	14.46	15.32	13.87	13.73	13.32	13.04	12.78	12.64	12.76	12.89	13.20	13.37	13.60
Primary Energy 1/	9.40	10.22	8.98	9.38	9.07	8.80	8.70	8.72	8.77	8.83	8.94	9.01	9.09
Petroleum Products 2/	10.67	9.94	9.09	9.87	9.49	8.99	8.89	8.93	8.98	9.04	9.14	9.23	9.31
Distillate Fuel	10.06	9.25	8.41	9.34	8.74	8.18	8.10	8.10	8.14	8.18	8.25	8.32	8.39
Liquefied Petroleum Gas	17.35	18.01	15.91	16.35	18.18	18.09	17.72	17.97	18.01	18.05	18.30	18.34	18.38
Natural Gas	8.78	10.41	8.95	9.16	8.88	8.73	8.63	8.65	8.69	8.77	8.87	8.94	9.01
Electricity	32.14	32.64	29.79	28.38	27.45	26.95	25.99	25.09	25.24	25.44	26.31	26.69	27.36
Commercial	15.94	16.22	15.18	14.38	13.69	13.22	12.74	12.35	12.55	12.64	13.14	13.28	13.69
Primary Energy 1/	6.98	7.42	6.28	6.48	6.15	6.01	5.95	6.00	6.07	6.16	6.28	6.36	6.43
Petroleum Products 2/	6.71	6.01	6.35	6.74	6.12	5.92	5.84	5.87	5.91	5.95	6.01	6.06	6.12
Distillate Fuel	7.26	6.29	6.16	6.59	5.88	5.70	5.62	5.62	5.66	5.69	5.77	5.84	5.91
Residual Fuel	3.71	3.63	4.29	4.57	4.24	4.12	4.14	4.16	4.18	4.20	4.22	4.25	4.27
Natural Gas	7.32	8.35	6.43	6.55	6.31	6.20	6.14	6.20	6.29	6.40	6.55	6.63	6.72
Electricity	28.22	27.33	25.27	23.63	22.50	21.59	20.56	19.53	19.77	19.78	20.63	20.76	21.48
Industrial 3/	6.86	6.62	5.79	6.10	5.81	5.70	5.63	5.63	5.75	5.81	5.97	6.03	6.24
Primary Energy	5.13	4.93	4.36	4.68	4.41	4.31	4.28	4.32	4.36	4.46	4.58	4.66	4.83
Petroleum Products 2/	6.50	5.58	5.38	5.97	5.60	5.49	5.49	5.54	5.55	5.66	5.80	5.84	6.11
Distillate Fuel	7.41	6.33	6.26	6.69	6.02	5.84	5.76	5.76	5.80	5.83	5.91	5.98	6.05
Liquefied Petroleum Gas	12.62	12.67	11.74	12.17	12.71	12.62	12.25	12.50	12.54	12.57	12.82	12.87	12.91
Residual Fuel	3.44	3.37	4.09	4.37	4.04	3.92	3.94	3.96	3.98	4.00	4.03	4.05	4.07
Natural Gas 4/	5.59	5.95	4.58	4.84	4.58	4.45	4.37	4.42	4.51	4.61	4.75	4.85	4.95
Metallurgical Coal	1.56	1.62	1.54	1.54	1.52	1.50	1.49	1.48	1.46	1.45	1.44	1.42	1.42
Steam Coal	1.37	1.37	1.36	1.36	1.33	1.34	1.33	1.31	1.28	1.27	1.26	1.26	1.25
Electricity	17.21	16.85	15.34	15.23	14.88	14.57	14.22	13.87	14.38	14.17	14.41	14.26	14.62
Transportation	11.31	10.13	9.82	10.41	10.15	10.03	10.08	10.17	10.14	10.23	10.28	10.25	10.22
Primary Energy	11.25	10.07	9.76	10.36	10.10	9.99	10.04	10.13	10.11	10.19	10.24	10.21	10.18
Petroleum Products 2/	11.25	10.07	9.77	10.36	10.11	9.99	10.05	10.14	10.11	10.19	10.25	10.22	10.18
Distillate Fuel 5/	11.69	10.34	9.72	10.35	9.99	9.77	10.01	10.56	10.46	10.61	10.71	10.82	10.66
Jet Fuel 6/	7.33	6.18	5.88	6.30	6.07	5.84	5.63	5.62	5.64	5.68	5.69	5.77	5.81
Motor Gasoline 7/	12.61	11.34	10.99	11.61	11.35	11.27	11.32	11.29	11.27	11.34	11.38	11.28	11.26
Residual Fuel	3.94	3.22	3.77	4.05	3.86	3.73	3.76	3.77	3.79	3.82	3.84	3.87	3.89
Liquefied Petroleum Gas 8/	16.57	16.12	14.94	15.36	16.04	15.92	15.52	15.75	15.76	15.77	15.99	16.01	16.02
Natural Gas 9/	7.98	8.39	7.17	7.45	7.17	7.03	7.12	7.33	7.56	7.77	7.99	8.15	8.30
Ethanol (E85) 10/	17.72	17.72	17.72	20.74	20.40	20.64	20.85	22.39	22.67	23.03	23.27	23.33	23.43
Electricity	28.45	26.73	23.87	23.40	22.79	21.77	20.87	20.03	20.21	20.20	20.82	20.92	21.35
Average End-Use Energy	11.56	11.37	10.52	10.69	10.32	10.12	9.99	9.92	9.98	10.06	10.25	10.29	10.44
Primary Energy	8.80	8.52	7.87	8.33	8.03	7.90	7.90	7.96	7.98	8.07	8.16	8.20	8.25
Electricity	26.79	26.66	24.67	23.40	22.52	21.87	21.01	20.14	20.39	20.39	21.07	21.18	21.77
Electric Generators 11/													
Fossil Fuel Average	2.49	2.30	2.04	2.10	2.04	2.04	1.99	2.00	2.04	2.09	2.15	2.21	2.26
Petroleum Products	4.47	3.61	4.07	4.38	4.02	3.89	3.92	3.94	3.97	3.99	4.03	4.06	4.09
Distillate Fuel	7.42	5.70	5.50	5.92	5.23	5.05	4.97	4.97	5.01	5.05	5.12	5.19	5.26
Residual Fuel	4.33	3.45	4.00	4.26	3.94	3.82	3.84	3.86	3.88	3.91	3.93	3.96	3.98
Natural Gas	4.64	4.15	3.36	3.63	3.42	3.31	3.25	3.33	3.47	3.60	3.77	3.90	4.02
Steam Coal	1.48	1.45	1.41	1.41	1.40	1.42	1.41	1.38	1.35	1.34	1.32	1.31	1.30
Average Price to All Users 12/													
Petroleum Products 2/	9.94	8.89	8.73	9.40	9.11	8.96	9.00	9.08	9.09	9.17	9.24	9.23	9.25

Table 12. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
Middle Atlantic

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Distillate Fuel	10.23	9.14	8.59	9.31	8.82	8.49	8.57	8.86	8.85	8.97	9.07	9.19	9.16
Jet Fuel	7.33	6.18	5.88	6.30	6.07	5.84	5.63	5.62	5.64	5.68	5.69	5.77	5.81
Liquefied Petroleum Gas	15.15	15.58	14.08	14.45	15.66	15.57	15.20	15.45	15.48	15.49	15.72	15.67	15.39
Motor Gasoline 7/	12.61	11.34	10.99	11.61	11.35	11.27	11.32	11.29	11.27	11.34	11.38	11.28	11.26
Residual Fuel	4.05	3.39	3.93	4.19	3.93	3.81	3.84	3.85	3.87	3.90	3.93	3.95	3.97
Natural Gas	6.77	7.50	6.17	6.40	6.09	5.94	5.86	5.87	5.90	5.97	6.08	6.14	6.22
Coal	1.47	1.45	1.41	1.41	1.40	1.42	1.40	1.38	1.35	1.33	1.32	1.31	1.30
Ethanol (E85) 10/	17.72	17.72	17.72	20.74	20.40	20.64	20.85	22.39	22.67	23.03	23.27	23.33	23.43
Electricity	26.79	26.66	24.67	23.40	22.52	21.87	21.01	20.14	20.39	20.39	21.07	21.18	21.77
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)													
Residential	24.71	25.80	23.17	24.35	23.78	23.32	22.97	22.76	23.03	23.17	23.66	23.87	24.27
Commercial	19.26	19.57	17.78	17.08	16.64	16.36	16.04	15.75	16.17	16.46	17.25	17.59	18.26
Industrial	12.38	11.20	9.82	10.45	10.18	10.00	9.97	10.12	10.49	10.75	11.24	11.54	12.08
Transportation	31.92	28.71	28.11	30.21	29.83	29.99	30.77	31.68	32.28	33.22	34.09	34.63	35.11
Total Non-Renewable Expenditures	88.28	85.28	78.88	82.09	80.42	79.68	79.74	80.31	81.97	83.60	86.24	87.63	89.72
Transportation Renewable Expenditures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Total Expenditures	88.28	85.28	78.88	82.09	80.43	79.68	79.74	80.32	81.97	83.61	86.25	87.64	89.73

Table 12. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
Middle Atlantic

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	13.74	13.90	14.01	14.09	14.11	14.17	14.24	14.35	14.32	14.37	14.44	14.49	14.62	-0.2%
Primary Energy 1/	9.15	9.23	9.24	9.27	9.23	9.25	9.31	9.39	9.40	9.43	9.49	9.54	9.60	-0.3%
Petroleum Products 2/	9.41	9.58	9.59	9.64	9.60	9.71	9.89	9.97	10.03	10.08	10.13	10.17	10.22	0.1%
Distillate Fuel	8.47	8.63	8.62	8.66	8.61	8.71	8.88	8.94	8.99	9.02	9.05	9.07	9.10	-0.1%
Liquefied Petroleum Gas	18.42	18.46	18.51	18.55	18.35	18.39	18.43	18.47	18.53	18.59	18.65	18.70	18.76	0.2%
Natural Gas	9.07	9.10	9.12	9.13	9.10	9.08	9.09	9.17	9.17	9.19	9.25	9.32	9.38	-0.4%
Electricity	27.70	28.07	28.40	28.62	28.71	28.84	28.87	29.01	28.73	28.77	28.79	28.76	29.05	-0.5%
Commercial	13.95	14.27	14.63	14.92	15.05	15.35	15.44	15.58	15.33	15.35	15.29	15.23	15.49	-0.2%
Primary Energy 1/	6.50	6.56	6.58	6.60	6.58	6.58	6.63	6.71	6.72	6.76	6.82	6.88	6.94	-0.3%
Petroleum Products 2/	6.19	6.32	6.31	6.34	6.31	6.39	6.52	6.58	6.62	6.65	6.68	6.72	6.76	0.5%
Distillate Fuel	5.99	6.15	6.13	6.17	6.13	6.23	6.40	6.46	6.50	6.53	6.56	6.59	6.62	0.2%
Residual Fuel	4.29	4.31	4.34	4.36	4.38	4.40	4.42	4.45	4.48	4.51	4.55	4.58	4.61	1.0%
Natural Gas	6.79	6.82	6.85	6.87	6.84	6.82	6.84	6.93	6.94	6.97	7.04	7.12	7.19	-0.6%
Electricity	21.89	22.43	23.15	23.71	24.03	24.64	24.77	24.96	24.38	24.34	24.08	23.83	24.24	-0.5%
Industrial 3/	6.48	6.60	6.71	6.77	6.71	6.76	6.84	6.92	6.91	6.95	7.00	7.04	7.13	0.3%
Primary Energy	5.04	5.11	5.18	5.20	5.10	5.14	5.21	5.28	5.30	5.35	5.40	5.46	5.53	0.5%
Petroleum Products 2/	6.49	6.60	6.72	6.70	6.47	6.55	6.66	6.70	6.75	6.79	6.81	6.85	6.92	0.9%
Distillate Fuel	6.13	6.29	6.28	6.32	6.27	6.37	6.54	6.60	6.64	6.67	6.70	6.73	6.76	0.3%
Liquefied Petroleum Gas	12.95	12.99	13.03	13.08	12.88	12.92	12.96	13.00	13.06	13.12	13.17	13.23	13.29	0.2%
Residual Fuel	4.09	4.12	4.14	4.16	4.18	4.20	4.23	4.25	4.28	4.32	4.35	4.38	4.42	1.1%
Natural Gas 4/	5.04	5.09	5.11	5.14	5.11	5.10	5.12	5.21	5.22	5.25	5.33	5.40	5.47	-0.3%
Metallurgical Coal	1.41	1.41	1.40	1.38	1.37	1.37	1.36	1.35	1.33	1.32	1.32	1.31	1.30	-0.9%
Steam Coal	1.24	1.24	1.23	1.22	1.21	1.22	1.21	1.21	1.20	1.20	1.20	1.20	1.21	-0.5%
Electricity	14.85	15.17	15.57	15.82	15.95	16.11	16.18	16.36	16.16	16.20	16.23	16.17	16.43	-0.1%
Transportation	10.19	10.20	10.19	10.21	10.25	10.26	10.27	10.26	10.32	10.38	10.44	10.42	10.61	0.2%
Primary Energy	10.15	10.15	10.15	10.16	10.20	10.21	10.22	10.21	10.27	10.33	10.40	10.37	10.56	0.2%
Petroleum Products 2/	10.15	10.16	10.15	10.17	10.20	10.22	10.23	10.22	10.27	10.34	10.40	10.38	10.57	0.2%
Distillate Fuel 5/	10.53	10.48	10.47	10.49	10.61	10.68	10.65	10.60	10.73	10.86	10.93	10.69	10.73	0.2%
Jet Fuel 6/	5.95	6.08	6.10	6.13	6.14	6.23	6.35	6.37	6.53	6.68	6.77	6.80	6.82	0.4%
Motor Gasoline 7/	11.22	11.22	11.20	11.22	11.25	11.23	11.23	11.23	11.24	11.27	11.33	11.36	11.64	0.1%
Residual Fuel	3.91	3.93	3.96	3.98	4.00	4.02	4.04	4.07	4.10	4.13	4.17	4.20	4.23	1.2%
Liquefied Petroleum Gas 8/	16.03	16.04	16.05	16.06	15.84	15.85	15.86	15.87	15.90	15.93	15.96	15.98	16.01	0.0%
Natural Gas 9/	8.41	8.48	8.52	8.55	8.53	8.51	8.54	8.64	8.65	8.69	8.76	8.84	8.91	0.2%
Ethanol (E85) 10/	23.49	23.59	23.66	23.76	23.83	23.89	23.95	24.06	24.12	24.22	24.33	24.66	24.59	1.4%
Electricity	21.47	21.65	21.87	21.98	21.89	21.93	21.83	21.83	21.33	21.24	21.05	20.93	21.06	-1.0%
Average End-Use Energy	10.55	10.65	10.74	10.82	10.83	10.90	10.94	10.99	10.96	10.99	11.03	11.02	11.17	-0.1%
Primary Energy	8.33	8.37	8.39	8.41	8.40	8.42	8.46	8.49	8.52	8.57	8.63	8.65	8.78	0.1%
Electricity	22.08	22.49	23.00	23.37	23.55	23.90	23.97	24.14	23.74	23.73	23.62	23.48	23.80	-0.5%
Electric Generators 11/														
Fossil Fuel Average	2.30	2.33	2.37	2.40	2.40	2.40	2.44	2.51	2.54	2.59	2.64	2.67	2.71	0.7%
Petroleum Products	4.11	4.14	4.16	4.19	4.21	4.23	4.26	4.29	4.32	4.36	4.39	4.42	4.45	0.9%
Distillate Fuel	5.34	5.50	5.49	5.53	5.48	5.58	5.75	5.81	5.85	5.88	5.91	5.94	5.97	0.2%
Residual Fuel	4.01	4.03	4.05	4.08	4.10	4.12	4.14	4.17	4.20	4.23	4.27	4.30	4.33	1.0%
Natural Gas	4.10	4.16	4.20	4.24	4.22	4.21	4.25	4.36	4.38	4.43	4.51	4.59	4.67	0.5%
Steam Coal	1.29	1.29	1.28	1.27	1.26	1.26	1.26	1.25	1.25	1.25	1.24	1.24	1.24	-0.7%
Average Price to All Users 12/														
Petroleum Products 2/	9.29	9.34	9.35	9.37	9.36	9.40	9.45	9.45	9.51	9.57	9.63	9.62	9.78	0.4%

Table 12. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
Middle Atlantic

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Distillate Fuel	9.14	9.21	9.21	9.24	9.30	9.40	9.47	9.47	9.58	9.67	9.74	9.62	9.67	0.2%
Jet Fuel	5.95	6.08	6.10	6.13	6.14	6.23	6.35	6.37	6.53	6.68	6.77	6.80	6.82	0.4%
Liquefied Petroleum Gas	14.94	14.97	14.92	14.97	14.75	14.75	14.72	14.76	14.82	14.88	14.94	15.00	15.02	-0.2%
Motor Gasoline 7/	11.22	11.22	11.20	11.22	11.25	11.23	11.23	11.23	11.24	11.27	11.33	11.36	11.64	0.1%
Residual Fuel	4.00	4.02	4.04	4.07	4.09	4.11	4.13	4.16	4.19	4.22	4.26	4.29	4.32	1.0%
Natural Gas	6.29	6.31	6.31	6.31	6.27	6.23	6.23	6.30	6.28	6.29	6.34	6.41	6.46	-0.6%
Coal	1.29	1.29	1.27	1.27	1.26	1.26	1.26	1.25	1.24	1.25	1.24	1.24	1.24	-0.6%
Ethanol (E85) 10/	23.49	23.59	23.66	23.76	23.83	23.89	23.95	24.06	24.12	24.22	24.33	24.66	24.59	1.4%
Electricity	22.08	22.49	23.00	23.37	23.55	23.90	23.97	24.14	23.74	23.73	23.62	23.48	23.80	-0.5%
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)														
Residential	24.39	24.62	24.77	24.97	24.93	25.06	25.21	25.49	25.41	25.56	25.76	26.00	26.24	0.1%
Commercial	18.73	19.26	19.82	20.25	20.48	20.93	21.10	21.37	21.14	21.28	21.27	21.23	21.56	0.4%
Industrial	12.58	12.95	13.28	13.47	13.49	13.72	14.01	14.32	14.44	14.70	14.97	15.26	15.64	1.4%
Transportation	35.54	36.05	36.45	36.90	37.42	37.87	38.34	38.65	39.18	39.80	40.47	40.86	42.04	1.6%
Total Non-Renewable Expenditures	91.24	92.88	94.32	95.60	96.33	97.57	98.66	99.83	100.16	101.34	102.47	103.35	105.48	0.9%
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	9.7%
Total Expenditures	91.24	92.88	94.33	95.61	96.34	97.58	98.68	99.85	100.17	101.36	102.49	103.37	105.49	0.9%

Table 12. Energy Prices by Sector and Source
(2001 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 combined heat and power.
4/ Excludes uses for lease and plant fuel.
5/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.
6/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.
7/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
8/ Includes Federal and State taxes while excluding county and local taxes.
9/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.
10/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
11/ Includes combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
12/ 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 2000 and 2001 are model results and may differ slightly from official EIA data reports.
Sources: 2000 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2000, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_marketing_annual/pma_historical.html (August 2001). 2001 prices for motor gasoline, distillate, and jet fuel are based on the Petroleum Marketing Annual 2001, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (Setember 2002). 2000 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Annual 2000, DOE/EIA-0131(2000) (Washington, DC, November 2001). 2001 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2002/08) (Washington, DC, August 2002). 2000 and 2001 electric power prices: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2000 and 2001 industrial gas delivered prices are based on: EIA, Manufacturing Energy Consumption Survey 1998. 2000 and 2001 coal prices based on EIA, Quarterly Coal Report, October-December 2001, DOE/EIA-0121(2001/4Q) (Washington, DC, May 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. 2000 and 2001 electricity prices: Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 13. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
East North Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	11.33	12.32	10.88	10.99	10.81	10.69	10.54	10.45	10.52	10.52	10.72	10.81	10.97
Primary Energy 1/	7.29	8.52	6.83	7.15	6.97	6.84	6.73	6.77	6.81	6.88	6.99	7.06	7.12
Petroleum Products 2/	11.34	11.91	10.42	10.89	10.79	10.55	10.28	10.45	10.50	10.55	10.75	10.85	10.91
Distillate Fuel	8.93	8.63	7.55	8.49	7.76	7.20	7.12	7.12	7.17	7.22	7.29	7.46	7.51
Liquefied Petroleum Gas	12.41	13.63	11.74	12.16	12.39	12.31	11.94	12.19	12.23	12.26	12.51	12.55	12.59
Natural Gas	6.76	8.08	6.36	6.70	6.50	6.40	6.30	6.33	6.38	6.45	6.55	6.62	6.68
Electricity	23.03	22.51	21.54	21.31	21.06	20.82	20.49	19.93	19.93	19.61	19.90	19.93	20.24
Commercial	11.28	12.10	11.11	10.83	10.66	10.56	10.30	10.15	10.28	10.27	10.52	10.62	10.85
Primary Energy 1/	6.33	7.58	5.85	6.04	5.85	5.77	5.71	5.77	5.85	5.95	6.08	6.16	6.22
Petroleum Products 2/	9.13	8.92	7.93	8.21	7.57	7.42	7.30	7.36	7.41	7.43	7.51	7.64	7.68
Distillate Fuel	7.01	6.39	5.75	6.18	5.38	5.19	5.10	5.10	5.16	5.20	5.27	5.44	5.49
Residual Fuel	2.89	2.82	3.65	3.94	3.40	3.28	3.31	3.33	3.35	3.37	3.40	3.42	3.44
Natural Gas	6.16	7.61	5.75	5.95	5.79	5.72	5.66	5.72	5.81	5.92	6.06	6.13	6.20
Electricity	19.71	19.35	19.21	18.54	18.41	18.23	17.61	17.03	17.15	16.86	17.23	17.29	17.70
Industrial 3/	6.30	6.23	5.47	5.84	5.70	5.62	5.55	5.56	5.68	5.71	5.85	5.90	6.01
Primary Energy	4.76	4.75	4.07	4.36	4.19	4.08	4.04	4.08	4.14	4.20	4.31	4.39	4.45
Petroleum Products 2/	7.11	6.79	5.85	6.34	6.06	5.90	5.88	5.91	5.98	6.02	6.14	6.26	6.32
Distillate Fuel	7.98	7.24	6.30	6.73	5.96	5.77	5.68	5.68	5.74	5.78	5.85	6.02	6.07
Liquefied Petroleum Gas	13.08	14.44	11.59	12.02	12.53	12.45	12.08	12.33	12.37	12.40	12.65	12.69	12.73
Residual Fuel	3.17	3.10	3.75	4.03	3.50	3.38	3.41	3.43	3.45	3.47	3.49	3.52	3.54
Natural Gas 4/	4.48	4.61	3.68	4.00	3.82	3.73	3.65	3.70	3.79	3.89	4.01	4.09	4.17
Metallurgical Coal	1.73	1.76	1.68	1.67	1.65	1.64	1.63	1.61	1.59	1.58	1.57	1.55	1.54
Steam Coal	1.37	1.40	1.41	1.41	1.39	1.39	1.38	1.37	1.35	1.34	1.33	1.32	1.30
Electricity	12.68	12.41	11.80	12.27	12.31	12.28	12.02	11.79	12.07	11.89	12.07	11.92	12.19
Transportation	11.73	11.05	10.16	10.77	10.47	10.35	10.45	10.56	10.52	10.63	10.66	10.64	10.58
Primary Energy	11.70	11.03	10.14	10.75	10.45	10.32	10.43	10.54	10.50	10.61	10.64	10.62	10.56
Petroleum Products 2/	11.71	11.03	10.14	10.75	10.45	10.33	10.44	10.54	10.51	10.61	10.64	10.62	10.56
Distillate Fuel 5/	10.92	10.18	9.35	9.99	9.59	9.32	9.49	10.02	9.92	10.09	10.16	10.27	10.12
Jet Fuel 6/	7.07	6.14	5.74	6.16	5.82	5.58	5.36	5.36	5.38	5.41	5.42	5.65	5.67
Motor Gasoline 7/	12.68	12.02	11.00	11.62	11.36	11.29	11.42	11.40	11.37	11.47	11.49	11.39	11.36
Residual Fuel	3.06	3.60	3.82	4.10	3.82	3.69	3.72	3.74	3.76	3.78	3.81	3.83	3.85
Liquefied Petroleum Gas 8/	18.59	19.01	16.59	17.01	16.37	16.26	15.86	16.08	16.09	16.10	16.33	16.34	16.35
Natural Gas 9/	7.73	8.24	7.22	7.55	7.35	7.24	7.28	7.44	7.61	7.79	7.97	8.08	8.19
Ethanol (E85) 10/	17.72	17.72	17.72	19.08	19.16	19.39	19.60	21.14	21.42	21.79	22.02	22.09	22.18
Electricity	19.73	18.49	17.19	17.66	17.65	17.61	17.00	16.48	16.48	16.18	16.37	16.31	16.50
Average End-Use Energy	9.72	9.85	8.90	9.23	9.00	8.90	8.86	8.86	8.92	8.97	9.09	9.12	9.20
Primary Energy	8.11	8.25	7.21	7.63	7.38	7.28	7.30	7.38	7.42	7.53	7.62	7.66	7.69
Electricity	17.88	17.72	17.36	17.19	17.07	16.92	16.52	16.06	16.19	15.91	16.17	16.12	16.43
Electric Generators 11/													
Fossil Fuel Average	1.33	1.41	1.36	1.39	1.38	1.39	1.37	1.36	1.38	1.41	1.42	1.45	1.46
Petroleum Products	3.93	4.71	5.34	5.84	5.13	4.94	4.85	4.85	4.90	4.93	5.00	5.17	5.21
Distillate Fuel	6.56	5.94	5.53	5.95	5.14	4.95	4.86	4.87	4.92	4.96	5.03	5.20	5.25
Residual Fuel	3.50	4.41	4.15	4.46	4.04	3.91	3.95	3.97	3.99	3.97	3.99	4.02	4.05
Natural Gas	3.54	4.20	2.78	3.12	2.96	2.90	2.83	2.89	3.01	3.17	3.32	3.42	3.51
Steam Coal	1.21	1.24	1.20	1.20	1.19	1.21	1.19	1.18	1.17	1.17	1.16	1.15	1.14
Average Price to All Users 12/													
Petroleum Products 2/	10.66	10.13	9.23	9.83	9.53	9.40	9.48	9.58	9.58	9.67	9.73	9.75	9.73

Table 13. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
East North Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Distillate Fuel	10.22	9.50	8.67	9.29	8.81	8.56	8.68	9.10	9.04	9.20	9.28	9.42	9.31
Jet Fuel	7.07	6.14	5.74	6.16	5.82	5.58	5.36	5.36	5.38	5.41	5.42	5.65	5.67
Liquefied Petroleum Gas	12.67	13.97	11.72	12.16	12.48	12.40	12.04	12.30	12.34	12.39	12.64	12.68	12.73
Motor Gasoline 7/	12.68	12.02	11.00	11.62	11.35	11.28	11.42	11.40	11.37	11.47	11.49	11.39	11.36
Residual Fuel	3.33	3.84	3.77	4.05	3.56	3.44	3.46	3.48	3.50	3.52	3.55	3.57	3.59
Natural Gas	5.67	6.61	4.98	5.31	5.09	5.00	4.91	4.96	5.00	5.06	5.17	5.21	5.28
Coal	1.22	1.25	1.22	1.22	1.21	1.23	1.21	1.20	1.19	1.18	1.17	1.16	1.15
Ethanol (E85) 10/	17.72	17.72	17.72	19.08	19.16	19.39	19.60	21.14	21.42	21.79	22.02	22.09	22.18
Electricity	17.88	17.72	17.36	17.19	17.07	16.92	16.52	16.06	16.19	15.91	16.17	16.12	16.43
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)													
Residential	25.96	27.44	24.95	26.33	26.27	26.16	26.09	26.11	26.58	26.69	27.36	27.69	28.29
Commercial	16.47	17.93	16.77	16.69	16.76	16.82	16.59	16.47	16.75	16.76	17.20	17.41	17.84
Industrial	22.97	21.18	18.57	20.13	20.06	19.89	19.83	20.15	20.88	21.31	22.22	22.77	23.53
Transportation	44.98	42.81	39.90	42.90	42.34	42.59	44.00	45.47	46.36	47.90	49.14	50.06	50.70
Total Non-Renewable Expenditures	110.38	109.36	100.19	106.05	105.43	105.45	106.51	108.21	110.57	112.66	115.92	117.93	120.36
Transportation Renewable Expenditures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Total Expenditures	110.38	109.36	100.19	106.05	105.43	105.46	106.51	108.21	110.58	112.67	115.93	117.94	120.37

Table 13. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
East North Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	11.04	11.16	11.14	11.28	11.21	11.28	11.23	11.43	11.35	11.50	11.47	11.70	11.61	-0.2%
Primary Energy 1/	7.18	7.23	7.25	7.29	7.29	7.26	7.28	7.36	7.35	7.39	7.47	7.55	7.62	-0.5%
Petroleum Products 2/	11.00	11.12	11.18	11.25	11.36	11.44	11.55	11.61	11.72	11.84	11.93	12.01	12.09	0.1%
Distillate Fuel	7.66	7.86	7.91	7.97	8.15	8.27	8.45	8.49	8.66	8.81	8.92	8.97	9.07	0.2%
Liquefied Petroleum Gas	12.63	12.67	12.71	12.75	12.79	12.84	12.88	12.92	12.98	13.04	13.10	13.16	13.22	-0.1%
Natural Gas	6.74	6.78	6.81	6.84	6.84	6.80	6.81	6.90	6.88	6.92	7.00	7.09	7.16	-0.5%
Electricity	20.26	20.46	20.26	20.57	20.27	20.52	20.26	20.69	20.36	20.72	20.39	20.89	20.39	-0.4%
Commercial	10.95	11.14	11.16	11.39	11.32	11.47	11.40	11.70	11.59	11.83	11.76	12.10	11.95	-0.1%
Primary Energy 1/	6.28	6.34	6.37	6.40	6.41	6.39	6.41	6.49	6.49	6.54	6.62	6.70	6.78	-0.5%
Petroleum Products 2/	7.79	7.93	7.98	8.04	8.19	8.28	8.42	8.46	8.59	8.71	8.81	8.86	8.97	0.0%
Distillate Fuel	5.64	5.84	5.89	5.96	6.13	6.25	6.43	6.48	6.64	6.80	6.90	6.96	7.05	0.4%
Residual Fuel	3.46	3.49	3.51	3.53	3.56	3.58	3.60	3.63	3.66	3.70	3.73	3.76	3.80	1.2%
Natural Gas	6.26	6.31	6.34	6.37	6.37	6.34	6.35	6.44	6.43	6.47	6.55	6.64	6.72	-0.5%
Electricity	17.82	18.15	18.09	18.56	18.32	18.67	18.42	18.96	18.63	19.09	18.74	19.37	18.83	-0.1%
Industrial 3/	6.12	6.26	6.29	6.41	6.41	6.50	6.52	6.63	6.60	6.74	6.75	6.93	6.90	0.4%
Primary Energy	4.56	4.65	4.69	4.74	4.79	4.81	4.87	4.88	4.91	4.97	5.05	5.11	5.18	0.4%
Petroleum Products 2/	6.51	6.66	6.73	6.78	6.90	6.99	7.11	6.98	7.08	7.18	7.26	7.30	7.38	0.3%
Distillate Fuel	6.22	6.42	6.47	6.53	6.71	6.83	7.01	7.05	7.22	7.38	7.48	7.53	7.63	0.2%
Liquefied Petroleum Gas	12.77	12.81	12.85	12.89	12.94	12.98	13.02	13.06	13.12	13.18	13.25	13.30	13.36	-0.3%
Residual Fuel	3.56	3.58	3.61	3.63	3.66	3.68	3.70	3.73	3.76	3.79	3.83	3.86	3.90	1.0%
Natural Gas 4/	4.24	4.30	4.33	4.36	4.36	4.34	4.35	4.45	4.44	4.48	4.57	4.66	4.74	0.1%
Metallurgical Coal	1.54	1.53	1.52	1.50	1.49	1.48	1.47	1.46	1.43	1.42	1.41	1.41	1.40	-1.0%
Steam Coal	1.30	1.30	1.30	1.29	1.28	1.28	1.28	1.26	1.26	1.26	1.25	1.25	1.25	-0.5%
Electricity	12.24	12.52	12.46	12.84	12.62	12.91	12.72	13.20	12.93	13.33	13.06	13.60	13.15	0.2%
Transportation	10.51	10.50	10.49	10.53	10.71	10.74	10.74	10.72	10.78	10.86	10.96	11.00	11.21	0.1%
Primary Energy	10.49	10.49	10.47	10.51	10.69	10.72	10.72	10.70	10.76	10.84	10.94	10.98	11.20	0.1%
Petroleum Products 2/	10.49	10.49	10.47	10.51	10.69	10.73	10.73	10.71	10.77	10.85	10.95	10.99	11.20	0.1%
Distillate Fuel 5/	9.98	9.93	9.93	9.96	10.08	10.15	10.12	10.07	10.20	10.33	10.40	10.43	10.49	0.1%
Jet Fuel 6/	5.79	5.91	5.92	5.96	6.11	6.24	6.34	6.35	6.51	6.66	6.75	6.77	6.87	0.5%
Motor Gasoline 7/	11.29	11.29	11.27	11.32	11.53	11.54	11.55	11.56	11.58	11.64	11.76	11.81	12.11	0.0%
Residual Fuel	3.87	3.90	3.92	3.95	3.97	3.99	4.02	4.04	4.08	4.11	4.15	4.18	4.22	0.7%
Liquefied Petroleum Gas 8/	16.36	16.37	16.38	16.39	16.40	16.41	16.42	16.44	16.47	16.50	16.54	16.57	16.60	-0.6%
Natural Gas 9/	8.28	8.34	8.37	8.40	8.39	8.36	8.37	8.47	8.46	8.49	8.56	8.64	8.71	0.2%
Ethanol (E85) 10/	22.25	22.35	22.42	22.52	22.62	22.69	22.75	22.87	22.92	23.03	23.14	23.47	23.40	1.2%
Electricity	16.45	16.53	16.31	16.50	16.15	16.25	15.96	16.19	15.84	16.00	15.68	15.97	15.52	-0.7%
Average End-Use Energy	9.24	9.33	9.34	9.45	9.49	9.57	9.56	9.66	9.65	9.78	9.81	9.96	10.00	0.1%
Primary Energy	7.72	7.77	7.79	7.84	7.95	7.97	8.00	8.01	8.05	8.12	8.21	8.28	8.42	0.1%
Electricity	16.48	16.74	16.64	17.03	16.77	17.07	16.83	17.31	17.01	17.40	17.09	17.64	17.15	-0.1%
Electric Generators 11/														
Fossil Fuel Average	1.48	1.49	1.51	1.53	1.55	1.57	1.60	1.63	1.67	1.70	1.75	1.76	1.80	1.0%
Petroleum Products	5.36	5.55	5.60	5.66	5.84	5.95	6.13	6.17	6.33	6.49	6.59	6.63	6.72	1.5%
Distillate Fuel	5.40	5.60	5.65	5.72	5.89	6.01	6.19	6.24	6.40	6.56	6.66	6.72	6.81	0.6%
Residual Fuel	4.07	4.09	4.12	4.14	4.17	4.19	4.21	4.24	4.27	4.31	4.35	4.38	4.42	0.0%
Natural Gas	3.59	3.65	3.70	3.74	3.76	3.76	3.81	3.92	3.95	4.00	4.10	4.21	4.29	0.1%
Steam Coal	1.14	1.14	1.13	1.13	1.12	1.12	1.11	1.10	1.09	1.09	1.08	1.08	1.08	-0.6%
Average Price to All Users 12/														
Petroleum Products 2/	9.72	9.76	9.77	9.81	9.98	10.03	10.06	10.02	10.09	10.18	10.27	10.32	10.50	0.1%

Table 13. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
East North Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Distillate Fuel	9.25	9.25	9.26	9.30	9.44	9.53	9.54	9.51	9.65	9.79	9.87	9.90	9.97	0.2%
Jet Fuel	5.79	5.91	5.92	5.96	6.11	6.24	6.34	6.35	6.51	6.66	6.75	6.77	6.87	0.5%
Liquefied Petroleum Gas	12.77	12.81	12.86	12.90	12.95	12.99	13.04	13.08	13.14	13.20	13.26	13.32	13.39	-0.2%
Motor Gasoline 7/	11.29	11.29	11.27	11.32	11.53	11.54	11.55	11.56	11.58	11.64	11.76	11.81	12.11	0.0%
Residual Fuel	3.61	3.64	3.66	3.68	3.71	3.73	3.75	3.78	3.81	3.85	3.88	3.91	3.95	0.1%
Natural Gas	5.32	5.37	5.38	5.41	5.39	5.34	5.34	5.43	5.39	5.42	5.48	5.58	5.65	-0.7%
Coal	1.15	1.15	1.14	1.14	1.13	1.13	1.12	1.11	1.10	1.10	1.10	1.09	1.09	-0.6%
Ethanol (E85) 10/	22.25	22.35	22.42	22.52	22.62	22.69	22.75	22.87	22.92	23.03	23.14	23.47	23.40	1.2%
Electricity	16.48	16.74	16.64	17.03	16.77	17.07	16.83	17.31	17.01	17.40	17.09	17.64	17.15	-0.1%
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)														
Residential	28.53	28.98	29.14	29.75	29.69	30.11	30.23	31.06	30.97	31.62	31.81	32.76	32.70	0.7%
Commercial	18.11	18.53	18.69	19.23	19.28	19.74	19.84	20.57	20.61	21.30	21.46	22.36	22.40	0.9%
Industrial	24.12	24.91	25.19	25.80	25.99	26.61	26.95	27.70	27.83	28.77	29.09	30.26	30.39	1.5%
Transportation	51.19	51.95	52.52	53.35	54.89	55.71	56.44	56.91	57.77	58.86	60.12	61.14	63.07	1.6%
Total Non-Renewable Expenditures	121.95	124.36	125.54	128.13	129.85	132.17	133.45	136.23	137.19	140.56	142.48	146.52	148.56	1.3%
Transportation Renewable Expenditures	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	9.6%
Total Expenditures	121.96	124.37	125.55	128.14	129.86	132.18	133.47	136.25	137.20	140.57	142.50	146.54	148.58	1.3%

Table 13. Energy Prices by Sector and Source
(2001 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 combined heat and power.
4/ Excludes uses for lease and plant fuel.
5/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.
6/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.
7/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
8/ Includes Federal and State taxes while excluding county and local taxes.
9/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.
10/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
11/ Includes combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
12/ 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 2000 and 2001 are model results and may differ slightly from official EIA data reports.
Sources: 2000 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2000, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_marketing_annual/pma_historical.html (August 2001). 2001 prices for motor gasoline, distillate, and jet fuel are based on the Petroleum Marketing Annual 2001, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (Setember 2002). 2000 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Annual 2000, DOE/EIA-0131(2000) (Washington, DC, November 2001). 2001 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2002/08) (Washington, DC, August 2002). 2000 and 2001 electric power prices: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2000 and 2001 industrial gas delivered prices are based on: EIA, Manufacturing Energy Consumption Survey 1998. 2000 and 2001 coal prices based on EIA, Quarterly Coal Report, October-December 2001, DOE/EIA-0121(2001/4Q) (Washington, DC, May 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. 2000 and 2001 electricity prices: Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 14. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
West North Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	12.86	13.76	12.16	12.23	12.22	12.19	11.99	11.92	11.97	12.12	12.30	12.38	12.34
Primary Energy 1/	8.02	9.46	7.28	7.53	7.40	7.29	7.18	7.23	7.27	7.32	7.42	7.47	7.51
Petroleum Products 2/	10.20	10.77	9.18	9.66	9.65	9.44	9.14	9.33	9.37	9.40	9.61	9.68	9.72
Distillate Fuel	8.38	7.83	7.21	8.15	7.46	6.90	6.82	6.82	6.88	6.92	7.02	7.19	7.24
Liquefied Petroleum Gas	10.64	11.59	9.66	10.09	10.28	10.18	9.81	10.07	10.10	10.14	10.39	10.43	10.47
Natural Gas	7.40	9.11	6.75	6.99	6.85	6.77	6.71	6.73	6.77	6.83	6.92	6.97	7.02
Electricity	22.50	21.75	21.27	20.91	21.09	21.09	20.63	20.22	20.15	20.33	20.53	20.57	20.27
Commercial	11.74	12.50	11.37	11.17	11.10	11.04	10.85	10.76	10.84	11.06	11.21	11.36	11.25
Primary Energy 1/	6.46	7.78	5.78	5.87	5.73	5.67	5.64	5.70	5.78	5.87	5.99	6.05	6.11
Petroleum Products 2/	8.82	8.69	7.89	8.17	7.71	7.55	7.45	7.54	7.60	7.64	7.75	7.86	7.90
Distillate Fuel	6.93	6.26	5.70	6.14	5.40	5.21	5.13	5.13	5.19	5.23	5.32	5.50	5.55
Residual Fuel	2.71	2.65	3.53	3.81	3.39	3.27	3.29	3.31	3.34	3.36	3.38	3.40	3.43
Natural Gas	6.33	7.89	5.65	5.74	5.63	5.59	5.56	5.63	5.71	5.81	5.94	6.00	6.06
Electricity	18.66	18.44	18.29	17.83	17.85	17.72	17.28	16.90	16.90	17.18	17.29	17.47	17.10
Industrial 3/	6.73	6.52	5.93	6.23	6.16	6.08	5.99	6.02	6.08	6.16	6.28	6.34	6.36
Primary Energy	5.44	5.32	4.79	5.06	4.97	4.86	4.78	4.84	4.89	4.95	5.06	5.14	5.18
Petroleum Products 2/	7.16	6.80	6.47	6.93	6.82	6.65	6.54	6.60	6.65	6.70	6.85	6.95	7.00
Distillate Fuel	7.70	6.62	6.23	6.66	5.95	5.76	5.68	5.68	5.74	5.78	5.87	6.05	6.10
Liquefied Petroleum Gas	9.76	10.31	8.94	9.37	9.43	9.33	8.96	9.22	9.26	9.29	9.54	9.59	9.63
Residual Fuel	2.65	2.58	3.53	3.81	3.42	3.30	3.32	3.34	3.36	3.39	3.41	3.43	3.45
Natural Gas 4/	5.22	5.39	4.05	4.25	4.12	4.05	4.00	4.05	4.12	4.21	4.32	4.40	4.46
Metallurgical Coal	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
Steam Coal	1.23	1.24	1.27	1.25	1.23	1.22	1.21	1.20	1.19	1.18	1.17	1.16	1.15
Electricity	12.45	11.99	11.59	11.76	11.83	11.82	11.61	11.42	11.43	11.59	11.69	11.65	11.49
Transportation	11.28	10.62	9.86	10.47	10.18	10.04	10.18	10.30	10.27	10.39	10.43	10.42	10.35
Primary Energy	11.26	10.60	9.84	10.45	10.16	10.03	10.16	10.29	10.25	10.37	10.41	10.40	10.34
Petroleum Products 2/	11.26	10.61	9.84	10.45	10.17	10.03	10.16	10.29	10.26	10.38	10.42	10.41	10.34
Distillate Fuel 5/	10.69	10.04	9.20	9.83	9.55	9.28	9.46	9.97	9.89	10.05	10.16	10.27	10.12
Jet Fuel 6/	7.28	6.39	6.07	6.49	6.22	5.98	5.77	5.76	5.79	5.82	5.83	6.04	6.05
Motor Gasoline 7/	12.21	11.55	10.72	11.34	11.04	10.97	11.14	11.11	11.09	11.20	11.22	11.12	11.09
Residual Fuel	3.26	2.86	2.99	3.27	2.73	2.60	2.63	2.65	2.67	2.70	2.72	2.74	2.76
Liquefied Petroleum Gas 8/	14.63	15.15	13.58	14.01	13.55	13.42	13.03	13.26	13.27	13.28	13.50	13.52	13.53
Natural Gas 9/	6.66	7.24	6.08	6.32	6.18	6.10	6.21	6.40	6.61	6.81	7.00	7.14	7.26
Ethanol (E85) 10/	17.72	17.72	17.72	18.68	19.07	19.30	19.51	21.05	21.33	21.70	21.93	22.00	22.09
Electricity	18.70	17.96	17.24	17.40	17.43	17.33	16.92	16.56	16.48	16.62	16.70	16.64	16.31
Average End-Use Energy	10.25	10.25	9.37	9.69	9.53	9.44	9.41	9.44	9.47	9.59	9.68	9.72	9.68
Primary Energy	8.63	8.67	7.65	8.08	7.87	7.77	7.81	7.92	7.95	8.05	8.14	8.18	8.18
Electricity	17.99	17.69	17.51	17.23	17.30	17.25	16.86	16.51	16.47	16.67	16.79	16.84	16.55
Electric Generators 11/													
Fossil Fuel Average	1.02	1.05	0.97	0.99	0.97	0.96	0.96	0.94	0.95	0.95	0.95	0.96	0.96
Petroleum Products	6.00	5.22	5.47	5.98	5.18	4.99	4.91	4.89	4.83	4.83	4.92	5.07	5.13
Distillate Fuel	6.67	6.18	5.57	5.99	5.22	5.03	4.94	4.95	5.00	5.05	5.14	5.32	5.36
Residual Fuel	4.50	4.13	3.34	3.63	3.06	2.93	2.96	2.98	3.00	3.02	3.05	3.07	3.09
Natural Gas	4.37	4.26	3.25	3.45	3.31	3.25	3.21	3.22	3.38	3.50	3.63	3.73	3.82
Steam Coal	0.86	0.92	0.87	0.88	0.88	0.90	0.89	0.89	0.88	0.87	0.87	0.87	0.87
Average Price to All Users 12/													
Petroleum Products 2/	10.28	9.77	9.07	9.66	9.42	9.29	9.36	9.48	9.47	9.58	9.65	9.67	9.64

Table 14. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
West North Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Distillate Fuel	9.83	9.10	8.40	9.01	8.62	8.38	8.50	8.89	8.85	8.99	9.11	9.25	9.15
Jet Fuel	7.28	6.39	6.07	6.49	6.22	5.98	5.77	5.76	5.79	5.82	5.83	6.04	6.05
Liquefied Petroleum Gas	10.15	10.89	9.29	9.70	9.82	9.73	9.36	9.61	9.65	9.68	9.92	9.96	9.99
Motor Gasoline 7/	12.22	11.55	10.72	11.34	11.03	10.96	11.14	11.11	11.09	11.20	11.22	11.12	11.09
Residual Fuel	3.27	3.26	3.51	3.80	3.39	3.27	3.30	3.32	3.32	3.33	3.35	3.38	3.40
Natural Gas	6.23	7.36	5.40	5.59	5.47	5.44	5.38	5.44	5.48	5.55	5.65	5.71	5.75
Coal	0.90	0.95	0.91	0.91	0.91	0.93	0.92	0.91	0.91	0.90	0.90	0.90	0.89
Ethanol (E85) 10/	17.72	17.72	17.72	18.68	19.07	19.30	19.51	21.05	21.33	21.70	21.93	22.00	22.09
Electricity	17.99	17.69	17.51	17.23	17.30	17.25	16.86	16.51	16.47	16.67	16.79	16.84	16.55
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)													
Residential	11.58	12.13	11.04	11.42	11.58	11.60	11.51	11.54	11.71	11.90	12.14	12.29	12.35
Commercial	8.26	9.00	8.32	8.32	8.46	8.54	8.51	8.53	8.68	8.92	9.11	9.31	9.33
Industrial	9.61	8.82	7.99	8.49	8.55	8.47	8.43	8.61	8.82	9.11	9.47	9.74	9.90
Transportation	22.54	21.44	20.14	21.83	21.65	21.82	22.65	23.52	24.03	24.91	25.64	26.20	26.57
Total Non-Renewable Expenditures	51.99	51.40	47.49	50.06	50.23	50.42	51.10	52.21	53.25	54.84	56.36	57.54	58.16
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
Total Expenditures	51.99	51.40	47.49	50.07	50.24	50.42	51.11	52.21	53.25	54.84	56.36	57.55	58.16

Table 14. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
West North Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	12.41	12.48	12.51	12.54	12.56	12.55	12.56	12.61	12.61	12.67	12.79	12.93	12.97	-0.2%
Primary Energy 1/	7.56	7.63	7.68	7.70	7.69	7.68	7.69	7.74	7.70	7.74	7.83	7.97	8.09	-0.7%
Petroleum Products 2/	9.79	9.87	9.91	9.96	10.03	10.09	10.16	10.20	10.29	10.37	10.44	10.50	10.57	-0.1%
Distillate Fuel	7.39	7.60	7.64	7.71	7.89	8.01	8.19	8.24	8.40	8.56	8.67	8.72	8.82	0.5%
Liquefied Petroleum Gas	10.51	10.56	10.60	10.64	10.69	10.73	10.77	10.82	10.88	10.94	11.01	11.07	11.13	-0.2%
Natural Gas	7.07	7.15	7.20	7.23	7.20	7.18	7.18	7.24	7.18	7.22	7.32	7.47	7.60	-0.8%
Electricity	20.32	20.27	20.18	20.17	20.18	20.10	20.05	20.04	20.08	20.13	20.24	20.32	20.18	-0.3%
Commercial	11.35	11.41	11.45	11.53	11.56	11.57	11.61	11.71	11.76	11.86	12.04	12.25	12.24	-0.1%
Primary Energy 1/	6.15	6.24	6.29	6.32	6.31	6.31	6.32	6.38	6.34	6.39	6.49	6.64	6.76	-0.6%
Petroleum Products 2/	7.99	8.12	8.15	8.21	8.35	8.43	8.55	8.59	8.70	8.82	8.91	8.97	9.09	0.2%
Distillate Fuel	5.70	5.90	5.95	6.02	6.20	6.32	6.50	6.54	6.71	6.87	6.98	7.03	7.13	0.5%
Residual Fuel	3.45	3.47	3.49	3.52	3.54	3.56	3.59	3.61	3.65	3.68	3.71	3.75	3.78	1.5%
Natural Gas	6.10	6.19	6.24	6.28	6.25	6.24	6.25	6.31	6.26	6.30	6.40	6.56	6.70	-0.7%
Electricity	17.19	17.13	17.10	17.17	17.20	17.17	17.18	17.28	17.36	17.47	17.68	17.88	17.65	-0.2%
Industrial 3/	6.44	6.53	6.58	6.62	6.68	6.72	6.78	6.81	6.85	6.92	7.02	7.11	7.18	0.4%
Primary Energy	5.27	5.38	5.44	5.48	5.54	5.58	5.65	5.68	5.71	5.79	5.87	5.95	6.05	0.5%
Petroleum Products 2/	7.14	7.29	7.36	7.42	7.54	7.63	7.75	7.74	7.86	7.97	8.06	8.12	8.21	0.8%
Distillate Fuel	6.25	6.45	6.50	6.57	6.75	6.87	7.05	7.09	7.26	7.42	7.53	7.58	7.68	0.6%
Liquefied Petroleum Gas	9.67	9.71	9.75	9.80	9.84	9.88	9.93	9.97	10.03	10.10	10.16	10.22	10.28	0.0%
Residual Fuel	3.48	3.50	3.52	3.55	3.57	3.59	3.62	3.64	3.67	3.71	3.74	3.78	3.81	1.6%
Natural Gas 4/	4.51	4.61	4.66	4.70	4.67	4.66	4.68	4.75	4.69	4.72	4.82	4.99	5.12	-0.2%
Metallurgical Coal	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
Steam Coal	1.15	1.14	1.14	1.13	1.12	1.12	1.11	1.10	1.10	1.09	1.09	1.08	1.08	-0.6%
Electricity	11.51	11.50	11.46	11.49	11.52	11.50	11.51	11.56	11.61	11.68	11.79	11.89	11.80	-0.1%
Transportation	10.27	10.27	10.25	10.29	10.47	10.51	10.51	10.49	10.55	10.64	10.74	10.78	10.99	0.1%
Primary Energy	10.26	10.26	10.24	10.28	10.46	10.50	10.50	10.48	10.54	10.63	10.73	10.77	10.98	0.1%
Petroleum Products 2/	10.26	10.26	10.24	10.28	10.47	10.50	10.51	10.48	10.55	10.63	10.74	10.78	10.99	0.1%
Distillate Fuel 5/	9.99	9.94	9.93	9.96	10.09	10.16	10.14	10.08	10.22	10.35	10.42	10.45	10.51	0.2%
Jet Fuel 6/	6.16	6.27	6.27	6.29	6.44	6.56	6.66	6.66	6.82	6.96	7.05	7.07	7.16	0.5%
Motor Gasoline 7/	11.00	11.01	10.98	11.04	11.26	11.27	11.27	11.28	11.31	11.37	11.49	11.55	11.85	0.1%
Residual Fuel	2.79	2.81	2.83	2.86	2.88	2.91	2.93	2.95	2.99	3.02	3.06	3.09	3.13	0.4%
Liquefied Petroleum Gas 8/	13.54	13.55	13.56	13.57	13.59	13.60	13.61	13.63	13.66	13.70	13.73	13.77	13.80	-0.4%
Natural Gas 9/	7.35	7.48	7.55	7.60	7.59	7.59	7.62	7.71	7.65	7.70	7.81	7.98	8.12	0.5%
Ethanol (E85) 10/	22.16	22.26	22.57	22.66	22.76	22.82	22.89	22.98	23.03	23.12	23.25	23.38	23.55	1.2%
Electricity	16.28	16.15	16.00	15.92	15.82	15.65	15.54	15.43	15.33	15.27	15.26	15.23	15.01	-0.7%
Average End-Use Energy	9.70	9.74	9.76	9.81	9.91	9.94	9.96	9.98	10.03	10.11	10.22	10.31	10.43	0.1%
Primary Energy	8.19	8.24	8.27	8.31	8.43	8.46	8.49	8.50	8.54	8.62	8.72	8.80	8.97	0.1%
Electricity	16.60	16.56	16.51	16.55	16.57	16.53	16.52	16.57	16.63	16.70	16.85	16.97	16.81	-0.2%
Electric Generators 11/														
Fossil Fuel Average	0.97	0.96	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.92	-0.6%
Petroleum Products	5.27	5.52	5.58	5.66	5.80	5.93	6.10	6.15	6.31	6.45	6.58	6.62	6.70	1.0%
Distillate Fuel	5.52	5.72	5.77	5.83	6.01	6.13	6.32	6.36	6.53	6.69	6.79	6.85	6.94	0.5%
Residual Fuel	3.11	3.14	3.16	3.18	3.21	3.23	3.25	3.28	3.31	3.35	3.38	3.41	3.45	-0.7%
Natural Gas	3.94	4.03	4.07	4.11	4.08	4.08	4.10	4.19	4.12	4.15	4.24	4.40	4.52	0.3%
Steam Coal	0.87	0.87	0.86	0.86	0.85	0.85	0.85	0.84	0.84	0.84	0.83	0.83	0.83	-0.4%
Average Price to All Users 12/														
Petroleum Products 2/	9.62	9.65	9.66	9.71	9.88	9.93	9.96	9.94	10.02	10.11	10.21	10.26	10.44	0.3%

Table 14. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
West North Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Distillate Fuel	9.10	9.12	9.13	9.17	9.32	9.40	9.43	9.40	9.54	9.68	9.77	9.81	9.88	0.3%
Jet Fuel	6.16	6.27	6.27	6.29	6.44	6.56	6.66	6.66	6.82	6.96	7.05	7.07	7.16	0.5%
Liquefied Petroleum Gas	10.03	10.07	10.11	10.16	10.20	10.24	10.28	10.32	10.38	10.44	10.50	10.56	10.62	-0.1%
Motor Gasoline 7/	11.00	11.01	10.98	11.04	11.26	11.27	11.27	11.28	11.31	11.37	11.50	11.55	11.85	0.1%
Residual Fuel	3.42	3.46	3.48	3.51	3.53	3.55	3.57	3.60	3.63	3.67	3.70	3.73	3.77	0.6%
Natural Gas	5.79	5.89	5.94	5.97	5.95	5.93	5.94	6.00	5.93	5.96	6.06	6.23	6.38	-0.6%
Coal	0.89	0.89	0.88	0.88	0.87	0.87	0.87	0.86	0.86	0.85	0.85	0.85	0.85	-0.5%
Ethanol (E85) 10/	22.16	22.26	22.57	22.66	22.76	22.82	22.89	22.98	23.03	23.12	23.25	23.38	23.55	1.2%
Electricity	16.60	16.56	16.51	16.55	16.57	16.53	16.52	16.57	16.63	16.70	16.85	16.97	16.81	-0.2%
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)														
Residential	12.48	12.63	12.75	12.91	13.00	13.10	13.23	13.44	13.54	13.74	14.00	14.31	14.44	0.7%
Commercial	9.53	9.70	9.86	10.06	10.22	10.36	10.53	10.74	10.89	11.08	11.32	11.56	11.56	1.0%
Industrial	10.12	10.38	10.53	10.67	10.86	11.02	11.27	11.44	11.62	11.90	12.19	12.52	12.78	1.6%
Transportation	26.85	27.29	27.65	28.13	29.01	29.51	29.95	30.23	30.77	31.42	32.17	32.79	33.88	1.9%
Total Non-Renewable Expenditures	58.98	60.00	60.78	61.77	63.10	63.99	64.98	65.86	66.83	68.15	69.69	71.18	72.66	1.5%
Transportation Renewable Expenditures	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	10.0%
Total Expenditures	58.99	60.01	60.79	61.77	63.10	64.00	64.99	65.86	66.84	68.15	69.69	71.18	72.66	1.5%

Table 14. Energy Prices by Sector and Source
(2001 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 combined heat and power.
4/ Excludes uses for lease and plant fuel.
5/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.
6/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.
7/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
8/ Includes Federal and State taxes while excluding county and local taxes.
9/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.
10/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
11/ Includes combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
12/ 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 2000 and 2001 are model results and may differ slightly from official EIA data reports.
Sources: 2000 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2000, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_marketing_annual/pma_historical.html (August 2001). 2001 prices for motor gasoline, distillate, and jet fuel are based on the Petroleum Marketing Annual 2001, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (Setember 2002). 2000 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Annual 2000, DOE/EIA-0131(2000) (Washington, DC, November 2001). 2001 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2002/08) (Washington, DC, August 2002). 2000 and 2001 electric power prices: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2000 and 2001 industrial gas delivered prices are based on: EIA, Manufacturing Energy Consumption Survey 1998. 2000 and 2001 coal prices based on EIA, Quarterly Coal Report, October-December 2001, DOE/EIA-0121(2001/4Q) (Washington, DC, May 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. 2000 and 2001 electricity prices: Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 15. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
South Atlantic

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	17.98	18.96	17.70	17.28	17.32	17.26	16.93	16.73	16.69	16.72	16.93	17.04	17.10
Primary Energy 1/	10.25	11.40	9.26	9.58	9.38	9.16	9.00	9.02	9.04	9.09	9.20	9.27	9.31
Petroleum Products 2/	12.58	12.41	11.23	11.62	11.88	11.57	11.36	11.48	11.54	11.60	11.77	11.92	12.00
Distillate Fuel	9.66	9.00	8.20	9.14	8.41	7.86	7.78	7.78	7.83	7.88	7.94	8.12	8.16
Liquefied Petroleum Gas	16.50	17.53	14.73	15.15	16.57	16.47	16.10	16.36	16.39	16.43	16.68	16.72	16.76
Natural Gas	9.23	10.96	8.45	8.79	8.45	8.30	8.17	8.18	8.21	8.27	8.39	8.45	8.51
Electricity	23.41	24.02	23.24	22.41	22.59	22.59	22.15	21.78	21.67	21.65	21.89	22.00	22.04
Commercial	14.96	15.92	15.01	14.60	14.51	14.46	14.19	14.05	14.09	14.21	14.47	14.64	14.78
Primary Energy 1/	7.56	8.72	6.78	7.03	6.72	6.61	6.53	6.60	6.68	6.77	6.93	7.02	7.09
Petroleum Products 2/	8.30	7.62	7.24	7.57	7.06	6.89	6.77	6.80	6.85	6.88	6.95	7.09	7.12
Distillate Fuel	7.12	6.18	5.74	6.16	5.37	5.20	5.11	5.11	5.17	5.21	5.28	5.45	5.50
Residual Fuel	3.30	3.23	3.84	4.12	3.76	3.64	3.66	3.69	3.71	3.73	3.75	3.77	3.80
Natural Gas	7.58	9.25	6.84	7.09	6.82	6.71	6.64	6.72	6.80	6.92	7.09	7.18	7.26
Electricity	19.96	20.59	20.11	19.38	19.45	19.44	19.02	18.70	18.67	18.75	19.03	19.21	19.33
Industrial 3/	6.67	6.54	5.85	6.16	6.04	5.96	5.90	5.91	5.98	6.03	6.16	6.25	6.33
Primary Energy	4.73	4.55	3.98	4.31	4.09	3.97	3.93	3.97	4.03	4.09	4.21	4.31	4.38
Petroleum Products 2/	6.34	5.65	5.47	5.91	5.68	5.52	5.51	5.52	5.58	5.61	5.71	5.83	5.88
Distillate Fuel	7.38	6.40	6.04	6.46	5.64	5.46	5.38	5.38	5.43	5.48	5.55	5.72	5.77
Liquefied Petroleum Gas	11.69	12.31	11.16	11.58	12.73	12.64	12.27	12.52	12.56	12.59	12.84	12.89	12.93
Residual Fuel	3.55	3.48	3.89	4.18	3.85	3.72	3.75	3.77	3.79	3.82	3.84	3.86	3.88
Natural Gas 4/	4.45	4.71	3.33	3.73	3.45	3.33	3.25	3.33	3.42	3.53	3.71	3.81	3.93
Metallurgical Coal	1.56	1.62	1.54	1.53	1.51	1.50	1.49	1.47	1.45	1.44	1.43	1.41	1.41
Steam Coal	1.67	1.72	1.74	1.73	1.71	1.70	1.70	1.69	1.67	1.66	1.65	1.64	1.62
Electricity	13.00	13.17	12.63	12.60	12.72	12.72	12.51	12.33	12.32	12.28	12.40	12.39	12.44
Transportation	10.86	9.99	9.64	10.24	9.95	9.83	9.95	10.04	10.01	10.12	10.16	10.14	10.09
Primary Energy	10.83	9.96	9.61	10.22	9.92	9.81	9.92	10.02	9.99	10.10	10.13	10.11	10.06
Petroleum Products 2/	10.83	9.96	9.61	10.22	9.93	9.81	9.93	10.02	9.99	10.10	10.14	10.12	10.07
Distillate Fuel 5/	10.55	9.66	8.89	9.52	9.31	9.05	9.23	9.74	9.66	9.82	9.90	10.01	9.86
Jet Fuel 6/	7.32	6.40	5.98	6.40	6.10	5.88	5.66	5.65	5.67	5.71	5.72	5.97	6.00
Motor Gasoline 7/	11.65	10.73	10.47	11.10	10.78	10.71	10.85	10.82	10.80	10.90	10.91	10.82	10.78
Residual Fuel	3.88	3.20	3.50	3.78	3.42	3.30	3.32	3.34	3.37	3.39	3.41	3.43	3.46
Liquefied Petroleum Gas 8/	17.01	17.24	14.95	15.37	16.50	16.37	15.97	16.20	16.22	16.23	16.45	16.47	16.48
Natural Gas 9/	6.51	7.45	5.84	6.29	6.00	5.89	5.95	6.16	6.37	6.58	6.83	6.99	7.15
Ethanol (E85) 10/	17.72	17.72	17.72	20.62	18.09	17.94	18.72	18.73	18.75	18.92	18.94	18.81	22.95
Electricity	20.35	20.69	19.60	19.30	19.42	19.25	18.79	18.41	18.26	18.16	18.27	18.23	18.15
Average End-Use Energy	11.58	11.48	10.86	11.13	10.98	10.91	10.86	10.86	10.86	10.94	11.05	11.10	11.12
Primary Energy	9.10	8.75	8.09	8.60	8.34	8.24	8.30	8.39	8.41	8.52	8.60	8.63	8.63
Electricity	19.74	20.38	19.92	19.28	19.41	19.42	19.04	18.72	18.65	18.65	18.87	18.97	19.03
Electric Generators 11/													
Fossil Fuel Average	2.02	2.18	1.74	1.78	1.76	1.73	1.72	1.71	1.73	1.73	1.73	1.72	1.74
Petroleum Products	4.58	5.41	4.06	4.50	4.24	4.15	4.15	4.16	4.17	4.20	4.20	4.29	4.26
Distillate Fuel	6.70	6.07	5.37	5.80	4.98	4.80	4.72	4.72	4.77	4.82	4.88	5.06	5.10
Residual Fuel	4.43	5.33	3.85	4.13	3.89	3.77	3.79	3.81	3.83	3.85	3.87	3.89	3.91
Natural Gas	4.54	4.64	3.40	3.85	3.63	3.54	3.48	3.56	3.69	3.82	4.01	4.10	4.25
Steam Coal	1.45	1.47	1.47	1.47	1.46	1.45	1.44	1.43	1.42	1.40	1.40	1.39	1.38
Average Price to All Users 12/													
Petroleum Products 2/	9.84	9.11	9.02	9.62	9.36	9.24	9.33	9.42	9.40	9.50	9.55	9.56	9.52

Table 15. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
South Atlantic

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Distillate Fuel	9.80	8.87	8.27	8.90	8.54	8.28	8.40	8.81	8.76	8.90	9.00	9.15	9.05
Jet Fuel	7.32	6.40	5.98	6.40	6.10	5.88	5.66	5.65	5.67	5.71	5.72	5.97	6.00
Liquefied Petroleum Gas	14.85	15.71	13.53	13.91	15.24	15.13	14.76	15.01	15.03	15.05	15.28	15.30	15.33
Motor Gasoline 7/	11.65	10.73	10.47	11.10	10.77	10.71	10.85	10.82	10.80	10.90	10.91	10.82	10.78
Residual Fuel	4.19	4.71	3.71	3.99	3.65	3.53	3.56	3.58	3.62	3.64	3.67	3.68	3.72
Natural Gas	6.18	7.04	5.17	5.62	5.33	5.23	5.14	5.23	5.31	5.44	5.62	5.73	5.82
Coal	1.46	1.48	1.48	1.48	1.47	1.46	1.45	1.45	1.43	1.42	1.41	1.41	1.39
Ethanol (E85) 10/	17.72	17.72	17.72	20.62	18.09	17.94	18.72	18.73	18.75	18.92	18.94	18.81	22.95
Electricity	19.74	20.38	19.92	19.28	19.41	19.42	19.04	18.72	18.65	18.65	18.87	18.97	19.03
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)													
Residential	30.33	31.58	30.16	30.89	31.69	32.10	32.13	32.40	33.03	33.59	34.59	35.32	36.05
Commercial	19.48	21.12	20.30	20.32	20.85	21.35	21.51	21.85	22.48	23.25	24.27	25.20	26.10
Industrial	15.83	14.73	13.12	14.00	13.90	13.75	13.74	13.99	14.36	14.74	15.39	15.92	16.40
Transportation	50.63	47.00	45.97	49.94	49.57	50.23	52.30	54.40	55.91	58.26	60.29	61.90	63.25
Total Non-Renewable Expenditures	116.27	114.43	109.56	115.15	116.01	117.42	119.68	122.63	125.78	129.83	134.54	138.34	141.80
Transportation Renewable Expenditures	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total Expenditures	116.27	114.43	109.56	115.16	116.01	117.43	119.69	122.63	125.79	129.84	134.55	138.35	141.81

Table 15. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
South Atlantic

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	17.19	17.24	17.25	17.27	17.28	17.30	17.33	17.40	17.45	17.50	17.56	17.54	17.51	-0.3%
Primary Energy 1/	9.36	9.36	9.34	9.36	9.38	9.33	9.35	9.45	9.49	9.51	9.55	9.52	9.48	-0.8%
Petroleum Products 2/	12.14	12.30	12.36	12.45	12.58	12.73	12.90	13.02	13.14	13.26	13.37	13.48	13.60	0.4%
Distillate Fuel	8.32	8.48	8.46	8.50	8.61	8.75	8.92	8.98	9.03	9.06	9.10	9.13	9.16	0.1%
Liquefied Petroleum Gas	16.80	16.85	16.89	16.93	16.98	17.02	17.07	17.11	17.17	17.24	17.30	17.36	17.42	0.0%
Natural Gas	8.55	8.53	8.51	8.53	8.54	8.47	8.48	8.60	8.63	8.66	8.70	8.67	8.62	-1.0%
Electricity	22.13	22.20	22.19	22.20	22.18	22.22	22.23	22.27	22.31	22.35	22.41	22.37	22.33	-0.3%
Commercial	14.97	15.08	15.19	15.26	15.34	15.37	15.48	15.59	15.74	15.80	15.95	15.91	15.97	0.0%
Primary Energy 1/	7.16	7.18	7.18	7.20	7.23	7.20	7.24	7.36	7.40	7.44	7.49	7.47	7.45	-0.7%
Petroleum Products 2/	7.23	7.36	7.34	7.37	7.47	7.58	7.72	7.78	7.82	7.85	7.89	7.92	7.96	0.2%
Distillate Fuel	5.65	5.81	5.80	5.84	5.94	6.08	6.25	6.32	6.36	6.40	6.43	6.46	6.50	0.2%
Residual Fuel	3.82	3.84	3.86	3.88	3.91	3.93	3.95	3.97	4.01	4.04	4.07	4.10	4.14	1.0%
Natural Gas	7.32	7.32	7.31	7.34	7.35	7.30	7.32	7.45	7.50	7.54	7.59	7.56	7.53	-0.9%
Electricity	19.54	19.67	19.81	19.87	19.95	19.98	20.09	20.16	20.32	20.36	20.54	20.45	20.52	0.0%
Industrial 3/	6.44	6.52	6.56	6.61	6.66	6.71	6.76	6.80	6.85	6.93	6.97	7.01	7.02	0.3%
Primary Energy	4.49	4.57	4.59	4.63	4.68	4.71	4.77	4.79	4.85	4.90	4.95	4.97	4.99	0.4%
Petroleum Products 2/	6.05	6.18	6.23	6.27	6.37	6.45	6.57	6.46	6.53	6.59	6.65	6.69	6.76	0.7%
Distillate Fuel	5.92	6.08	6.07	6.10	6.21	6.35	6.52	6.59	6.63	6.67	6.70	6.73	6.76	0.2%
Liquefied Petroleum Gas	12.97	13.01	13.05	13.10	13.14	13.19	13.23	13.27	13.34	13.40	13.46	13.52	13.59	0.4%
Residual Fuel	3.90	3.92	3.95	3.97	3.99	4.01	4.03	4.06	4.09	4.12	4.16	4.19	4.22	0.8%
Natural Gas 4/	4.01	4.02	4.03	4.06	4.08	4.04	4.07	4.21	4.27	4.32	4.38	4.36	4.34	-0.3%
Metallurgical Coal	1.40	1.40	1.39	1.37	1.36	1.36	1.34	1.34	1.31	1.31	1.30	1.29	1.29	-1.0%
Steam Coal	1.62	1.62	1.61	1.60	1.59	1.59	1.58	1.56	1.55	1.55	1.54	1.54	1.54	-0.5%
Electricity	12.50	12.60	12.63	12.71	12.70	12.78	12.78	12.89	12.88	12.99	12.99	13.07	13.01	-0.1%
Transportation	10.02	10.02	10.01	10.05	10.23	10.26	10.27	10.26	10.32	10.40	10.50	10.54	10.76	0.3%
Primary Energy	10.00	10.00	9.98	10.02	10.21	10.24	10.25	10.24	10.29	10.37	10.48	10.52	10.74	0.3%
Petroleum Products 2/	10.00	10.00	9.99	10.03	10.21	10.25	10.26	10.24	10.30	10.38	10.48	10.53	10.74	0.3%
Distillate Fuel 5/	9.72	9.67	9.67	9.68	9.81	9.88	9.87	9.81	9.95	10.07	10.14	10.18	10.24	0.2%
Jet Fuel 6/	6.13	6.26	6.27	6.30	6.46	6.59	6.71	6.73	6.89	7.04	7.13	7.16	7.18	0.5%
Motor Gasoline 7/	10.71	10.71	10.69	10.74	10.95	10.97	10.97	10.98	11.00	11.06	11.18	11.23	11.53	0.3%
Residual Fuel	3.48	3.50	3.52	3.54	3.56	3.58	3.60	3.63	3.66	3.70	3.73	3.76	3.79	0.7%
Liquefied Petroleum Gas 8/	16.48	16.50	16.51	16.52	16.54	16.55	16.56	16.58	16.61	16.65	16.68	16.72	16.75	-0.1%
Natural Gas 9/	7.28	7.32	7.35	7.40	7.43	7.40	7.44	7.60	7.68	7.74	7.81	7.80	7.78	0.2%
Ethanol (E85) 10/	23.02	23.12	23.19	23.29	23.40	23.46	23.52	23.64	23.69	23.80	23.91	24.24	24.17	1.3%
Electricity	18.14	18.07	17.98	17.89	17.72	17.60	17.48	17.34	17.19	17.07	16.97	16.81	16.67	-0.9%
Average End-Use Energy	11.15	11.19	11.22	11.27	11.39	11.43	11.46	11.50	11.57	11.64	11.74	11.76	11.88	0.1%
Primary Energy	8.63	8.66	8.66	8.71	8.85	8.88	8.91	8.93	8.98	9.06	9.15	9.19	9.34	0.3%
Electricity	19.16	19.25	19.31	19.36	19.38	19.43	19.48	19.55	19.62	19.67	19.77	19.73	19.74	-0.1%
Electric Generators 11/														
Fossil Fuel Average	1.77	1.78	1.78	1.78	1.77	1.77	1.76	1.78	1.79	1.79	1.78	1.79	1.78	-0.8%
Petroleum Products	4.30	4.38	4.39	4.42	4.43	4.50	4.56	4.54	4.60	4.67	4.72	4.78	4.83	-0.5%
Distillate Fuel	5.26	5.42	5.40	5.44	5.55	5.69	5.86	5.92	5.97	6.00	6.04	6.07	6.10	0.0%
Residual Fuel	3.93	3.95	3.97	3.99	4.01	4.04	4.06	4.08	4.11	4.14	4.18	4.21	4.24	-0.9%
Natural Gas	4.36	4.40	4.40	4.43	4.45	4.41	4.45	4.61	4.69	4.75	4.81	4.77	4.74	0.1%
Steam Coal	1.39	1.38	1.38	1.37	1.37	1.36	1.36	1.34	1.33	1.33	1.33	1.33	1.33	-0.4%
Average Price to All Users 12/														
Petroleum Products 2/	9.49	9.52	9.52	9.57	9.74	9.80	9.83	9.81	9.87	9.95	10.05	10.10	10.30	0.5%

Table 15. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
South Atlantic

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Distillate Fuel	8.99	9.00	9.00	9.02	9.16	9.26	9.29	9.26	9.38	9.50	9.57	9.61	9.68	0.4%
Jet Fuel	6.13	6.26	6.27	6.30	6.46	6.59	6.71	6.73	6.89	7.04	7.13	7.16	7.18	0.5%
Liquefied Petroleum Gas	15.36	15.39	15.43	15.47	15.50	15.54	15.57	15.61	15.66	15.71	15.77	15.82	15.88	0.0%
Motor Gasoline 7/	10.71	10.71	10.69	10.74	10.95	10.97	10.97	10.98	11.00	11.06	11.18	11.23	11.53	0.3%
Residual Fuel	3.74	3.76	3.78	3.80	3.82	3.83	3.85	3.88	3.91	3.94	3.97	4.00	4.03	-0.6%
Natural Gas	5.89	5.88	5.88	5.90	5.91	5.85	5.88	6.01	6.06	6.10	6.16	6.11	6.08	-0.6%
Coal	1.40	1.39	1.39	1.39	1.38	1.37	1.37	1.35	1.34	1.34	1.33	1.34	1.33	-0.4%
Ethanol (E85) 10/	23.02	23.12	23.19	23.29	23.40	23.46	23.52	23.64	23.69	23.80	23.91	24.24	24.17	1.3%
Electricity	19.16	19.25	19.31	19.36	19.38	19.43	19.48	19.55	19.62	19.67	19.77	19.73	19.74	-0.1%
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)														
Residential	36.65	37.28	37.84	38.50	38.92	39.47	40.07	40.88	41.39	42.06	42.78	43.47	43.94	1.4%
Commercial	27.13	28.07	29.00	29.89	30.84	31.73	32.79	33.87	35.04	36.03	37.25	38.06	39.15	2.6%
Industrial	16.88	17.32	17.59	17.88	18.19	18.55	18.98	19.33	19.71	20.20	20.60	21.01	21.29	1.5%
Transportation	64.43	65.96	67.29	68.93	71.60	73.31	74.95	76.23	78.02	80.14	82.57	84.67	88.10	2.7%
Total Non-Renewable Expenditures	145.08	148.64	151.71	155.20	159.55	163.06	166.79	170.30	174.15	178.44	183.20	187.21	192.49	2.2%
Transportation Renewable Expenditures	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	10.7%
Total Expenditures	145.10	148.65	151.73	155.22	159.57	163.07	166.81	170.32	174.17	178.46	183.23	187.23	192.52	2.2%

Table 15. Energy Prices by Sector and Source
(2001 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 combined heat and power.
4/ Excludes uses for lease and plant fuel.
5/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.
6/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.
7/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
8/ Includes Federal and State taxes while excluding county and local taxes.
9/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.
10/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
11/ Includes combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
12/ 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 2000 and 2001 are model results and may differ slightly from official EIA data reports.
Sources: 2000 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2000, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_marketing_annual/pma_historical.html (August 2001). 2001 prices for motor gasoline, distillate, and jet fuel are based on the Petroleum Marketing Annual 2001, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (Setember 2002). 2000 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Annual 2000, DOE/EIA-0131(2000) (Washington, DC, November 2001). 2001 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2002/08) (Washington, DC, August 2002). 2000 and 2001 electric power prices: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2000 and 2001 industrial gas delivered prices are based on: EIA, Manufacturing Energy Consumption Survey 1998. 2000 and 2001 coal prices based on EIA, Quarterly Coal Report, October-December 2001, DOE/EIA-0121(2001/4Q) (Washington, DC, May 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. 2000 and 2001 electricity prices: Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 16. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
East South Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	16.80	17.76	16.34	16.12	16.16	16.12	15.86	15.65	15.60	15.58	15.81	15.93	16.02
Primary Energy 1/	8.99	10.89	8.32	8.65	8.47	8.36	8.21	8.28	8.32	8.39	8.54	8.61	8.68
Petroleum Products 2/	13.65	13.68	12.29	12.64	13.14	12.98	12.66	12.85	12.88	12.92	13.12	13.20	13.25
Distillate Fuel	8.05	7.01	7.14	8.08	7.39	6.84	6.76	6.76	6.81	6.86	6.92	7.10	7.14
Liquefied Petroleum Gas	14.78	15.29	13.24	13.67	14.41	14.32	13.95	14.21	14.24	14.28	14.52	14.56	14.60
Natural Gas	7.81	10.23	7.35	7.78	7.48	7.41	7.31	7.37	7.43	7.52	7.67	7.75	7.83
Electricity	22.68	22.66	22.02	21.39	21.57	21.50	21.11	20.63	20.44	20.28	20.50	20.58	20.63
Commercial	13.73	14.74	13.62	13.33	13.33	13.32	13.10	12.95	12.96	13.00	13.25	13.38	13.50
Primary Energy 1/	6.91	8.80	6.32	6.58	6.34	6.28	6.22	6.31	6.39	6.50	6.68	6.76	6.84
Petroleum Products 2/	9.68	8.98	8.06	8.35	8.15	8.02	7.79	7.84	7.86	7.86	7.94	8.04	8.04
Distillate Fuel	6.63	5.78	5.49	5.91	5.14	4.97	4.88	4.88	4.94	4.98	5.05	5.22	5.27
Residual Fuel	4.06	3.98	4.02	4.30	3.55	3.42	3.45	3.47	3.49	3.51	3.53	3.56	3.58
Natural Gas	6.86	8.98	6.32	6.60	6.34	6.29	6.23	6.32	6.41	6.54	6.73	6.80	6.89
Electricity	19.41	19.64	19.42	18.85	19.07	19.08	18.67	18.27	18.15	18.05	18.28	18.39	18.47
Industrial 3/	6.45	6.35	5.59	5.93	5.88	5.82	5.75	5.76	5.83	5.88	6.03	6.11	6.19
Primary Energy	4.60	4.50	3.83	4.16	4.03	3.93	3.88	3.93	3.99	4.07	4.19	4.28	4.35
Petroleum Products 2/	6.50	5.89	5.56	6.05	5.99	5.82	5.80	5.82	5.89	5.92	6.03	6.15	6.21
Distillate Fuel	6.98	6.16	5.84	6.26	5.50	5.32	5.23	5.24	5.29	5.33	5.40	5.58	5.62
Liquefied Petroleum Gas	11.86	12.62	9.80	10.23	10.97	10.88	10.51	10.76	10.80	10.83	11.08	11.12	11.16
Residual Fuel	3.81	3.72	3.84	4.12	3.28	3.16	3.18	3.20	3.22	3.24	3.27	3.29	3.31
Natural Gas 4/	4.35	4.64	3.12	3.53	3.26	3.19	3.11	3.21	3.30	3.42	3.60	3.69	3.80
Metallurgical Coal	1.72	1.68	1.63	1.62	1.60	1.59	1.58	1.56	1.55	1.54	1.52	1.50	1.49
Steam Coal	1.43	1.45	1.50	1.48	1.46	1.44	1.44	1.43	1.42	1.41	1.39	1.38	1.37
Electricity	12.40	12.46	11.98	12.06	12.20	12.21	12.00	11.80	11.80	11.74	11.88	11.86	11.93
Transportation	11.00	10.07	9.71	10.32	9.95	9.83	9.96	10.08	10.05	10.16	10.20	10.19	10.13
Primary Energy	10.98	10.05	9.69	10.30	9.92	9.81	9.94	10.06	10.03	10.14	10.18	10.17	10.11
Petroleum Products 2/	10.98	10.05	9.69	10.30	9.93	9.81	9.95	10.07	10.03	10.15	10.18	10.17	10.11
Distillate Fuel 5/	10.65	9.51	8.89	9.54	9.22	8.96	9.14	9.66	9.57	9.73	9.81	9.92	9.77
Jet Fuel 6/	7.11	6.07	5.83	6.26	5.86	5.63	5.42	5.41	5.43	5.47	5.50	5.75	5.80
Motor Gasoline 7/	11.92	11.03	10.72	11.34	10.93	10.89	11.05	11.03	11.00	11.11	11.12	11.03	10.99
Residual Fuel	3.03	3.36	3.16	3.44	2.58	2.45	2.47	2.50	2.52	2.54	2.56	2.58	2.61
Liquefied Petroleum Gas 8/	15.45	15.85	14.23	14.66	14.33	14.21	13.81	14.04	14.05	14.06	14.28	14.29	14.30
Natural Gas 9/	8.18	9.01	7.36	7.77	7.47	7.39	7.39	7.55	7.70	7.87	8.08	8.20	8.32
Ethanol (E85) 10/	17.72	17.72	17.72	19.45	18.43	18.30	19.09	19.10	19.11	19.28	19.30	19.17	19.13
Electricity	19.48	19.31	18.38	18.29	18.42	18.35	17.88	17.45	17.24	17.04	17.12	17.07	17.00
Average End-Use Energy	10.43	10.35	9.64	9.94	9.79	9.73	9.69	9.70	9.70	9.76	9.88	9.93	9.95
Primary Energy	8.20	8.05	7.25	7.74	7.48	7.40	7.46	7.56	7.59	7.71	7.80	7.84	7.85
Electricity	17.81	18.02	17.77	17.35	17.52	17.51	17.16	16.80	16.68	16.56	16.73	16.77	16.83
Electric Generators 11/													
Fossil Fuel Average	1.45	1.50	1.40	1.51	1.48	1.42	1.40	1.41	1.48	1.55	1.67	1.78	1.85
Petroleum Products	4.18	4.07	4.01	5.00	3.58	3.59	4.17	4.18	3.92	4.18	4.11	4.32	4.25
Distillate Fuel	6.62	5.61	5.66	6.09	5.30	5.12	5.04	5.04	5.09	5.14	5.20	5.38	5.42
Residual Fuel	3.75	3.88	3.71	4.02	2.91	2.79	2.81	2.83	2.86	2.88	2.90	2.92	2.94
Natural Gas	4.20	3.91	3.13	3.58	3.35	3.22	3.17	3.29	3.47	3.67	3.93	4.08	4.20
Steam Coal	1.23	1.21	1.17	1.18	1.17	1.18	1.16	1.14	1.13	1.11	1.11	1.10	1.11
Average Price to All Users 12/													
Petroleum Products 2/	10.00	9.13	8.85	9.46	9.17	9.06	9.17	9.27	9.27	9.36	9.42	9.44	9.40

Table 16. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
East South Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Distillate Fuel	9.99	8.89	8.37	8.99	8.60	8.37	8.51	8.94	8.88	9.03	9.12	9.25	9.13
Jet Fuel	7.11	6.07	5.83	6.26	5.86	5.63	5.42	5.41	5.43	5.47	5.50	5.75	5.80
Liquefied Petroleum Gas	13.30	13.89	11.54	11.90	12.62	12.52	12.13	12.36	12.37	12.38	12.59	12.61	12.62
Motor Gasoline 7/	11.92	11.03	10.72	11.34	10.93	10.88	11.05	11.03	11.00	11.11	11.12	11.03	10.99
Residual Fuel	3.56	3.77	3.45	3.68	2.77	2.63	2.63	2.65	2.69	2.70	2.73	2.75	2.78
Natural Gas	5.53	6.41	4.44	4.80	4.53	4.51	4.43	4.50	4.54	4.63	4.77	4.82	4.91
Coal	1.24	1.23	1.20	1.20	1.19	1.19	1.18	1.16	1.15	1.13	1.12	1.12	1.13
Ethanol (E85) 10/	17.72	17.72	17.72	19.45	18.43	18.30	19.09	19.10	19.11	19.28	19.30	19.17	19.13
Electricity	17.81	18.02	17.77	17.35	17.52	17.51	17.16	16.80	16.68	16.56	16.73	16.77	16.83
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)													
Residential	10.22	10.42	9.78	9.89	10.03	10.05	9.97	9.92	9.99	10.03	10.24	10.35	10.49
Commercial	8.83	9.53	9.02	9.01	9.24	9.43	9.47	9.58	9.79	10.02	10.39	10.70	11.00
Industrial	10.44	9.75	8.61	9.23	9.25	9.17	9.16	9.32	9.57	9.82	10.28	10.62	10.95
Transportation	19.96	18.45	18.00	19.55	19.21	19.40	20.15	20.92	21.39	22.19	22.84	23.35	23.70
Total Non-Renewable Expenditures	49.44	48.15	45.41	47.67	47.73	48.06	48.75	49.75	50.74	52.05	53.75	55.02	56.14
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
Total Expenditures	49.44	48.15	45.41	47.67	47.73	48.06	48.76	49.75	50.74	52.05	53.75	55.02	56.14

Table 16. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
East South Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	16.09	16.17	16.17	16.28	16.27	16.38	16.38	16.54	16.52	16.68	16.67	16.78	16.70	-0.3%
Primary Energy 1/	8.75	8.74	8.74	8.78	8.81	8.77	8.79	8.91	8.97	9.03	9.10	9.07	9.06	-0.8%
Petroleum Products 2/	13.32	13.41	13.48	13.54	13.63	13.71	13.81	13.88	13.99	14.10	14.21	14.29	14.39	0.2%
Distillate Fuel	7.30	7.50	7.55	7.60	7.77	7.89	8.09	8.13	8.29	8.45	8.56	8.62	8.72	0.9%
Liquefied Petroleum Gas	14.64	14.68	14.73	14.77	14.81	14.85	14.89	14.94	15.00	15.06	15.12	15.18	15.24	0.0%
Natural Gas	7.91	7.90	7.89	7.94	7.96	7.90	7.91	8.06	8.11	8.16	8.22	8.18	8.15	-0.9%
Electricity	20.65	20.73	20.67	20.78	20.71	20.88	20.81	20.94	20.84	21.01	20.91	21.06	20.92	-0.3%
Commercial	13.61	13.72	13.76	13.90	13.92	14.05	14.06	14.26	14.27	14.45	14.46	14.59	14.52	-0.1%
Primary Energy 1/	6.91	6.91	6.91	6.94	6.97	6.92	6.94	7.07	7.13	7.18	7.24	7.21	7.19	-0.8%
Petroleum Products 2/	8.12	8.24	8.27	8.30	8.43	8.51	8.65	8.68	8.81	8.95	9.05	9.13	9.23	0.1%
Distillate Fuel	5.42	5.62	5.67	5.72	5.90	6.02	6.21	6.25	6.42	6.58	6.68	6.75	6.84	0.7%
Residual Fuel	3.60	3.62	3.65	3.67	3.69	3.72	3.74	3.76	3.80	3.83	3.87	3.90	3.93	0.0%
Natural Gas	6.97	6.96	6.95	6.99	7.01	6.95	6.96	7.10	7.16	7.21	7.27	7.23	7.20	-0.9%
Electricity	18.54	18.68	18.70	18.88	18.85	19.06	19.03	19.22	19.14	19.36	19.27	19.47	19.33	-0.1%
Industrial 3/	6.30	6.39	6.43	6.50	6.54	6.60	6.64	6.71	6.75	6.86	6.89	6.95	6.95	0.4%
Primary Energy	4.47	4.54	4.57	4.61	4.67	4.69	4.75	4.78	4.85	4.92	4.98	4.99	5.02	0.5%
Petroleum Products 2/	6.39	6.53	6.60	6.64	6.75	6.84	6.95	6.86	6.95	7.05	7.12	7.17	7.25	0.9%
Distillate Fuel	5.78	5.97	6.02	6.07	6.25	6.37	6.56	6.61	6.77	6.93	7.04	7.10	7.19	0.6%
Liquefied Petroleum Gas	11.20	11.24	11.28	11.33	11.37	11.41	11.45	11.49	11.56	11.62	11.68	11.74	11.80	-0.3%
Residual Fuel	3.33	3.35	3.38	3.40	3.42	3.45	3.47	3.50	3.53	3.56	3.60	3.63	3.66	-0.1%
Natural Gas 4/	3.89	3.90	3.89	3.93	3.96	3.91	3.93	4.08	4.15	4.20	4.26	4.23	4.21	-0.4%
Metallurgical Coal	1.49	1.48	1.47	1.45	1.44	1.44	1.42	1.42	1.39	1.38	1.37	1.37	1.36	-0.9%
Steam Coal	1.37	1.36	1.37	1.36	1.35	1.35	1.35	1.33	1.32	1.32	1.31	1.32	1.32	-0.4%
Electricity	11.97	12.08	12.08	12.21	12.16	12.31	12.26	12.42	12.35	12.51	12.44	12.62	12.49	0.0%
Transportation	10.05	10.05	10.03	10.06	10.24	10.27	10.29	10.27	10.33	10.42	10.52	10.57	10.78	0.3%
Primary Energy	10.03	10.03	10.01	10.04	10.22	10.26	10.28	10.26	10.32	10.40	10.51	10.56	10.77	0.3%
Petroleum Products 2/	10.03	10.03	10.02	10.04	10.23	10.26	10.28	10.26	10.32	10.41	10.51	10.56	10.78	0.3%
Distillate Fuel 5/	9.63	9.58	9.58	9.59	9.72	9.79	9.78	9.72	9.86	9.98	10.05	10.09	10.15	0.3%
Jet Fuel 6/	5.94	6.08	6.11	6.14	6.31	6.45	6.58	6.61	6.78	6.93	7.03	7.08	7.18	0.7%
Motor Gasoline 7/	10.91	10.91	10.88	10.92	11.14	11.15	11.17	11.17	11.20	11.26	11.38	11.45	11.75	0.3%
Residual Fuel	2.63	2.65	2.68	2.70	2.72	2.75	2.77	2.80	2.83	2.87	2.90	2.93	2.97	-0.5%
Liquefied Petroleum Gas 8/	14.31	14.32	14.33	14.34	14.35	14.36	14.38	14.39	14.42	14.46	14.49	14.52	14.55	-0.4%
Natural Gas 9/	8.42	8.43	8.42	8.45	8.46	8.41	8.42	8.56	8.62	8.67	8.72	8.68	8.65	-0.2%
Ethanol (E85) 10/	19.02	19.03	19.00	19.07	19.39	19.40	19.44	19.46	19.50	19.59	19.78	19.91	20.34	0.6%
Electricity	16.93	16.89	16.75	16.75	16.55	16.54	16.37	16.31	16.07	16.05	15.85	15.85	15.62	-0.9%
Average End-Use Energy	9.98	10.04	10.05	10.12	10.22	10.28	10.30	10.36	10.40	10.51	10.56	10.63	10.70	0.1%
Primary Energy	7.87	7.90	7.91	7.95	8.08	8.11	8.14	8.16	8.23	8.31	8.40	8.43	8.56	0.3%
Electricity	16.86	16.97	16.96	17.11	17.05	17.23	17.17	17.34	17.25	17.43	17.34	17.51	17.36	-0.2%
Electric Generators 11/														
Fossil Fuel Average	1.90	1.95	1.93	1.95	1.94	1.96	1.97	2.03	2.07	2.08	2.09	2.13	2.11	1.4%
Petroleum Products	4.34	4.46	4.60	4.68	4.76	4.84	4.95	4.83	5.09	5.01	5.27	5.13	5.19	1.0%
Distillate Fuel	5.58	5.78	5.82	5.88	6.05	6.17	6.37	6.41	6.57	6.73	6.84	6.90	7.00	0.9%
Residual Fuel	2.97	2.99	3.01	3.04	3.06	3.08	3.11	3.13	3.16	3.20	3.23	3.26	3.30	-0.7%
Natural Gas	4.31	4.33	4.32	4.36	4.37	4.34	4.36	4.51	4.60	4.66	4.71	4.68	4.66	0.7%
Steam Coal	1.10	1.09	1.08	1.07	1.06	1.05	1.04	1.04	1.03	1.03	1.02	1.02	1.01	-0.7%
Average Price to All Users 12/														
Petroleum Products 2/	9.38	9.41	9.42	9.45	9.62	9.66	9.71	9.67	9.74	9.83	9.93	9.98	10.16	0.4%

Table 16. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
East South Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Distillate Fuel	9.04	9.03	9.04	9.06	9.20	9.28	9.30	9.26	9.40	9.53	9.61	9.66	9.73	0.4%
Jet Fuel	5.94	6.08	6.11	6.14	6.31	6.45	6.58	6.61	6.78	6.93	7.03	7.08	7.18	0.7%
Liquefied Petroleum Gas	12.64	12.67	12.70	12.73	12.76	12.79	12.82	12.85	12.90	12.95	13.01	13.06	13.11	-0.2%
Motor Gasoline 7/	10.91	10.91	10.88	10.92	11.14	11.15	11.17	11.18	11.20	11.26	11.38	11.45	11.75	0.3%
Residual Fuel	2.80	2.83	2.85	2.87	2.90	2.92	2.94	2.97	3.01	3.05	3.08	3.11	3.15	-0.8%
Natural Gas	4.99	4.97	4.97	5.01	5.03	4.97	4.99	5.12	5.19	5.24	5.30	5.25	5.23	-0.8%
Coal	1.12	1.11	1.10	1.09	1.08	1.07	1.07	1.06	1.05	1.05	1.05	1.04	1.04	-0.7%
Ethanol (E85) 10/	19.02	19.03	19.00	19.07	19.39	19.40	19.44	19.46	19.50	19.59	19.78	19.91	20.34	0.6%
Electricity	16.86	16.97	16.96	17.11	17.05	17.23	17.17	17.34	17.25	17.43	17.34	17.51	17.36	-0.2%
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)														
Residential	10.55	10.66	10.72	10.87	10.90	11.03	11.09	11.29	11.31	11.48	11.55	11.75	11.76	0.5%
Commercial	11.30	11.62	11.87	12.22	12.47	12.81	13.06	13.44	13.65	14.00	14.18	14.48	14.56	1.8%
Industrial	11.27	11.57	11.73	11.96	12.16	12.42	12.68	12.97	13.20	13.58	13.82	14.15	14.31	1.6%
Transportation	23.97	24.39	24.73	25.15	25.97	26.43	26.89	27.17	27.68	28.28	28.98	29.58	30.59	2.1%
Total Non-Renewable Expenditures	57.09	58.23	59.05	60.20	61.50	62.69	63.72	64.87	65.83	67.35	68.53	69.96	71.22	1.6%
Transportation Renewable Expenditures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	9.4%
Total Expenditures	57.09	58.23	59.06	60.21	61.50	62.70	63.72	64.88	65.84	67.36	68.54	69.96	71.23	1.6%

Table 16. Energy Prices by Sector and Source
(2001 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 combined heat and power.
4/ Excludes uses for lease and plant fuel.
5/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.
6/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.
7/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
8/ Includes Federal and State taxes while excluding county and local taxes.
9/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.
10/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
11/ Includes combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
12/ 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 2000 and 2001 are model results and may differ slightly from official EIA data reports.
Sources: 2000 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2000, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_marketing_annual/pma_historical.html (August 2001). 2001 prices for motor gasoline, distillate, and jet fuel are based on the Petroleum Marketing Annual 2001, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (Setember 2002). 2000 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Annual 2000, DOE/EIA-0131(2000) (Washington, DC, November 2001). 2001 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2002/08) (Washington, DC, August 2002). 2000 and 2001 electric power prices: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2000 and 2001 industrial gas delivered prices are based on: EIA, Manufacturing Energy Consumption Survey 1998. 2000 and 2001 coal prices based on EIA, Quarterly Coal Report, October-December 2001, DOE/EIA-0121(2001/4Q) (Washington, DC, May 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. 2000 and 2001 electricity prices: Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 17. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
West South Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	16.78	17.58	15.90	15.96	15.80	15.71	15.57	16.28	15.85	16.77	15.61	16.12	15.78
Primary Energy 1/	7.93	9.54	7.23	7.65	7.36	7.28	7.16	7.23	7.28	7.37	7.52	7.58	7.66
Petroleum Products 2/	12.91	13.20	11.05	11.44	11.69	11.47	11.15	11.32	11.35	11.37	11.57	11.64	11.67
Distillate Fuel	8.52	7.11	6.35	7.29	6.64	6.08	6.00	6.00	6.05	6.10	6.17	6.34	6.39
Liquefied Petroleum Gas	14.03	15.02	12.30	12.72	13.26	13.18	12.81	13.06	13.09	13.13	13.38	13.42	13.46
Natural Gas	7.50	9.24	6.91	7.36	7.04	6.97	6.87	6.94	6.99	7.09	7.24	7.30	7.39
Electricity	23.34	23.46	22.24	21.89	21.75	21.54	21.30	22.35	21.48	22.85	20.71	21.42	20.71
Commercial	14.70	15.85	14.46	14.05	13.77	13.54	13.37	14.32	13.88	15.14	13.69	14.14	13.63
Primary Energy 1/	6.10	7.89	5.44	5.71	5.45	5.41	5.33	5.43	5.53	5.66	5.84	5.92	6.02
Petroleum Products 2/	9.55	9.11	7.58	7.85	7.80	7.71	7.46	7.55	7.62	7.63	7.74	7.85	7.86
Distillate Fuel	6.53	5.66	5.37	5.80	5.09	4.90	4.82	4.82	4.87	4.91	4.98	5.16	5.20
Residual Fuel	3.51	3.44	3.41	3.70	3.14	3.02	3.04	3.06	3.08	3.10	3.12	3.14	3.16
Natural Gas	5.93	7.85	5.32	5.61	5.34	5.30	5.23	5.34	5.43	5.57	5.76	5.84	5.94
Electricity	20.34	21.22	20.48	19.61	19.34	18.95	18.67	20.17	19.32	21.26	18.64	19.25	18.27
Industrial 3/	7.90	7.93	5.71	6.13	6.27	6.18	6.02	6.22	6.27	6.43	6.48	6.59	6.62
Primary Energy	7.54	7.52	5.22	5.67	5.81	5.71	5.54	5.68	5.76	5.83	6.01	6.08	6.15
Petroleum Products 2/	10.15	9.85	6.95	7.42	7.79	7.68	7.46	7.62	7.67	7.71	7.90	7.99	8.03
Distillate Fuel	6.91	6.23	5.80	6.22	5.51	5.32	5.24	5.24	5.29	5.34	5.40	5.58	5.62
Liquefied Petroleum Gas	12.16	12.37	7.74	8.17	9.02	8.93	8.56	8.81	8.85	8.88	9.13	9.17	9.21
Residual Fuel	2.71	2.65	3.44	3.72	3.28	3.16	3.18	3.20	3.22	3.24	3.26	3.28	3.30
Natural Gas 4/	4.30	4.59	3.05	3.47	3.22	3.15	3.06	3.16	3.25	3.38	3.56	3.64	3.76
Metallurgical Coal	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
Steam Coal	1.24	1.26	1.28	1.26	1.26	1.25	1.24	1.23	1.21	1.21	1.18	1.16	1.16
Electricity	12.41	12.96	12.49	12.34	12.30	12.19	12.11	13.06	12.64	13.81	12.34	12.82	12.25
Transportation	9.77	9.03	8.64	9.22	8.94	8.80	8.86	8.98	8.96	9.06	9.11	9.14	9.10
Primary Energy	9.75	9.01	8.62	9.20	8.92	8.78	8.85	8.96	8.94	9.04	9.09	9.12	9.09
Petroleum Products 2/	9.75	9.01	8.62	9.20	8.93	8.79	8.85	8.97	8.95	9.05	9.09	9.13	9.09
Distillate Fuel 5/	10.42	9.59	8.90	9.54	9.25	8.98	9.16	9.68	9.60	9.76	9.83	9.94	9.79
Jet Fuel 6/	6.74	5.81	5.47	5.90	5.65	5.41	5.19	5.18	5.20	5.24	5.27	5.52	5.56
Motor Gasoline 7/	11.71	10.82	10.58	11.21	10.93	10.85	10.97	10.94	10.92	11.01	11.03	10.93	10.91
Residual Fuel	4.89	5.02	3.67	3.95	3.42	3.30	3.32	3.34	3.36	3.38	3.40	3.42	3.44
Liquefied Petroleum Gas 8/	15.46	16.42	13.98	14.40	13.14	13.02	12.62	12.85	12.86	12.87	13.09	13.11	13.11
Natural Gas 9/	3.57	4.66	3.06	3.58	3.28	3.24	3.46	3.83	4.16	4.50	4.83	5.06	5.29
Ethanol (E85) 10/	17.72	17.72	17.72	20.22	19.98	20.22	20.43	21.97	22.25	22.61	19.37	19.24	19.20
Electricity	19.16	20.01	18.99	18.41	18.21	17.88	17.54	18.55	17.87	19.17	17.32	17.92	17.25
Average End-Use Energy	9.57	9.56	7.99	8.39	8.38	8.28	8.19	8.46	8.42	8.68	8.53	8.66	8.61
Primary Energy	8.27	8.14	6.48	6.97	6.96	6.86	6.79	6.92	6.98	7.07	7.20	7.27	7.31
Electricity	18.78	19.40	18.73	18.27	18.12	17.91	17.69	18.83	18.09	19.56	17.49	18.08	17.34
Electric Generators 11/													
Fossil Fuel Average	2.73	2.65	1.94	2.15	2.04	2.02	1.99	2.03	2.13	2.19	2.26	2.32	2.39
Petroleum Products	6.42	5.26	5.28	5.85	4.98	4.80	4.72	4.73	4.77	4.78	4.88	5.04	5.06
Distillate Fuel	6.12	6.52	5.46	5.88	5.01	4.81	4.73	4.73	4.78	4.83	4.90	5.07	5.12
Residual Fuel	7.08	4.89	4.26	4.54	4.17	4.05	4.06	4.06	4.10	4.13	4.14	4.17	4.19
Natural Gas	4.35	4.21	2.99	3.40	3.15	3.10	3.04	3.16	3.29	3.44	3.64	3.74	3.87
Steam Coal	1.16	1.22	1.18	1.20	1.22	1.25	1.24	1.23	1.22	1.21	1.21	1.20	1.20
Average Price to All Users 12/													
Petroleum Products 2/	10.10	9.56	7.98	8.51	8.55	8.43	8.37	8.51	8.52	8.59	8.70	8.76	8.76

Table 17. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
West South Central

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Distillate Fuel	9.54	8.82	8.20	8.80	8.44	8.20	8.33	8.76	8.71	8.86	8.95	9.08	8.98
Jet Fuel	6.74	5.81	5.47	5.90	5.65	5.41	5.19	5.18	5.20	5.24	5.27	5.52	5.56
Liquefied Petroleum Gas	12.19	12.42	7.83	8.24	9.09	9.00	8.63	8.88	8.92	8.95	9.20	9.24	9.27
Motor Gasoline 7/	11.71	10.82	10.58	11.21	10.92	10.85	10.97	10.94	10.92	11.01	11.03	10.93	10.91
Residual Fuel	4.92	4.91	3.67	3.94	3.42	3.29	3.32	3.34	3.36	3.38	3.40	3.42	3.44
Natural Gas	4.63	5.00	3.48	3.89	3.64	3.59	3.51	3.61	3.70	3.83	4.00	4.09	4.20
Coal	1.16	1.23	1.18	1.20	1.22	1.25	1.24	1.23	1.22	1.21	1.21	1.20	1.20
Ethanol (E85) 10/	17.72	17.72	17.72	20.22	19.98	20.22	20.43	21.97	22.25	22.61	19.37	19.24	19.20
Electricity	18.78	19.40	18.73	18.27	18.12	17.91	17.69	18.83	18.09	19.56	17.49	18.08	17.34
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)													
Residential	17.77	18.60	17.23	17.85	18.04	18.18	18.30	19.36	19.16	20.42	19.34	20.23	20.14
Commercial	11.75	12.93	11.98	11.94	12.05	12.11	12.19	13.23	13.02	14.34	13.21	13.88	13.62
Industrial	47.03	43.46	32.93	35.77	36.49	35.93	35.46	37.31	38.13	40.11	41.51	43.36	44.48
Transportation	39.26	36.21	34.75	37.86	37.45	37.77	39.14	40.82	41.95	43.70	45.22	46.66	47.67
Total Non-Renewable Expenditures	115.81	111.20	96.89	103.42	104.03	103.99	105.09	110.72	112.26	118.57	119.27	124.14	125.91
Transportation Renewable Expenditures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
Total Expenditures	115.81	111.20	96.89	103.42	104.04	103.99	105.09	110.73	112.26	118.58	119.28	124.14	125.91

Table 17. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
West South Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	16.24	15.91	16.04	16.01	16.12	16.05	16.19	16.49	16.66	16.93	16.91	17.04	16.74	-0.2%
Primary Energy 1/	7.74	7.72	7.71	7.74	7.76	7.70	7.70	7.83	7.87	7.92	7.97	7.92	7.88	-0.8%
Petroleum Products 2/	11.74	11.83	11.87	11.92	12.00	12.07	12.15	12.20	12.29	12.38	12.46	12.53	12.60	-0.2%
Distillate Fuel	6.54	6.74	6.79	6.85	7.03	7.15	7.33	7.37	7.54	7.69	7.80	7.85	7.95	0.5%
Liquefied Petroleum Gas	13.50	13.54	13.58	13.62	13.66	13.71	13.75	13.79	13.85	13.91	13.97	14.03	14.09	-0.3%
Natural Gas	7.47	7.45	7.44	7.47	7.49	7.42	7.43	7.56	7.61	7.65	7.70	7.65	7.61	-0.8%
Electricity	21.35	20.78	20.95	20.82	20.96	20.85	21.05	21.43	21.67	22.05	21.98	22.19	21.73	-0.3%
Commercial	13.98	13.63	13.73	13.72	13.83	13.81	14.02	14.46	14.76	15.22	15.29	15.59	15.27	-0.2%
Primary Energy 1/	6.11	6.10	6.10	6.14	6.17	6.12	6.14	6.28	6.34	6.40	6.46	6.42	6.39	-0.9%
Petroleum Products 2/	7.95	8.08	8.12	8.17	8.30	8.38	8.50	8.54	8.65	8.77	8.86	8.91	9.01	0.0%
Distillate Fuel	5.36	5.56	5.60	5.67	5.85	5.97	6.15	6.19	6.35	6.51	6.62	6.67	6.76	0.7%
Residual Fuel	3.19	3.21	3.23	3.25	3.28	3.30	3.32	3.34	3.38	3.41	3.45	3.48	3.51	0.1%
Natural Gas	6.03	6.01	6.01	6.05	6.08	6.02	6.04	6.18	6.24	6.30	6.35	6.31	6.28	-0.9%
Electricity	18.72	18.10	18.22	18.13	18.25	18.21	18.50	19.08	19.49	20.16	20.21	20.69	20.18	-0.2%
Industrial 3/	6.74	6.74	6.77	6.81	6.86	6.87	6.92	7.01	7.09	7.18	7.24	7.27	7.26	-0.4%
Primary Energy	6.25	6.29	6.31	6.35	6.40	6.41	6.45	6.51	6.57	6.63	6.69	6.70	6.72	-0.5%
Petroleum Products 2/	8.13	8.20	8.24	8.28	8.34	8.39	8.44	8.44	8.51	8.57	8.64	8.69	8.75	-0.5%
Distillate Fuel	5.78	5.98	6.03	6.09	6.27	6.39	6.57	6.61	6.77	6.93	7.04	7.09	7.18	0.6%
Liquefied Petroleum Gas	9.25	9.29	9.33	9.38	9.42	9.46	9.50	9.54	9.61	9.67	9.73	9.79	9.85	-0.9%
Residual Fuel	3.33	3.35	3.37	3.39	3.42	3.44	3.46	3.49	3.52	3.55	3.59	3.62	3.65	1.3%
Natural Gas 4/	3.85	3.85	3.85	3.89	3.91	3.87	3.89	4.04	4.10	4.17	4.23	4.19	4.17	-0.4%
Metallurgical Coal	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
Steam Coal	1.15	1.15	1.14	1.14	1.13	1.12	1.12	1.11	1.11	1.10	1.10	1.10	1.09	-0.6%
Electricity	12.63	12.18	12.30	12.25	12.38	12.35	12.59	13.01	13.30	13.71	13.74	13.99	13.64	0.2%
Transportation	9.08	9.09	9.09	9.13	9.30	9.35	9.37	9.36	9.44	9.53	9.63	9.67	9.85	0.4%
Primary Energy	9.06	9.08	9.07	9.11	9.28	9.33	9.35	9.34	9.42	9.51	9.61	9.65	9.83	0.4%
Petroleum Products 2/	9.06	9.08	9.08	9.12	9.28	9.34	9.36	9.35	9.42	9.52	9.62	9.65	9.84	0.4%
Distillate Fuel 5/	9.65	9.60	9.60	9.63	9.75	9.82	9.79	9.74	9.87	10.00	10.07	10.10	10.16	0.2%
Jet Fuel 6/	5.70	5.84	5.86	5.90	6.07	6.21	6.32	6.34	6.51	6.66	6.76	6.79	6.89	0.7%
Motor Gasoline 7/	10.84	10.84	10.82	10.87	11.08	11.09	11.10	11.11	11.13	11.19	11.31	11.35	11.65	0.3%
Residual Fuel	3.47	3.49	3.51	3.53	3.56	3.58	3.60	3.63	3.66	3.69	3.73	3.76	3.80	-1.2%
Liquefied Petroleum Gas 8/	13.12	13.13	13.14	13.15	13.16	13.18	13.19	13.20	13.24	13.27	13.30	13.33	13.37	-0.9%
Natural Gas 9/	5.48	5.54	5.60	5.68	5.74	5.73	5.80	5.98	6.09	6.20	6.29	6.28	6.28	1.2%
Ethanol (E85) 10/	19.08	19.10	19.07	19.16	19.47	19.49	19.51	19.52	19.56	19.66	19.84	19.92	20.36	0.6%
Electricity	17.74	17.16	17.25	17.10	17.13	16.96	17.09	17.37	17.50	17.76	17.63	17.74	17.27	-0.6%
Average End-Use Energy	8.72	8.68	8.72	8.75	8.86	8.87	8.93	9.03	9.13	9.26	9.32	9.38	9.40	-0.1%
Primary Energy	7.36	7.40	7.41	7.46	7.56	7.59	7.62	7.67	7.74	7.81	7.89	7.91	8.00	-0.1%
Electricity	17.83	17.29	17.43	17.35	17.48	17.42	17.66	18.12	18.42	18.89	18.89	19.19	18.75	-0.1%
Electric Generators 11/														
Fossil Fuel Average	2.44	2.44	2.45	2.48	2.49	2.49	2.51	2.60	2.63	2.68	2.72	2.74	2.70	0.1%
Petroleum Products	5.14	5.36	5.43	5.47	5.62	5.80	5.97	5.88	6.02	6.15	6.30	6.29	6.40	0.8%
Distillate Fuel	5.27	5.47	5.52	5.58	5.76	5.88	6.06	6.10	6.27	6.42	6.53	6.58	6.68	0.1%
Residual Fuel	4.21	4.23	4.26	4.28	4.30	4.32	4.35	4.37	4.41	4.44	4.47	4.51	4.54	-0.3%
Natural Gas	3.97	3.97	3.97	4.02	4.04	4.00	4.03	4.18	4.25	4.32	4.38	4.35	4.33	0.1%
Steam Coal	1.19	1.19	1.18	1.18	1.17	1.16	1.15	1.14	1.14	1.13	1.13	1.12	1.12	-0.4%
Average Price to All Users 12/														
Petroleum Products 2/	8.79	8.83	8.84	8.88	9.00	9.06	9.09	9.08	9.15	9.23	9.32	9.36	9.49	0.0%

Table 17. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
West South Central

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Distillate Fuel	8.91	8.92	8.93	8.97	9.11	9.19	9.21	9.17	9.31	9.45	9.53	9.57	9.64	0.4%
Jet Fuel	5.70	5.84	5.86	5.90	6.07	6.21	6.32	6.34	6.51	6.66	6.76	6.79	6.89	0.7%
Liquefied Petroleum Gas	9.31	9.35	9.39	9.44	9.48	9.52	9.56	9.60	9.66	9.72	9.78	9.84	9.90	-0.9%
Motor Gasoline 7/	10.84	10.84	10.82	10.87	11.08	11.09	11.10	11.11	11.13	11.19	11.31	11.35	11.65	0.3%
Residual Fuel	3.47	3.49	3.51	3.53	3.56	3.58	3.60	3.63	3.66	3.70	3.73	3.76	3.80	-1.1%
Natural Gas	4.29	4.29	4.28	4.32	4.35	4.30	4.32	4.47	4.53	4.59	4.65	4.61	4.59	-0.4%
Coal	1.19	1.19	1.18	1.18	1.17	1.16	1.15	1.14	1.14	1.13	1.13	1.12	1.12	-0.4%
Ethanol (E85) 10/	19.08	19.10	19.07	19.16	19.47	19.49	19.51	19.52	19.56	19.66	19.84	19.92	20.36	0.6%
Electricity	17.83	17.29	17.43	17.35	17.48	17.42	17.66	18.12	18.42	18.89	18.89	19.19	18.75	-0.1%
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)														
Residential	20.89	20.77	21.23	21.52	21.89	22.10	22.61	23.37	23.84	24.52	24.84	25.47	25.38	1.3%
Commercial	14.15	13.98	14.25	14.39	14.66	14.81	15.22	15.86	16.36	17.03	17.26	17.78	17.63	1.3%
Industrial	45.98	46.62	47.39	48.11	49.17	49.95	51.24	52.68	54.09	55.71	56.98	58.19	58.94	1.3%
Transportation	48.67	49.88	50.87	52.09	54.06	55.42	56.66	57.57	59.04	60.73	62.50	63.98	66.38	2.6%
Total Non-Renewable Expenditures	129.69	131.25	133.74	136.11	139.77	142.28	145.72	149.49	153.33	157.99	161.58	165.41	168.33	1.7%
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	9.9%
Total Expenditures	129.70	131.26	133.74	136.12	139.78	142.29	145.73	149.50	153.34	158.00	161.59	165.42	168.34	1.7%

Table 17. Energy Prices by Sector and Source
(2001 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 combined heat and power.
4/ Excludes uses for lease and plant fuel.
5/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.
6/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.
7/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
8/ Includes Federal and State taxes while excluding county and local taxes.
9/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.
10/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
11/ Includes combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
12/ 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 2000 and 2001 are model results and may differ slightly from official EIA data reports.
Sources: 2000 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2000, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_marketing_annual/pma_historical.html (August 2001). 2001 prices for motor gasoline, distillate, and jet fuel are based on the Petroleum Marketing Annual 2001, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (Setember 2002). 2000 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Annual 2000, DOE/EIA-0131(2000) (Washington, DC, November 2001). 2001 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2002/08) (Washington, DC, August 2002). 2000 and 2001 electric power prices: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2000 and 2001 industrial gas delivered prices are based on: EIA, Manufacturing Energy Consumption Survey 1998. 2000 and 2001 coal prices based on EIA, Quarterly Coal Report, October-December 2001, DOE/EIA-0121(2001/4Q) (Washington, DC, May 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. 2000 and 2001 electricity prices: Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 18. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
Mountain

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	12.95	14.25	12.79	12.28	12.35	12.45	12.34	12.35	12.60	12.74	12.93	12.90	12.97
Primary Energy 1/	7.02	8.68	6.71	6.73	6.67	6.66	6.58	6.62	6.78	6.80	6.80	6.76	6.68
Petroleum Products 2/	11.85	11.99	10.68	11.15	11.36	11.14	10.85	11.04	11.08	11.13	11.34	11.44	11.50
Distillate Fuel	8.58	7.79	7.57	8.52	7.98	7.42	7.34	7.34	7.39	7.43	7.50	7.68	7.72
Liquefied Petroleum Gas	13.00	13.72	11.82	12.24	12.75	12.66	12.29	12.54	12.58	12.61	12.86	12.90	12.94
Natural Gas	6.52	8.36	6.31	6.34	6.27	6.29	6.23	6.27	6.45	6.48	6.46	6.43	6.35
Electricity	22.00	22.55	22.08	20.73	21.05	21.30	21.16	21.12	21.45	21.73	22.23	22.23	22.57
Commercial	11.79	13.10	12.14	11.35	11.34	11.34	11.26	11.29	11.61	11.82	12.13	12.17	12.44
Primary Energy 1/	5.64	7.16	5.30	5.23	5.21	5.27	5.26	5.34	5.56	5.63	5.67	5.66	5.61
Petroleum Products 2/	8.99	8.46	7.61	7.83	7.48	7.37	7.22	7.26	7.31	7.35	7.44	7.58	7.61
Distillate Fuel	7.15	6.40	6.09	6.52	5.89	5.70	5.61	5.62	5.67	5.71	5.78	5.96	6.00
Residual Fuel	4.56	4.46	3.33	3.61	3.24	3.12	3.15	3.17	3.19	3.21	3.23	3.26	3.28
Natural Gas	5.48	7.21	5.21	5.14	5.13	5.21	5.22	5.30	5.54	5.61	5.65	5.63	5.57
Electricity	18.52	19.51	19.55	18.07	18.08	17.95	17.73	17.63	17.95	18.22	18.74	18.76	19.30
Industrial 3/	6.32	6.40	6.01	6.07	6.03	5.99	5.96	6.00	6.17	6.24	6.34	6.37	6.43
Primary Energy	4.75	4.79	4.36	4.56	4.42	4.33	4.29	4.33	4.43	4.48	4.53	4.58	4.58
Petroleum Products 2/	6.33	6.08	5.81	6.26	6.09	5.89	5.82	5.82	5.86	5.90	5.99	6.09	6.14
Distillate Fuel	6.94	6.50	6.38	6.80	6.17	5.98	5.90	5.90	5.95	6.00	6.06	6.24	6.28
Liquefied Petroleum Gas	11.28	11.86	8.77	9.21	9.54	9.46	9.09	9.34	9.38	9.41	9.66	9.70	9.74
Residual Fuel	3.30	3.23	3.72	4.01	3.62	3.50	3.53	3.55	3.57	3.59	3.62	3.64	3.66
Natural Gas 4/	4.13	4.44	3.59	3.57	3.53	3.57	3.55	3.63	3.85	3.91	3.93	3.93	3.88
Metallurgical Coal	1.41	1.46	1.43	1.43	1.41	1.40	1.39	1.38	1.37	1.36	1.35	1.34	1.34
Steam Coal	1.41	1.41	1.43	1.41	1.39	1.38	1.38	1.36	1.35	1.34	1.31	1.31	1.30
Electricity	11.47	11.85	11.95	11.33	11.42	11.47	11.41	11.41	11.68	11.81	12.04	11.94	12.13
Transportation	11.78	10.97	10.34	10.94	10.87	10.74	10.85	10.97	10.94	11.05	11.08	11.06	11.00
Primary Energy	11.76	10.95	10.31	10.92	10.85	10.72	10.83	10.95	10.92	11.03	11.05	11.04	10.98
Petroleum Products 2/	11.76	10.95	10.31	10.92	10.86	10.72	10.83	10.96	10.92	11.04	11.06	11.06	10.99
Distillate Fuel 5/	11.37	10.45	9.65	10.30	10.17	9.91	10.07	10.60	10.50	10.66	10.74	10.85	10.70
Jet Fuel 6/	7.80	6.70	6.45	6.87	6.64	6.40	6.18	6.17	6.19	6.23	6.17	6.34	6.32
Motor Gasoline 7/	12.85	12.09	11.41	12.03	12.01	11.94	12.09	12.06	12.04	12.14	12.16	12.06	12.03
Residual Fuel	3.19	3.36	3.52	3.39	3.42	3.43	3.45	3.45	3.47	3.49	3.50	3.52	3.54
Liquefied Petroleum Gas 8/	16.08	17.04	14.23	14.66	13.58	13.46	13.06	13.29	13.30	13.31	13.53	13.55	13.55
Natural Gas 9/	5.65	6.00	4.86	5.15	5.21	5.34	5.52	5.74	6.14	6.35	6.49	6.56	6.59
Ethanol (E85) 10/	17.72	17.72	17.72	20.43	19.19	19.43	19.64	21.18	21.46	21.82	22.06	22.12	22.22
Electricity	18.92	19.40	19.25	18.11	18.23	18.30	18.09	18.00	18.21	18.36	18.66	18.54	18.68
Average End-Use Energy	10.55	10.65	9.92	10.04	10.05	10.01	10.03	10.11	10.23	10.36	10.47	10.48	10.52
Primary Energy	8.97	8.88	8.02	8.42	8.38	8.33	8.41	8.53	8.60	8.71	8.77	8.79	8.76
Electricity	17.42	18.24	18.25	17.06	17.22	17.28	17.13	17.08	17.38	17.61	18.02	18.00	18.36
Electric Generators 11/													
Fossil Fuel Average	1.56	1.79	1.35	1.49	1.51	1.51	1.46	1.37	1.45	1.42	1.44	1.42	1.43
Petroleum Products	4.65	6.74	6.33	6.76	6.06	5.87	5.78	5.79	5.84	5.88	5.95	6.12	6.17
Distillate Fuel	8.15	7.72	6.33	6.76	6.06	5.87	5.78	5.79	5.84	5.88	5.95	6.12	6.17
Residual Fuel	4.49	6.52	4.54	4.82	4.43	4.31	4.34	4.36	4.34	4.36	4.42	4.40	4.46
Natural Gas	4.61	5.32	2.91	3.31	3.45	3.59	3.61	3.63	3.95	4.03	4.11	4.09	4.07
Steam Coal	1.07	1.07	1.04	1.04	1.03	1.03	1.01	1.00	0.98	0.98	0.97	0.97	0.97
Average Price to All Users 12/													
Petroleum Products 2/	10.82	10.11	9.57	10.17	10.12	9.99	10.08	10.20	10.19	10.30	10.35	10.37	10.34

Table 18. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
Mountain

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Distillate Fuel	10.29	9.47	8.83	9.45	9.21	8.98	9.11	9.54	9.49	9.65	9.76	9.90	9.81
Jet Fuel	7.80	6.70	6.45	6.87	6.64	6.40	6.18	6.17	6.19	6.23	6.17	6.34	6.32
Liquefied Petroleum Gas	12.51	13.25	10.92	11.33	11.74	11.66	11.29	11.54	11.57	11.60	11.83	11.87	11.90
Motor Gasoline 7/	12.85	12.09	11.41	12.03	12.00	11.93	12.08	12.06	12.04	12.14	12.16	12.06	12.02
Residual Fuel	4.29	6.25	3.72	4.00	3.61	3.49	3.52	3.53	3.56	3.58	3.60	3.62	3.65
Natural Gas	5.21	6.33	4.43	4.49	4.53	4.63	4.65	4.77	4.99	5.07	5.10	5.10	5.04
Coal	1.08	1.08	1.06	1.06	1.05	1.04	1.03	1.01	1.00	0.99	0.99	0.99	0.98
Ethanol (E85) 10/	17.72	17.72	17.72	20.43	19.19	19.43	19.64	21.18	21.46	21.82	22.06	22.12	22.22
Electricity	17.42	18.24	18.25	17.06	17.22	17.28	17.13	17.08	17.38	17.61	18.02	18.00	18.36
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)													
Residential	8.15	9.08	8.47	8.52	8.85	9.10	9.23	9.45	9.85	10.12	10.48	10.68	11.00
Commercial	5.86	6.82	6.45	6.24	6.43	6.54	6.61	6.78	7.14	7.48	7.91	8.17	8.57
Industrial	5.74	5.59	5.26	5.38	5.46	5.47	5.53	5.68	5.96	6.15	6.39	6.55	6.73
Transportation	20.60	19.35	18.45	20.23	20.78	21.27	22.35	23.53	24.40	25.64	26.75	27.73	28.53
Total Non-Renewable Expenditures	40.35	40.84	38.63	40.38	41.52	42.39	43.72	45.44	47.36	49.39	51.52	53.12	54.83
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
Total Expenditures	40.35	40.84	38.63	40.38	41.52	42.39	43.72	45.44	47.36	49.40	51.53	53.13	54.84

Table 18. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
Mountain

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	12.74	13.12	13.07	13.29	13.11	13.24	13.15	13.40	13.14	13.41	13.37	13.86	13.91	-0.1%
Primary Energy 1/	6.62	6.87	6.99	7.05	7.03	6.99	7.00	7.08	6.98	7.03	7.14	7.38	7.53	-0.6%
Petroleum Products 2/	11.60	11.71	11.78	11.86	11.96	12.05	12.16	12.23	12.34	12.46	12.56	12.64	12.73	0.3%
Distillate Fuel	7.88	8.08	8.12	8.19	8.37	8.49	8.67	8.71	8.87	9.03	9.14	9.19	9.28	0.7%
Liquefied Petroleum Gas	12.98	13.02	13.06	13.10	13.15	13.19	13.23	13.27	13.33	13.39	13.46	13.51	13.58	0.0%
Natural Gas	6.28	6.56	6.69	6.75	6.73	6.69	6.70	6.79	6.68	6.74	6.86	7.11	7.26	-0.6%
Electricity	22.11	22.66	22.27	22.72	22.27	22.66	22.41	22.90	22.42	23.02	22.76	23.60	23.47	0.2%
Commercial	12.13	12.63	12.42	12.77	12.49	12.77	12.61	13.03	12.63	13.06	12.87	13.56	13.53	0.1%
Primary Energy 1/	5.56	5.82	5.94	6.00	6.00	5.98	6.00	6.10	5.99	6.05	6.17	6.41	6.56	-0.4%
Petroleum Products 2/	7.72	7.88	7.92	7.97	8.13	8.22	8.36	8.39	8.52	8.65	8.75	8.80	8.90	0.2%
Distillate Fuel	6.16	6.35	6.40	6.47	6.65	6.76	6.94	6.99	7.15	7.31	7.42	7.47	7.56	0.7%
Residual Fuel	3.30	3.33	3.35	3.37	3.40	3.42	3.44	3.47	3.50	3.54	3.57	3.60	3.64	-0.8%
Natural Gas	5.51	5.79	5.92	5.98	5.97	5.94	5.96	6.06	5.94	6.00	6.12	6.39	6.54	-0.4%
Electricity	18.69	19.34	18.71	19.27	18.66	19.17	18.79	19.48	18.77	19.52	19.00	20.04	19.77	0.1%
Industrial 3/	6.40	6.65	6.65	6.76	6.74	6.83	6.85	7.00	6.93	7.11	7.13	7.39	7.45	0.6%
Primary Energy	4.64	4.84	4.93	4.99	5.06	5.10	5.19	5.25	5.27	5.36	5.45	5.58	5.69	0.7%
Petroleum Products 2/	6.31	6.49	6.57	6.62	6.77	6.86	7.01	7.03	7.16	7.29	7.39	7.44	7.54	0.9%
Distillate Fuel	6.44	6.64	6.69	6.75	6.93	7.05	7.23	7.27	7.43	7.59	7.70	7.75	7.84	0.8%
Liquefied Petroleum Gas	9.78	9.82	9.86	9.90	9.94	9.99	10.03	10.07	10.13	10.19	10.25	10.31	10.37	-0.6%
Residual Fuel	3.68	3.71	3.73	3.75	3.78	3.80	3.82	3.85	3.88	3.92	3.95	3.98	4.02	0.9%
Natural Gas 4/	3.83	4.12	4.27	4.34	4.34	4.32	4.37	4.51	4.39	4.45	4.57	4.84	5.00	0.5%
Metallurgical Coal	1.34	1.33	1.32	1.32	1.31	1.31	1.30	1.31	1.30	1.30	1.30	1.29	1.29	-0.5%
Steam Coal	1.29	1.29	1.28	1.27	1.27	1.25	1.24	1.23	1.22	1.22	1.21	1.20	1.19	-0.7%
Electricity	11.77	12.11	11.79	12.07	11.72	11.96	11.76	12.12	11.77	12.20	11.98	12.57	12.45	0.2%
Transportation	10.92	10.92	10.90	10.94	11.11	11.15	11.15	11.13	11.19	11.28	11.37	11.41	11.62	0.2%
Primary Energy	10.90	10.90	10.88	10.92	11.09	11.13	11.13	11.11	11.17	11.26	11.36	11.39	11.60	0.2%
Petroleum Products 2/	10.92	10.91	10.89	10.93	11.11	11.14	11.15	11.12	11.18	11.27	11.37	11.41	11.61	0.2%
Distillate Fuel 5/	10.57	10.52	10.51	10.54	10.66	10.74	10.71	10.65	10.79	10.91	10.98	11.01	11.07	0.2%
Jet Fuel 6/	6.40	6.49	6.46	6.47	6.60	6.71	6.79	6.79	6.93	7.07	7.14	7.16	7.24	0.3%
Motor Gasoline 7/	11.95	11.95	11.93	11.98	12.19	12.20	12.21	12.22	12.24	12.30	12.42	12.47	12.77	0.2%
Residual Fuel	3.55	3.57	3.59	3.61	3.63	3.65	3.66	3.68	4.61	4.61	4.61	4.61	4.61	1.3%
Liquefied Petroleum Gas 8/	13.56	13.57	13.58	13.59	13.61	13.62	13.63	13.64	13.68	13.71	13.74	13.77	13.81	-0.9%
Natural Gas 9/	6.57	6.84	7.00	7.07	7.09	7.12	7.16	7.30	7.14	7.19	7.32	7.62	7.81	1.1%
Ethanol (E85) 10/	22.29	22.39	22.70	22.78	22.89	22.95	23.02	23.11	23.15	23.25	23.38	23.51	23.67	1.2%
Electricity	18.18	18.51	18.07	18.34	17.79	17.95	17.61	17.86	17.29	17.62	17.27	17.80	17.58	-0.4%
Average End-Use Energy	10.41	10.59	10.55	10.69	10.71	10.82	10.80	10.91	10.84	11.03	11.06	11.30	11.42	0.3%
Primary Energy	8.74	8.85	8.90	8.96	9.10	9.13	9.17	9.19	9.23	9.32	9.43	9.54	9.74	0.4%
Electricity	17.88	18.40	17.96	18.41	17.93	18.33	18.05	18.58	18.05	18.65	18.30	19.14	18.96	0.2%
Electric Generators 11/														
Fossil Fuel Average	1.37	1.38	1.31	1.32	1.27	1.28	1.25	1.27	1.29	1.31	1.30	1.34	1.32	-1.3%
Petroleum Products	6.33	6.52	6.57	6.64	6.81	6.93	7.11	7.16	7.32	7.48	7.58	7.64	7.73	0.6%
Distillate Fuel	6.33	6.52	6.57	6.64	6.81	6.93	7.11	7.16	7.32	7.48	7.58	7.64	7.73	0.0%
Residual Fuel	4.47	4.49	4.51	4.53	4.55	4.57	4.60	4.62	4.62	4.62	4.62	4.62	4.57	-1.5%
Natural Gas	3.96	4.20	4.30	4.34	4.31	4.35	4.33	4.46	4.26	4.29	4.39	4.69	4.86	-0.4%
Steam Coal	0.96	0.95	0.95	0.94	0.93	0.93	0.93	0.92	0.92	0.92	0.92	0.92	0.92	-0.6%
Average Price to All Users 12/														
Petroleum Products 2/	10.31	10.34	10.35	10.39	10.57	10.62	10.65	10.64	10.72	10.81	10.92	10.96	11.16	0.4%

Table 18. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
Mountain

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Distillate Fuel	9.75	9.76	9.78	9.82	9.97	10.06	10.08	10.04	10.19	10.33	10.41	10.46	10.53	0.4%
Jet Fuel	6.40	6.49	6.46	6.47	6.60	6.71	6.79	6.79	6.93	7.07	7.14	7.16	7.24	0.3%
Liquefied Petroleum Gas	11.93	11.97	12.01	12.05	12.09	12.13	12.17	12.21	12.26	12.32	12.37	12.43	12.49	-0.2%
Motor Gasoline 7/	11.95	11.95	11.93	11.98	12.19	12.20	12.21	12.22	12.24	12.30	12.42	12.47	12.77	0.2%
Residual Fuel	3.67	3.69	3.71	3.74	3.76	3.78	3.81	3.83	3.87	3.90	3.93	3.97	4.00	-1.8%
Natural Gas	5.00	5.28	5.46	5.51	5.53	5.51	5.55	5.66	5.49	5.53	5.66	5.93	6.10	-0.2%
Coal	0.97	0.97	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.93	0.93	0.93	0.93	-0.6%
Ethanol (E85) 10/	22.29	22.39	22.70	22.78	22.89	22.95	23.02	23.11	23.15	23.25	23.38	23.51	23.67	1.2%
Electricity	17.88	18.40	17.96	18.41	17.93	18.33	18.05	18.58	18.05	18.65	18.30	19.14	18.96	0.2%
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)														
Residential	11.01	11.53	11.66	12.07	12.08	12.41	12.55	13.03	12.98	13.48	13.67	14.40	14.61	2.0%
Commercial	8.59	9.16	9.24	9.76	9.85	10.37	10.55	11.18	11.12	11.77	11.89	12.80	13.09	2.8%
Industrial	6.78	7.15	7.23	7.44	7.50	7.71	7.86	8.15	8.19	8.55	8.70	9.19	9.41	2.2%
Transportation	29.28	30.19	31.01	31.98	33.38	34.41	35.40	36.23	37.34	38.61	40.01	41.28	43.13	3.4%
Total Non-Renewable Expenditures	55.66	58.03	59.14	61.25	62.80	64.90	66.36	68.59	69.63	72.41	74.27	77.68	80.24	2.9%
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	11.6%
Total Expenditures	55.66	58.03	59.14	61.26	62.81	64.91	66.37	68.60	69.64	72.42	74.28	77.69	80.25	2.9%

Table 18. Energy Prices by Sector and Source
(2001 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 combined heat and power.
4/ Excludes uses for lease and plant fuel.
5/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.
6/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.
7/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
8/ Includes Federal and State taxes while excluding county and local taxes.
9/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.
10/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
11/ Includes combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
12/ 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 2000 and 2001 are model results and may differ slightly from official EIA data reports.
Sources: 2000 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2000, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_marketing_annual/pma_historical.html (August 2001). 2001 prices for motor gasoline, distillate, and jet fuel are based on the Petroleum Marketing Annual 2001, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (Setember 2002). 2000 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Annual 2000, DOE/EIA-0131(2000) (Washington, DC, November 2001). 2001 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2002/08) (Washington, DC, August 2002). 2000 and 2001 electric power prices: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2000 and 2001 industrial gas delivered prices are based on: EIA, Manufacturing Energy Consumption Survey 1998. 2000 and 2001 coal prices based on EIA, Quarterly Coal Report, October-December 2001, DOE/EIA-0121(2001/4Q) (Washington, DC, May 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. 2000 and 2001 electricity prices: Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 19. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
Pacific

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	15.14	18.52	15.52	14.72	14.45	14.51	14.47	14.58	14.83	14.98	15.09	15.03	14.83
Primary Energy 1/	8.31	10.00	7.29	7.54	7.51	7.58	7.58	7.57	7.75	7.81	7.85	7.85	7.81
Petroleum Products 2/	13.00	13.10	11.96	12.38	11.30	11.00	11.27	11.25	11.55	11.65	11.97	12.21	12.05
Distillate Fuel	10.25	9.44	8.32	9.27	8.09	7.67	7.84	7.91	7.99	8.03	8.04	7.96	8.06
Liquefied Petroleum Gas	15.40	16.81	15.16	15.59	14.67	14.51	14.95	14.86	15.40	15.60	16.29	16.93	16.51
Natural Gas	7.95	9.76	6.94	7.20	7.25	7.35	7.34	7.33	7.51	7.56	7.60	7.58	7.56
Electricity	25.62	31.85	28.73	26.16	25.48	25.43	25.33	25.63	25.97	26.27	26.48	26.37	25.92
Commercial	17.55	22.10	18.98	17.56	17.01	17.02	16.94	17.09	17.32	17.51	17.62	17.54	17.23
Primary Energy 1/	6.93	7.32	6.21	6.28	6.25	6.35	6.38	6.42	6.61	6.70	6.77	6.77	6.76
Petroleum Products 2/	8.97	8.25	7.69	7.95	6.83	6.80	6.88	6.95	7.08	7.11	7.19	7.18	7.18
Distillate Fuel	7.60	6.54	6.15	6.57	5.30	5.25	5.41	5.48	5.57	5.60	5.61	5.53	5.63
Residual Fuel	3.99	3.89	3.98	4.26	3.79	3.67	3.69	3.71	3.73	3.75	3.77	3.79	3.81
Natural Gas	6.86	7.35	6.17	6.24	6.30	6.40	6.43	6.47	6.67	6.76	6.84	6.84	6.83
Electricity	25.04	33.08	28.40	25.71	24.68	24.47	24.21	24.35	24.52	24.68	24.72	24.52	23.94
Industrial 3/	7.12	7.83	5.73	5.84	6.00	6.01	6.08	6.15	6.33	6.43	6.57	6.62	6.56
Primary Energy	5.59	5.48	4.09	4.36	4.55	4.55	4.64	4.67	4.84	4.92	5.07	5.14	5.12
Petroleum Products 2/	7.04	6.37	5.98	6.42	6.32	6.22	6.42	6.48	6.63	6.73	6.96	7.14	7.06
Distillate Fuel	7.87	6.84	6.52	6.94	5.68	5.63	5.79	5.86	5.95	5.98	6.00	5.91	6.01
Liquefied Petroleum Gas	12.24	13.71	11.64	12.07	11.29	11.13	11.56	11.48	12.01	12.21	12.90	13.54	13.13
Residual Fuel	3.74	3.65	3.91	4.19	3.79	3.67	3.69	3.71	3.73	3.75	3.77	3.79	3.81
Natural Gas 4/	4.90	5.10	3.03	3.24	3.43	3.53	3.54	3.58	3.78	3.87	3.95	3.97	3.97
Metallurgical Coal	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
Steam Coal	1.81	1.85	1.86	1.85	1.82	1.80	1.78	1.77	1.75	1.74	1.73	1.73	1.73
Electricity	15.39	20.56	15.56	14.30	13.74	13.63	13.53	13.65	13.76	13.86	13.91	13.77	13.48
Transportation	11.34	10.54	9.78	10.34	10.18	10.05	10.05	10.37	10.50	10.51	10.58	10.48	10.50
Primary Energy	11.30	10.50	9.73	10.31	10.14	10.02	10.02	10.34	10.47	10.48	10.55	10.44	10.47
Petroleum Products 2/	11.30	10.50	9.73	10.31	10.15	10.02	10.02	10.34	10.47	10.48	10.55	10.45	10.47
Distillate Fuel 5/	12.03	10.88	10.13	10.78	10.02	9.91	10.21	10.66	10.51	10.47	10.70	10.73	10.86
Jet Fuel 6/	7.63	6.38	6.18	6.60	5.39	5.30	5.42	5.73	5.74	5.75	5.77	5.71	5.70
Motor Gasoline 7/	13.53	12.88	11.64	12.26	12.61	12.45	12.31	12.62	12.85	12.86	12.89	12.71	12.71
Residual Fuel	4.61	3.33	3.89	4.16	3.72	3.59	3.61	3.63	3.65	3.67	3.69	3.71	3.73
Liquefied Petroleum Gas 8/	15.84	16.97	14.67	15.09	13.48	13.28	13.69	13.58	14.09	14.26	14.93	15.54	15.09
Natural Gas 9/	6.91	8.94	5.76	6.09	6.17	6.32	6.49	6.67	7.04	7.25	7.40	7.47	7.51
Ethanol (E85) 10/	17.72	17.72	17.72	20.33	19.69	19.92	20.06	21.68	22.03	22.35	22.61	22.68	22.80
Electricity	23.53	24.83	25.84	22.51	22.51	22.49	22.28	22.31	22.40	22.31	22.21	21.82	21.41
Average End-Use Energy	11.29	12.16	10.42	10.47	10.39	10.36	10.37	10.58	10.76	10.83	10.91	10.85	10.79
Primary Energy	9.09	8.84	7.65	8.09	8.08	8.05	8.10	8.31	8.48	8.54	8.64	8.60	8.62
Electricity	22.51	29.26	25.15	22.84	22.01	21.89	21.71	21.88	22.05	22.22	22.27	22.09	21.63
Electric Generators 11/													
Fossil Fuel Average	4.23	5.74	2.94	3.13	3.21	3.30	3.32	3.36	3.57	3.69	3.81	3.87	3.91
Petroleum Products	5.43	4.84	4.75	5.05	5.06	4.91	4.98	5.01	5.03	5.05	5.10	5.11	5.14
Distillate Fuel	8.17	6.38	5.85	6.29	4.94	4.89	5.06	5.13	5.21	5.25	5.26	5.18	5.28
Residual Fuel	5.11	3.86	4.61	4.89	5.07	4.91	4.97	4.99	5.01	5.01	5.03	5.06	5.09
Natural Gas	4.56	6.49	3.02	3.22	3.31	3.43	3.46	3.51	3.74	3.86	3.98	4.03	4.07
Steam Coal	1.51	1.65	1.63	1.67	1.67	1.67	1.65	1.63	1.62	1.61	1.61	1.60	1.59
Average Price to All Users 12/													
Petroleum Products 2/	10.62	9.83	9.20	9.75	9.57	9.46	9.51	9.79	9.93	9.96	10.05	9.98	10.00

Table 19. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
Pacific

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Distillate Fuel	11.27	9.95	9.48	10.11	9.28	9.17	9.45	9.85	9.75	9.73	9.87	9.82	10.01
Jet Fuel	7.63	6.38	6.18	6.60	5.39	5.30	5.42	5.73	5.74	5.75	5.77	5.71	5.70
Liquefied Petroleum Gas	13.80	15.14	13.22	13.58	12.12	11.96	12.39	12.30	12.83	13.01	13.66	14.25	13.81
Motor Gasoline 7/	13.53	12.88	11.64	12.26	12.61	12.45	12.31	12.62	12.85	12.86	12.89	12.71	12.71
Residual Fuel	4.71	3.46	4.01	4.29	3.97	3.82	3.85	3.87	3.89	3.91	3.93	3.96	3.98
Natural Gas	5.58	6.71	4.14	4.41	4.54	4.63	4.64	4.65	4.83	4.91	4.97	4.98	4.97
Coal	1.61	1.72	1.71	1.73	1.72	1.72	1.70	1.68	1.67	1.66	1.65	1.65	1.64
Ethanol (E85) 10/	17.72	17.72	17.72	20.33	19.69	19.92	20.06	21.68	22.03	22.35	22.61	22.68	22.80
Electricity	22.51	29.26	25.15	22.84	22.01	21.89	21.71	21.88	22.05	22.22	22.27	22.09	21.63
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)													
Residential	17.79	21.49	18.35	18.01	18.04	18.22	18.35	18.63	19.12	19.38	19.65	19.74	19.72
Commercial	17.89	23.09	19.65	18.79	18.87	19.34	19.69	20.29	20.99	21.65	22.26	22.70	22.88
Industrial	14.99	16.18	11.91	12.09	12.30	12.43	12.67	13.04	13.64	14.13	14.70	15.07	15.22
Transportation	48.14	44.62	41.66	44.89	44.94	45.43	46.67	49.50	51.55	53.08	54.91	55.80	57.28
Total Non-Renewable Expenditures	98.80	105.37	91.57	93.78	94.14	95.42	97.38	101.47	105.31	108.24	111.53	113.31	115.11
Transportation Renewable Expenditures	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total Expenditures	98.81	105.38	91.57	93.79	94.15	95.42	97.38	101.47	105.31	108.25	111.54	113.32	115.12

Table 19. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
Pacific

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	14.76	14.90	15.01	15.08	15.07	15.04	14.99	15.01	14.95	15.06	15.18	15.42	15.64	-0.7%
Primary Energy 1/	7.74	7.87	7.94	7.96	7.92	7.91	7.87	7.89	7.77	7.86	7.93	8.14	8.31	-0.8%
Petroleum Products 2/	12.25	12.46	12.68	12.72	12.81	12.81	12.89	12.86	12.85	12.59	12.82	13.11	13.06	0.0%
Distillate Fuel	8.08	8.12	8.25	8.27	8.31	8.35	8.37	8.35	8.42	8.20	8.48	8.56	8.60	-0.4%
Liquefied Petroleum Gas	16.93	17.36	17.70	17.79	17.97	17.92	18.07	18.06	18.00	17.68	17.86	18.36	18.21	0.3%
Natural Gas	7.47	7.60	7.67	7.70	7.66	7.65	7.61	7.64	7.51	7.62	7.69	7.90	8.08	-0.8%
Electricity	25.88	26.01	26.18	26.35	26.39	26.35	26.30	26.32	26.40	26.59	26.83	27.11	27.44	-0.6%
Commercial	17.16	17.28	17.42	17.55	17.57	17.55	17.50	17.53	17.51	17.62	17.76	18.00	18.24	-0.8%
Primary Energy 1/	6.71	6.83	6.90	6.93	6.89	6.90	6.87	6.91	6.81	6.89	6.97	7.17	7.33	0.0%
Petroleum Products 2/	7.21	7.28	7.40	7.42	7.45	7.48	7.49	7.46	7.46	7.25	7.47	7.58	7.60	-0.3%
Distillate Fuel	5.65	5.69	5.82	5.85	5.88	5.93	5.95	5.93	5.99	5.77	6.05	6.13	6.18	-0.2%
Residual Fuel	3.83	3.85	3.87	3.89	3.91	3.94	3.96	3.98	4.01	4.05	4.08	4.11	4.15	0.3%
Natural Gas	6.76	6.89	6.96	6.99	6.95	6.95	6.92	6.96	6.85	6.96	7.02	7.24	7.41	0.0%
Electricity	23.79	23.84	23.96	24.10	24.11	24.04	23.94	23.93	23.94	24.03	24.17	24.38	24.60	-1.2%
Industrial 3/	6.57	6.70	6.78	6.84	6.82	6.81	6.82	6.84	6.79	6.81	6.89	7.07	7.17	-0.4%
Primary Energy	5.13	5.27	5.35	5.40	5.37	5.37	5.38	5.41	5.33	5.35	5.41	5.61	5.70	0.2%
Petroleum Products 2/	7.19	7.36	7.47	7.54	7.51	7.51	7.58	7.57	7.54	7.42	7.49	7.68	7.64	0.8%
Distillate Fuel	6.03	6.07	6.20	6.23	6.26	6.31	6.33	6.31	6.37	6.15	6.43	6.52	6.56	-0.2%
Liquefied Petroleum Gas	13.54	13.98	14.31	14.41	14.58	14.53	14.69	14.68	14.61	14.29	14.47	14.98	14.83	0.3%
Residual Fuel	3.83	3.85	3.87	3.89	3.91	3.94	3.96	3.98	4.01	4.05	4.08	4.11	4.15	0.5%
Natural Gas 4/	3.92	4.06	4.13	4.18	4.15	4.16	4.14	4.20	4.10	4.21	4.28	4.50	4.69	-0.3%
Metallurgical Coal	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
Steam Coal	1.71	1.70	1.69	1.67	1.66	1.64	1.63	1.62	1.61	1.60	1.59	1.58	1.57	-0.7%
Electricity	13.43	13.46	13.51	13.57	13.56	13.51	13.46	13.45	13.46	13.52	13.61	13.71	13.82	-1.6%
Transportation	10.48	10.54	10.69	10.67	10.67	10.80	10.83	10.83	10.72	10.64	10.74	10.90	10.97	0.2%
Primary Energy	10.44	10.51	10.66	10.63	10.63	10.77	10.80	10.80	10.69	10.61	10.71	10.87	10.94	0.2%
Petroleum Products 2/	10.45	10.51	10.66	10.64	10.64	10.77	10.80	10.80	10.70	10.62	10.71	10.87	10.94	0.2%
Distillate Fuel 5/	10.86	10.76	11.39	11.36	10.88	10.83	10.85	10.91	11.01	10.88	10.93	11.01	11.00	0.0%
Jet Fuel 6/	5.68	5.67	5.90	5.89	5.89	5.89	5.89	5.87	5.90	5.91	5.92	5.94	5.95	-0.3%
Motor Gasoline 7/	12.67	12.80	12.80	12.77	12.91	13.15	13.21	13.20	12.98	12.88	13.02	13.26	13.37	0.2%
Residual Fuel	3.75	3.77	3.79	3.81	3.83	3.86	3.88	3.90	3.93	3.97	4.00	4.03	4.07	0.8%
Liquefied Petroleum Gas 8/	15.48	15.89	16.19	16.25	16.40	16.31	16.44	16.40	16.31	15.96	16.11	16.59	16.42	-0.1%
Natural Gas 9/	7.47	7.66	7.78	7.83	7.83	7.85	7.83	7.91	7.80	7.93	8.01	8.27	8.47	-0.2%
Ethanol (E85) 10/	22.89	23.05	23.36	23.44	23.52	23.66	23.74	23.83	23.83	23.87	24.00	24.20	24.30	1.3%
Electricity	21.14	21.00	20.93	20.87	20.63	20.35	20.08	19.82	19.59	19.46	19.39	19.36	19.37	-1.0%
Average End-Use Energy	10.77	10.87	11.00	11.04	11.04	11.11	11.12	11.14	11.07	11.07	11.18	11.36	11.48	-0.2%
Primary Energy	8.61	8.71	8.84	8.86	8.85	8.93	8.96	8.97	8.87	8.84	8.93	9.11	9.20	0.2%
Electricity	21.52	21.58	21.70	21.83	21.84	21.78	21.70	21.71	21.73	21.83	21.98	22.16	22.37	-1.1%
Electric Generators 11/														
Fossil Fuel Average	3.90	4.04	4.11	4.17	4.13	4.15	4.15	4.22	4.16	4.28	4.37	4.59	4.77	-0.8%
Petroleum Products	5.14	5.19	5.23	5.26	5.28	5.31	5.31	5.33	5.42	5.34	5.47	5.56	5.62	0.6%
Distillate Fuel	5.30	5.34	5.47	5.50	5.53	5.57	5.59	5.57	5.64	5.42	5.70	5.78	5.83	-0.4%
Residual Fuel	5.11	5.13	5.14	5.17	5.18	5.22	5.24	5.26	5.28	5.32	5.36	5.37	5.40	1.4%
Natural Gas	4.06	4.20	4.27	4.34	4.29	4.31	4.30	4.37	4.28	4.43	4.51	4.74	4.93	-1.1%
Steam Coal	1.58	1.57	1.56	1.55	1.54	1.54	1.52	1.51	1.53	1.50	1.50	1.50	1.49	-0.4%
Average Price to All Users 12/														
Petroleum Products 2/	10.02	10.08	10.23	10.23	10.23	10.34	10.39	10.38	10.27	10.21	10.29	10.43	10.48	0.3%

Table 19. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
Pacific

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Distillate Fuel	10.08	9.93	10.50	10.47	10.10	10.08	10.12	10.17	10.15	10.14	10.14	10.12	10.07	0.1%
Jet Fuel	5.68	5.67	5.90	5.89	5.89	5.89	5.89	5.87	5.90	5.91	5.92	5.94	5.95	-0.3%
Liquefied Petroleum Gas	14.20	14.62	14.94	15.02	15.20	15.15	15.29	15.26	15.20	14.88	15.06	15.56	15.41	0.1%
Motor Gasoline 7/	12.67	12.80	12.81	12.77	12.91	13.15	13.21	13.20	12.98	12.88	13.02	13.26	13.37	0.2%
Residual Fuel	4.01	4.03	4.06	4.08	4.11	4.13	4.16	4.19	4.22	4.26	4.30	4.33	4.37	1.0%
Natural Gas	4.91	5.04	5.11	5.15	5.10	5.10	5.07	5.12	5.03	5.14	5.22	5.43	5.62	-0.7%
Coal	1.63	1.62	1.62	1.60	1.59	1.58	1.57	1.56	1.57	1.55	1.54	1.54	1.53	-0.5%
Ethanol (E85) 10/	22.89	23.05	23.36	23.44	23.52	23.66	23.74	23.83	23.83	23.87	24.00	24.20	24.30	1.3%
Electricity	21.52	21.58	21.70	21.83	21.84	21.78	21.70	21.71	21.73	21.83	21.98	22.16	22.37	-1.1%
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)														
Residential	19.77	20.10	20.38	20.66	20.74	20.88	21.00	21.27	21.33	21.68	22.04	22.60	23.02	0.3%
Commercial	23.40	24.17	24.96	25.77	26.47	27.15	27.82	28.62	29.37	30.32	31.34	32.51	33.71	1.6%
Industrial	15.41	15.97	16.37	16.69	16.87	17.12	17.41	17.77	17.90	18.39	18.92	19.82	20.51	1.0%
Transportation	58.50	60.14	62.23	63.28	64.47	66.51	68.02	69.16	69.62	70.31	72.25	74.71	76.54	2.3%
Total Non-Renewable Expenditures	117.08	120.38	123.94	126.41	128.55	131.66	134.25	136.83	138.23	140.70	144.55	149.65	153.78	1.6%
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	10.6%
Total Expenditures	117.09	120.39	123.96	126.42	128.56	131.67	134.27	136.84	138.25	140.72	144.57	149.67	153.81	1.6%

Table 19. Energy Prices by Sector and Source
(2001 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 combined heat and power.
4/ Excludes uses for lease and plant fuel.
5/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.
6/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.
7/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
8/ Includes Federal and State taxes while excluding county and local taxes.
9/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.
10/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
11/ Includes combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
12/ 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 2000 and 2001 are model results and may differ slightly from official EIA data reports.
Sources: 2000 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2000, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_marketing_annual/pma_historical.html (August 2001). 2001 prices for motor gasoline, distillate, and jet fuel are based on the Petroleum Marketing Annual 2001, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (Setember 2002). 2000 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Annual 2000, DOE/EIA-0131(2000) (Washington, DC, November 2001). 2001 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2002/08) (Washington, DC, August 2002). 2000 and 2001 electric power prices: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2000 and 2001 industrial gas delivered prices are based on: EIA, Manufacturing Energy Consumption Survey 1998. 2000 and 2001 coal prices based on EIA, Quarterly Coal Report, October-December 2001, DOE/EIA-0121(2001/4Q) (Washington, DC, May 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. 2000 and 2001 electricity prices: Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 20. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
United States

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	14.58	15.80	14.15	13.99	13.83	13.74	13.54	13.55	13.59	13.75	13.84	13.97	14.02
Primary Energy 1/	8.50	9.73	7.84	8.18	7.97	7.82	7.72	7.74	7.81	7.86	7.96	8.01	8.05
Petroleum Products 2/	11.12	10.85	9.77	10.35	10.14	9.74	9.58	9.66	9.71	9.76	9.90	10.00	10.06
Distillate Fuel	9.67	8.99	8.14	9.08	8.43	7.88	7.81	7.81	7.85	7.89	7.96	8.05	8.11
Liquefied Petroleum Gas	13.85	14.84	12.73	13.16	13.79	13.70	13.37	13.62	13.68	13.74	14.01	14.09	14.12
Natural Gas	7.75	9.41	7.29	7.58	7.39	7.31	7.23	7.25	7.32	7.38	7.48	7.52	7.56
Electricity	24.49	25.35	23.96	23.10	22.96	22.83	22.43	22.28	22.17	22.38	22.34	22.51	22.49
Commercial	14.14	15.47	14.13	13.56	13.29	13.16	12.92	12.92	13.02	13.24	13.35	13.49	13.57
Primary Energy 1/	6.74	7.81	6.11	6.28	6.06	6.00	5.95	6.01	6.12	6.21	6.34	6.40	6.46
Petroleum Products 2/	7.82	7.27	7.10	7.42	6.83	6.67	6.57	6.61	6.67	6.70	6.78	6.87	6.91
Distillate Fuel	7.27	6.40	6.08	6.51	5.75	5.57	5.50	5.51	5.55	5.59	5.66	5.76	5.82
Residual Fuel	3.53	3.46	4.15	4.41	4.01	3.91	3.93	3.95	3.97	3.98	4.01	4.03	4.06
Natural Gas	6.64	8.09	6.04	6.19	6.03	5.99	5.95	6.02	6.14	6.24	6.38	6.44	6.50
Electricity	21.86	23.22	21.90	20.73	20.39	20.12	19.63	19.48	19.48	19.72	19.73	19.85	19.86
Industrial 3/	7.08	7.10	5.74	6.07	6.05	5.97	5.89	5.97	6.07	6.16	6.26	6.34	6.40
Primary Energy	5.91	5.83	4.55	4.90	4.86	4.77	4.70	4.78	4.86	4.93	5.07	5.15	5.22
Petroleum Products 2/	8.21	7.72	6.27	6.76	6.79	6.66	6.58	6.67	6.73	6.78	6.94	7.04	7.10
Distillate Fuel	7.38	6.55	6.14	6.57	5.79	5.62	5.55	5.56	5.62	5.66	5.73	5.87	5.92
Liquefied Petroleum Gas	12.03	12.34	8.20	8.62	9.41	9.33	8.99	9.23	9.28	9.32	9.59	9.66	9.70
Residual Fuel	3.34	3.28	3.85	4.14	3.72	3.60	3.62	3.64	3.67	3.69	3.71	3.73	3.75
Natural Gas 4/	4.62	4.87	3.40	3.72	3.58	3.52	3.46	3.53	3.64	3.75	3.89	3.96	4.05
Metallurgical Coal	1.66	1.69	1.62	1.61	1.59	1.57	1.57	1.55	1.53	1.52	1.51	1.49	1.48
Steam Coal	1.43	1.46	1.48	1.47	1.45	1.44	1.43	1.42	1.41	1.39	1.38	1.37	1.36
Electricity	13.46	14.10	12.99	12.88	12.82	12.75	12.55	12.56	12.63	12.75	12.64	12.62	12.61
Transportation	11.11	10.28	9.73	10.33	10.06	9.93	10.01	10.15	10.15	10.24	10.28	10.25	10.22
Primary Energy	11.08	10.25	9.70	10.30	10.03	9.90	9.99	10.13	10.12	10.21	10.25	10.23	10.19
Petroleum Products 2/	11.08	10.25	9.70	10.30	10.03	9.91	9.99	10.13	10.13	10.22	10.26	10.23	10.20
Distillate Fuel 5/	10.99	10.05	9.31	9.95	9.60	9.36	9.56	10.07	9.98	10.11	10.22	10.32	10.20
Jet Fuel 6/	7.26	6.20	5.90	6.33	5.81	5.61	5.49	5.56	5.58	5.61	5.62	5.76	5.78
Motor Gasoline 7/	12.42	11.57	10.96	11.58	11.38	11.30	11.38	11.41	11.42	11.50	11.53	11.42	11.39
Residual Fuel	4.48	3.90	3.73	4.01	3.58	3.45	3.48	3.49	3.51	3.53	3.55	3.58	3.60
Liquefied Petroleum Gas 8/	16.45	16.93	14.83	15.25	15.02	14.89	14.62	14.79	14.88	14.92	15.21	15.32	15.25
Natural Gas 9/	6.76	7.65	6.01	6.36	6.17	6.12	6.21	6.42	6.67	6.88	7.08	7.21	7.33
Ethanol (E85) 10/	17.72	17.72	17.72	20.13	19.36	19.50	19.84	21.01	21.23	21.53	21.32	21.32	22.17
Electricity	22.07	21.84	20.81	20.09	19.99	19.72	19.24	19.03	18.97	19.02	18.99	18.97	18.90
Average End-Use Energy	10.63	10.74	9.65	9.92	9.76	9.67	9.62	9.70	9.74	9.85	9.92	9.97	9.99
Primary Energy	8.65	8.52	7.47	7.93	7.76	7.67	7.69	7.80	7.86	7.95	8.05	8.08	8.10
Electricity	20.17	21.30	20.21	19.41	19.22	19.06	18.68	18.55	18.52	18.70	18.65	18.73	18.71
Electric Generators 11/													
Fossil Fuel Average	2.01	2.14	1.66	1.74	1.71	1.71	1.68	1.68	1.74	1.77	1.82	1.85	1.89
Petroleum Products	4.62	4.73	4.28	4.74	4.26	4.13	4.14	4.15	4.14	4.23	4.27	4.36	4.33
Distillate Fuel	6.73	6.20	5.60	6.04	5.20	5.01	4.95	4.96	5.00	5.04	5.13	5.23	5.29
Residual Fuel	4.39	4.50	4.01	4.35	3.99	3.85	3.89	3.90	3.88	3.96	3.97	4.01	4.01
Natural Gas	4.42	4.78	3.07	3.42	3.29	3.27	3.24	3.32	3.48	3.62	3.79	3.88	3.98
Steam Coal	1.23	1.25	1.22	1.22	1.22	1.22	1.21	1.20	1.19	1.18	1.17	1.17	1.16
Average Price to All Users 12/													
Petroleum Products 2/	10.23	9.54	8.87	9.46	9.26	9.13	9.17	9.31	9.32	9.41	9.48	9.50	9.48

Table 20. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
United States

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Distillate Fuel	10.05	9.16	8.53	9.17	8.72	8.47	8.60	8.98	8.94	9.06	9.17	9.29	9.23
Jet Fuel	7.26	6.20	5.90	6.33	5.81	5.61	5.49	5.56	5.58	5.61	5.62	5.76	5.78
Liquefied Petroleum Gas	12.38	12.85	9.18	9.55	10.29	10.20	9.86	10.09	10.14	10.17	10.42	10.48	10.49
Motor Gasoline 7/	12.42	11.57	10.96	11.58	11.38	11.29	11.38	11.41	11.42	11.50	11.53	11.42	11.39
Residual Fuel	4.28	4.11	3.83	4.10	3.70	3.57	3.59	3.61	3.63	3.66	3.68	3.71	3.73
Natural Gas	5.59	6.40	4.61	4.93	4.78	4.74	4.67	4.74	4.82	4.91	5.03	5.08	5.15
Coal	1.24	1.26	1.24	1.24	1.23	1.24	1.23	1.21	1.20	1.19	1.18	1.18	1.17
Ethanol (E85) 10/	17.72	17.72	17.72	20.13	19.36	19.50	19.84	21.01	21.23	21.53	21.32	21.32	22.17
Electricity	20.17	21.30	20.21	19.41	19.22	19.06	18.68	18.55	18.52	18.70	18.65	18.73	18.71
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)													
Residential	155.98	166.69	151.96	156.86	157.69	157.91	157.67	159.33	161.78	164.59	166.98	169.78	172.09
Commercial	114.28	127.06	116.72	114.57	115.35	116.43	116.50	118.42	121.15	124.99	127.99	131.40	134.28
Industrial	143.44	135.20	111.63	119.21	119.88	118.73	118.40	122.00	125.74	130.11	135.28	139.71	143.49
Transportation	290.84	270.40	258.62	279.94	277.92	280.74	290.64	302.84	311.14	322.56	332.93	340.62	347.34
Total Non-Renewable Expenditures	704.53	699.35	638.94	670.58	670.83	673.81	683.21	702.59	719.81	742.25	763.18	781.52	797.19
Transportation Renewable Expenditures	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.06
Total Expenditures	704.54	699.36	638.95	670.60	670.86	673.84	683.24	702.63	719.85	742.29	763.22	781.57	797.25

Table 20. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
United States

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	14.12	14.21	14.25	14.33	14.33	14.37	14.39	14.53	14.51	14.64	14.67	14.83	14.82	-0.3%
Primary Energy 1/	8.08	8.15	8.18	8.21	8.20	8.18	8.19	8.27	8.25	8.29	8.36	8.44	8.50	-0.6%
Petroleum Products 2/	10.15	10.29	10.32	10.38	10.39	10.49	10.63	10.70	10.77	10.83	10.89	10.95	11.01	0.1%
Distillate Fuel	8.21	8.37	8.36	8.40	8.40	8.50	8.66	8.72	8.78	8.82	8.86	8.89	8.93	0.0%
Liquefied Petroleum Gas	14.18	14.25	14.31	14.36	14.38	14.42	14.47	14.52	14.58	14.63	14.70	14.78	14.84	0.0%
Natural Gas	7.59	7.65	7.68	7.71	7.70	7.66	7.66	7.74	7.71	7.75	7.83	7.92	7.99	-0.7%
Electricity	22.62	22.66	22.66	22.76	22.70	22.77	22.74	22.93	22.87	23.07	23.02	23.22	23.07	-0.4%
Commercial	13.70	13.85	13.96	14.13	14.17	14.28	14.34	14.55	14.55	14.73	14.78	14.98	15.00	-0.1%
Primary Energy 1/	6.50	6.58	6.61	6.64	6.64	6.63	6.65	6.74	6.73	6.78	6.86	6.94	7.01	-0.4%
Petroleum Products 2/	7.00	7.13	7.15	7.19	7.23	7.32	7.45	7.50	7.56	7.60	7.67	7.72	7.78	0.3%
Distillate Fuel	5.92	6.08	6.09	6.13	6.17	6.28	6.44	6.49	6.56	6.60	6.67	6.71	6.75	0.2%
Residual Fuel	4.08	4.10	4.12	4.14	4.16	4.18	4.21	4.23	4.26	4.29	4.32	4.35	4.38	1.0%
Natural Gas	6.54	6.61	6.64	6.68	6.67	6.64	6.65	6.75	6.73	6.78	6.86	6.95	7.02	-0.6%
Electricity	19.99	20.14	20.25	20.48	20.49	20.67	20.69	20.96	20.90	21.14	21.11	21.35	21.26	-0.4%
Industrial 3/	6.50	6.59	6.63	6.70	6.72	6.75	6.80	6.88	6.90	6.99	7.03	7.13	7.15	0.0%
Primary Energy	5.32	5.40	5.44	5.48	5.51	5.53	5.58	5.62	5.65	5.71	5.77	5.83	5.88	0.0%
Petroleum Products 2/	7.25	7.36	7.42	7.46	7.51	7.57	7.66	7.63	7.70	7.76	7.82	7.88	7.94	0.1%
Distillate Fuel	6.06	6.24	6.28	6.34	6.47	6.59	6.75	6.80	6.93	7.02	7.13	7.18	7.25	0.4%
Liquefied Petroleum Gas	9.78	9.85	9.91	9.95	9.99	10.03	10.08	10.12	10.17	10.22	10.28	10.35	10.40	-0.7%
Residual Fuel	3.78	3.80	3.82	3.85	3.87	3.89	3.91	3.94	3.97	4.00	4.03	4.07	4.10	0.9%
Natural Gas 4/	4.10	4.15	4.18	4.22	4.22	4.19	4.21	4.32	4.33	4.39	4.46	4.52	4.57	-0.3%
Metallurgical Coal	1.48	1.47	1.46	1.45	1.43	1.43	1.41	1.41	1.38	1.38	1.37	1.36	1.35	-0.9%
Steam Coal	1.36	1.35	1.35	1.34	1.33	1.33	1.32	1.31	1.30	1.30	1.29	1.29	1.29	-0.5%
Electricity	12.68	12.76	12.78	12.94	12.90	13.01	13.00	13.25	13.20	13.43	13.37	13.62	13.46	-0.2%
Transportation	10.16	10.18	10.19	10.22	10.34	10.39	10.41	10.39	10.43	10.48	10.58	10.63	10.81	0.2%
Primary Energy	10.14	10.15	10.16	10.19	10.32	10.37	10.38	10.37	10.40	10.46	10.55	10.61	10.79	0.2%
Petroleum Products 2/	10.14	10.16	10.17	10.19	10.32	10.37	10.39	10.37	10.41	10.46	10.56	10.61	10.80	0.2%
Distillate Fuel 5/	10.08	10.02	10.09	10.11	10.16	10.22	10.20	10.16	10.29	10.39	10.45	10.46	10.52	0.2%
Jet Fuel 6/	5.87	5.96	6.03	6.05	6.15	6.24	6.32	6.33	6.45	6.57	6.64	6.66	6.72	0.3%
Motor Gasoline 7/	11.33	11.35	11.34	11.37	11.54	11.59	11.60	11.60	11.59	11.62	11.74	11.81	12.08	0.2%
Residual Fuel	3.62	3.64	3.66	3.68	3.70	3.73	3.75	3.77	3.80	3.84	3.87	3.90	3.94	0.0%
Liquefied Petroleum Gas 8/	15.32	15.40	15.46	15.48	15.47	15.47	15.50	15.50	15.51	15.48	15.53	15.63	15.63	-0.3%
Natural Gas 9/	7.41	7.51	7.57	7.62	7.62	7.61	7.63	7.75	7.74	7.80	7.88	7.99	8.07	0.2%
Ethanol (E85) 10/	22.21	22.30	22.43	22.52	22.65	22.72	22.78	22.87	22.91	23.00	23.13	23.36	23.44	1.2%
Electricity	18.88	18.84	18.75	18.78	18.58	18.51	18.37	18.37	18.13	18.13	17.96	18.01	17.82	-0.8%
Average End-Use Energy	10.03	10.09	10.13	10.20	10.27	10.32	10.35	10.42	10.44	10.53	10.59	10.69	10.78	0.0%
Primary Energy	8.13	8.18	8.22	8.26	8.34	8.38	8.41	8.43	8.46	8.52	8.61	8.67	8.80	0.1%
Electricity	18.81	18.90	18.95	19.12	19.09	19.22	19.21	19.45	19.39	19.61	19.56	19.79	19.66	-0.3%
Electric Generators 11/														
Fossil Fuel Average	1.92	1.94	1.94	1.97	1.96	1.97	1.98	2.02	2.04	2.07	2.09	2.13	2.14	0.0%
Petroleum Products	4.33	4.41	4.43	4.45	4.49	4.53	4.57	4.60	4.72	4.70	4.82	4.90	4.98	0.2%
Distillate Fuel	5.42	5.54	5.60	5.64	5.74	5.86	6.02	6.06	6.04	6.23	6.22	6.16	6.18	0.0%
Residual Fuel	4.03	4.04	4.07	4.08	4.11	4.14	4.17	4.21	4.25	4.29	4.34	4.36	4.40	-0.1%
Natural Gas	4.04	4.11	4.14	4.18	4.17	4.16	4.18	4.30	4.30	4.38	4.45	4.54	4.60	-0.2%
Steam Coal	1.16	1.15	1.15	1.14	1.14	1.13	1.13	1.12	1.11	1.11	1.11	1.11	1.10	-0.5%
Average Price to All Users 12/														
Petroleum Products 2/	9.49	9.53	9.56	9.59	9.70	9.76	9.80	9.78	9.83	9.89	9.98	10.03	10.18	0.3%

Table 20. Energy Prices by Sector and Source
(2001 Dollars per Million Btu, Unless Otherwise Noted)
United States

Sector and Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Distillate Fuel	9.19	9.20	9.26	9.29	9.36	9.44	9.48	9.46	9.58	9.69	9.76	9.78	9.83	0.3%
Jet Fuel	5.87	5.96	6.03	6.05	6.15	6.24	6.32	6.33	6.45	6.57	6.64	6.66	6.72	0.3%
Liquefied Petroleum Gas	10.56	10.62	10.67	10.72	10.74	10.77	10.82	10.85	10.90	10.93	10.99	11.07	11.11	-0.6%
Motor Gasoline 7/	11.33	11.35	11.34	11.37	11.54	11.59	11.60	11.60	11.59	11.62	11.74	11.81	12.08	0.2%
Residual Fuel	3.75	3.78	3.80	3.82	3.84	3.87	3.89	3.92	3.95	3.98	4.02	4.05	4.08	0.0%
Natural Gas	5.19	5.24	5.26	5.30	5.29	5.25	5.25	5.35	5.34	5.39	5.46	5.53	5.60	-0.6%
Coal	1.17	1.17	1.16	1.16	1.15	1.15	1.14	1.13	1.13	1.12	1.12	1.12	1.12	-0.5%
Ethanol (E85) 10/	22.21	22.30	22.43	22.52	22.65	22.72	22.78	22.87	22.91	23.00	23.13	23.36	23.44	1.2%
Electricity	18.81	18.90	18.95	19.12	19.09	19.22	19.21	19.45	19.39	19.61	19.56	19.79	19.66	-0.3%
Non-Renewable Energy Expenditures by Sector (billion 2001 dollars)														
Residential	174.12	176.55	178.50	181.40	182.29	184.42	186.39	190.35	191.32	194.74	197.12	201.60	202.99	0.8%
Commercial	137.77	141.54	144.89	149.01	151.88	155.76	159.07	164.11	166.81	171.64	174.89	179.95	182.88	1.5%
Industrial	147.40	151.21	153.72	156.53	158.73	161.65	165.05	169.19	171.86	176.72	180.26	185.55	188.45	1.4%
Transportation	353.17	360.82	367.91	375.18	386.39	394.97	402.66	408.34	415.83	424.83	436.01	446.18	461.42	2.3%
Total Non-Renewable Expenditures	812.46	830.13	845.02	862.12	879.29	896.79	913.17	932.00	945.82	967.94	988.28	1013.29	1035.75	1.6%
Transportation Renewable Expenditures	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13	10.2%
Total Expenditures	812.52	830.19	845.09	862.19	879.38	896.88	913.27	932.10	945.93	968.04	988.40	1013.41	1035.88	1.7%

Table 20. Energy Prices by Sector and Source
(2001 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 combined heat and power.
4/ Excludes uses for lease and plant fuel.
5/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.
6/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.
7/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.
8/ Includes Federal and State taxes while excluding county and local taxes.
9/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.
10/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).
11/ Includes combined heat and power plants whose primary business is to sell electricity, or electricity and heat, to the public.
12/ 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 2000 and 2001 are model results and may differ slightly from official EIA data reports.
Sources: 2000 prices for motor gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 2000, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_marketing_annual/pma_historical.html (August 2001). 2001 prices for motor gasoline, distillate, and jet fuel are based on the Petroleum Marketing Annual 2001, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (Setember 2002). 2000 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Annual 2000, DOE/EIA-0131(2000) (Washington, DC, November 2001). 2001 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2002/08) (Washington, DC, August 2002). 2000 and 2001 electric power prices: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 2000 and 2001 industrial gas delivered prices are based on: EIA, Manufacturing Energy Consumption Survey 1998. 2000 and 2001 coal prices based on EIA, Quarterly Coal Report, October-December 2001, DOE/EIA-0121(2001/4Q) (Washington, DC, May 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. 2000 and 2001 electricity prices: Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 21. Residential Sector Equipment Stock and Efficiency

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Equipment Stock (million units)													
Main Space Heaters													
Electric Heat Pumps	10.12	10.33	10.54	10.73	10.94	11.15	11.32	11.50	11.69	11.89	12.09	12.29	12.47
Electric Other	20.33	20.50	20.66	20.83	21.03	21.25	21.50	21.76	22.04	22.32	22.61	22.90	23.18
Natural Gas Heat Pumps	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
Natural Gas Other	55.72	56.43	57.18	57.89	58.61	59.33	60.08	60.87	61.68	62.49	63.35	64.23	65.04
Distillate	9.38	9.36	9.34	9.31	9.29	9.26	9.24	9.22	9.20	9.19	9.17	9.15	9.13
Liquefied Petroleum Gas	4.69	4.69	4.70	4.71	4.71	4.70	4.70	4.70	4.70	4.70	4.69	4.69	4.69
Kerosene	0.93	0.92	0.91	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80
Wood Stoves	2.14	2.13	2.11	2.10	2.09	2.07	2.06	2.04	2.03	2.02	2.00	1.99	1.98
Geothermal Heat Pumps	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.48	0.49	0.51	0.53
Total	103.70	104.75	105.84	106.87	107.97	109.07	110.20	111.40	112.65	113.90	115.23	116.58	117.82
Space Cooling (million units)													
Electric Heat Pumps	10.12	10.33	10.54	10.73	10.94	11.15	11.32	11.50	11.69	11.89	12.09	12.29	12.47
Natural Gas Heat Pumps	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
Geothermal Heat Pumps	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.48	0.49	0.51	0.53
Central Air Conditioners	40.67	41.69	42.74	43.76	44.81	45.87	46.98	48.11	49.27	50.42	51.60	52.79	53.90
Room Air Conditioners	37.93	37.90	37.87	37.84	37.84	37.84	37.85	37.88	37.91	37.96	38.02	38.09	38.15
Total	89.10	90.31	91.55	92.74	94.01	95.29	96.59	97.94	99.34	100.74	102.20	103.68	105.05
Water Heaters (million units)													
Electric	40.37	40.60	40.80	41.01	41.26	41.53	41.79	42.08	42.41	42.74	43.10	43.46	43.79
Natural Gas	55.37	56.22	57.14	58.01	58.90	59.78	60.70	61.64	62.60	63.55	64.56	65.58	66.53
Distillate	5.02	4.98	4.94	4.89	4.85	4.81	4.76	4.72	4.69	4.65	4.61	4.58	4.54
Liquefied Petroleum Gas	3.18	3.17	3.16	3.15	3.13	3.11	3.10	3.08	3.07	3.06	3.05	3.04	3.03
Solar Thermal	0.35	0.36	0.36	0.37	0.38	0.39	0.40	0.40	0.41	0.42	0.43	0.43	0.44
Total	104.27	105.32	106.40	107.43	108.52	109.61	110.74	111.93	113.17	114.42	115.74	117.08	118.32
Cooking Equipment (million units) 1/													
Electric	63.33	64.05	64.79	65.47	66.21	66.94	67.69	68.49	69.34	70.19	71.09	72.00	72.82
Natural Gas	36.24	36.57	36.93	37.29	37.67	38.05	38.45	38.86	39.27	39.69	40.13	40.59	41.03
Liquefied Petroleum Gas	4.35	4.34	4.33	4.32	4.30	4.27	4.25	4.23	4.21	4.20	4.18	4.16	4.13
Total	103.92	104.96	106.05	107.08	108.17	109.27	110.39	111.58	112.83	114.07	115.40	116.74	117.98
Clothes Dryers (million units)													
Electric	57.54	58.59	59.65	60.69	61.76	62.83	63.91	65.01	66.13	67.23	68.37	69.51	70.58
Natural Gas	16.72	17.16	17.62	18.08	18.54	19.00	19.46	19.94	20.42	20.91	21.40	21.90	22.37
Total	74.26	75.75	77.27	78.77	80.30	81.83	83.37	84.95	86.55	88.14	89.77	91.41	92.95
Other Appliances (million units)													
Refrigerators	121.37	122.49	123.66	124.79	125.98	127.19	128.43	129.74	131.09	132.46	133.90	135.36	136.71
Freezers	33.68	33.65	33.63	33.60	33.58	33.58	33.61	33.66	33.73	33.79	33.91	34.06	34.19
Stock Average Equipment Efficiency													
Main Space Heaters													
Electric Heat Pumps (HSPF)	6.95	7.00	7.05	7.09	7.13	7.15	7.23	7.29	7.35	7.41	7.45	7.50	7.54
Natural Gas Heat Pumps (GCOP)	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
Geothermal Heat Pumps (COP)	3.41	3.42	3.42	3.42	3.43	3.43	3.43	3.44	3.44	3.44	3.45	3.45	3.46
Natural Gas Furnace (AFUE)	0.78	0.79	0.79	0.80	0.80	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83
Distillate Furnace (AFUE)	0.80	0.80	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Space Cooling													

Table 21. Residential Sector Equipment Stock and Efficiency

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric Heat Pumps (SEER)	10.30	10.41	10.51	10.60	10.68	10.74	10.94	11.11	11.27	11.42	11.56	11.69	11.82
Natural Gas Heat Pumps (GCOP)	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Geothermal Heat Pumps (EER)	13.62	13.66	13.70	13.74	13.78	13.79	13.81	13.82	13.83	13.85	13.89	13.92	13.96
Cent. Air Conditioners (SEER)	10.15	10.24	10.32	10.38	10.44	10.50	10.70	10.87	11.04	11.20	11.35	11.49	11.63
Room Air Conditioners (EER)	8.89	9.01	9.11	9.20	9.29	9.36	9.43	9.49	9.55	9.60	9.66	9.70	9.73
Water Heaters													
Electric (EF)	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.89	0.89	0.89	0.89	0.90	0.90
Natural Gas (EF)	0.55	0.55	0.55	0.55	0.56	0.56	0.57	0.57	0.57	0.58	0.58	0.58	0.59
Distillate (EF)	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Liquefied Petroleum Gas (EF)	0.55	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.58	0.58	0.58	0.59	0.59
Other Appliances (kilowatthours per year) 2/													
Refrigerators	881.78	858.60	823.82	791.44	761.41	733.80	708.31	684.41	661.90	640.59	621.18	603.74	588.20
Freezers	631.23	609.77	586.57	564.99	545.01	527.72	513.68	502.04	491.92	483.25	475.55	469.02	463.50
Building Shell Efficiency Index													
Space Heating													
Pre-1998 Homes	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.93	0.93	0.93	0.93	0.93
New Construction	0.86	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.82	0.82
All Homes	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.92	0.92	0.92	0.91	0.91	0.91
Space Cooling													
Pre-1998 Homes	0.96	0.96	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
New Construction	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
All Homes	0.95	0.95	0.95	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94

Table 21. Residential Sector Equipment Stock and Efficiency

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Equipment Stock (million units)														
Main Space Heaters														
Electric Heat Pumps	12.65	12.83	13.00	13.16	13.32	13.48	13.64	13.80	13.96	14.12	14.28	14.45	14.62	1.5%
Electric Other	23.43	23.69	23.93	24.16	24.38	24.60	24.83	25.05	25.27	25.50	25.74	25.99	26.24	1.0%
Natural Gas Heat Pumps	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
Natural Gas Other	65.81	66.56	67.30	68.00	68.69	69.35	70.03	70.71	71.39	72.09	72.78	73.48	74.17	1.1%
Distillate	9.11	9.08	9.06	9.04	9.01	8.99	8.96	8.94	8.91	8.88	8.86	8.83	8.81	-0.3%
Liquefied Petroleum Gas	4.69	4.68	4.68	4.68	4.67	4.67	4.66	4.65	4.65	4.64	4.64	4.64	4.63	-0.1%
Kerosene	0.79	0.78	0.78	0.77	0.76	0.75	0.74	0.74	0.73	0.72	0.71	0.71	0.70	-1.1%
Wood Stoves	1.96	1.95	1.94	1.92	1.91	1.90	1.88	1.87	1.86	1.85	1.84	1.83	1.82	-0.7%
Geothermal Heat Pumps	0.55	0.56	0.58	0.60	0.61	0.63	0.64	0.66	0.67	0.69	0.70	0.72	0.74	2.7%
Total	118.99	120.14	121.26	122.33	123.36	124.37	125.39	126.41	127.44	128.49	129.55	130.64	131.72	1.0%
Space Cooling (million units)														
Electric Heat Pumps	12.65	12.83	13.00	13.16	13.32	13.48	13.64	13.80	13.96	14.12	14.28	14.45	14.62	1.5%
Natural Gas Heat Pumps	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
Geothermal Heat Pumps	0.55	0.56	0.58	0.60	0.61	0.63	0.64	0.66	0.67	0.69	0.70	0.72	0.74	2.7%
Central Air Conditioners	54.97	56.01	57.02	58.00	58.95	59.87	60.80	61.73	62.65	63.58	64.50	65.44	66.36	2.0%
Room Air Conditioners	38.19	38.24	38.28	38.32	38.36	38.39	38.44	38.48	38.53	38.59	38.66	38.73	38.81	0.1%
Total	106.36	107.64	108.88	110.08	111.25	112.38	113.52	114.67	115.81	116.98	118.14	119.34	120.53	1.2%
Water Heaters (million units)														
Electric	44.09	44.38	44.66	44.93	45.19	45.44	45.70	45.96	46.23	46.50	46.79	47.09	47.40	0.6%
Natural Gas	67.44	68.33	69.20	70.03	70.84	71.63	72.42	73.22	74.02	74.82	75.63	76.44	77.25	1.3%
Distillate	4.51	4.47	4.44	4.40	4.37	4.33	4.30	4.27	4.23	4.20	4.17	4.14	4.11	-0.8%
Liquefied Petroleum Gas	3.01	3.00	2.99	2.98	2.97	2.96	2.95	2.93	2.92	2.91	2.90	2.90	2.89	-0.4%
Solar Thermal	0.45	0.45	0.46	0.47	0.47	0.48	0.49	0.49	0.50	0.51	0.51	0.52	0.52	1.6%
Total	119.49	120.63	121.74	122.81	123.84	124.84	125.86	126.88	127.90	128.95	130.00	131.08	132.16	1.0%
Cooking Equipment (million units) 1/														
Electric	73.58	74.31	75.03	75.74	76.44	77.14	77.88	78.61	79.34	80.09	80.84	81.61	82.38	1.1%
Natural Gas	41.47	41.90	42.31	42.69	43.03	43.35	43.64	43.94	44.25	44.56	44.87	45.20	45.52	0.9%
Liquefied Petroleum Gas	4.11	4.09	4.07	4.05	4.03	4.02	4.01	4.00	3.99	3.97	3.96	3.95	3.94	-0.4%
Total	119.15	120.30	121.41	122.48	123.51	124.51	125.53	126.55	127.57	128.62	129.68	130.76	131.84	1.0%
Clothes Dryers (million units)														
Electric	71.59	72.57	73.54	74.47	75.37	76.26	77.14	78.02	78.88	79.74	80.59	81.45	82.29	1.4%
Natural Gas	22.83	23.27	23.71	24.12	24.53	24.92	25.30	25.69	26.08	26.47	26.87	27.27	27.67	2.0%
Total	94.42	95.85	97.24	98.59	99.90	101.17	102.44	103.70	104.96	106.21	107.46	108.72	109.97	1.6%
Other Appliances (million units)														
Refrigerators	137.97	139.20	140.40	141.54	142.65	143.72	144.80	145.89	146.98	148.09	149.21	150.35	151.50	0.9%
Freezers	34.33	34.47	34.62	34.78	34.94	35.11	35.30	35.50	35.73	35.97	36.24	36.53	36.84	0.4%
Stock Average Equipment Efficiency														
Main Space Heaters														
Electric Heat Pumps (HSPF)	7.58	7.62	7.66	7.69	7.72	7.74	7.77	7.80	7.83	7.85	7.87	7.88	7.90	0.5%
Natural Gas Heat Pumps (GCOP)	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.41	1.42	1.43	1.44	1.45	1.45	0.2%
Geothermal Heat Pumps (COP)	3.46	3.47	3.47	3.47	3.48	3.48	3.48	3.51	3.53	3.55	3.57	3.60	3.62	0.2%
Natural Gas Furnace (AFUE)	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.3%
Distillate Furnace (AFUE)	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.1%
Space Cooling														

Table 21. Residential Sector Equipment Stock and Efficiency

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electric Heat Pumps (SEER)	11.95	12.06	12.17	12.26	12.35	12.43	12.49	12.58	12.66	12.73	12.78	12.83	12.88	0.9%
Natural Gas Heat Pumps (GCOP)	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.0%
Geothermal Heat Pumps (EER)	13.99	14.01	14.03	14.05	14.07	14.08	14.09	14.24	14.36	14.48	14.60	14.72	14.83	0.3%
Cent. Air Conditioners (SEER)	11.76	11.88	11.99	12.10	12.19	12.27	12.35	12.43	12.51	12.57	12.63	12.68	12.72	0.9%
Room Air Conditioners (EER)	9.76	9.78	9.79	9.80	9.80	9.80	9.80	9.83	9.86	9.89	9.92	9.95	9.98	0.4%
Water Heaters														
Electric (EF)	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.2%
Natural Gas (EF)	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.3%
Distillate (EF)	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.0%
Liquefied Petroleum Gas (EF)	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.3%
Other Appliances (kilowatthours per year) 2/														
Refrigerators	574.53	562.48	552.05	543.05	535.41	528.89	523.45	518.63	514.53	511.11	508.41	506.39	504.90	-2.2%
Freezers	458.53	454.32	450.82	447.96	445.69	443.92	442.51	441.46	440.64	440.02	439.60	439.39	439.12	-1.4%
Building Shell Efficiency Index														
Space Heating														
Pre-1998 Homes	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.91	0.91	0.90	0.90	0.90	-0.2%
New Construction	0.82	0.82	0.82	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	-0.2%
All Homes	0.90	0.90	0.90	0.89	0.89	0.89	0.89	0.88	0.88	0.88	0.88	0.88	0.87	-0.3%
Space Cooling														
Pre-1998 Homes	0.95	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	-0.1%
New Construction	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	-0.1%
All Homes	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.92	0.92	0.92	-0.1%

Table 21. Residential Sector Equipment Stock and Efficiency

1/ Does not include microwave ovens or outdoor grills.
2/ Kilowatthours per year to run the appliance under certain test conditions as specified by the Department of Energy.
HSPF = Heating Seasonal Performance Factor: The total heating output of a heat pump in Btu during its normal annual usage period for heating divided by total electric input in watt-hours during the same period.
COP = Coefficient of Performance: Energy efficiency rating measure determined, under specific testing conditions, by dividing the energy output by the energy input.
GCOP = Gas Coefficient of Performance: Energy efficiency rating measure determined, under specific testing conditions, by dividing the energy output by the energy input.
AFUE = Annual Fuel Utilization Efficiency: Efficiency rating based on average usage, including on and off cycling, as set out in the standardized Department of Energy test procedures.
SEER = Seasonal Energy Efficiency Ratio: The total cooling of a central unitary air conditioner or a unitary heat pump in Btu during its normal annual usage period for cooling divided by the total electric energy input in watt-hours during the same period.
EER = Energy Efficiency Ratio: A ratio calculated by dividing the cooling capacity in Btu per hour by the power input in watts at any given set of rating conditions, expressed in Btu per hour per watt.
EF = Efficiency Factor: Efficiency (measured in Btu out / Btu in) of water heaters under certain test conditions specified by the Department of Energy.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 22. Commercial Sector Energy Consumption, Floorspace, and Equipment Efficiency

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Commercial Building Delivered													
Energy Consumption (quadrillion Btu) 1/													
Assembly	0.52	0.51	0.52	0.53	0.54	0.54	0.55	0.56	0.56	0.57	0.57	0.58	0.58
Education	0.70	0.68	0.70	0.72	0.74	0.75	0.77	0.78	0.79	0.80	0.81	0.82	0.83
Food Sales	0.20	0.20	0.21	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.24	0.24
Food Service	0.45	0.44	0.46	0.46	0.47	0.48	0.48	0.49	0.49	0.50	0.50	0.51	0.52
Health Care	0.46	0.45	0.46	0.48	0.50	0.51	0.53	0.54	0.56	0.57	0.59	0.60	0.62
Lodging	0.47	0.45	0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.54	0.55	0.56	0.57
Office - Large	0.74	0.73	0.75	0.76	0.78	0.80	0.82	0.83	0.85	0.86	0.88	0.89	0.91
Office - Small	0.42	0.42	0.43	0.44	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.54
Mercantile/Service	1.24	1.22	1.26	1.30	1.33	1.36	1.38	1.41	1.43	1.44	1.46	1.48	1.50
Warehouse	0.54	0.53	0.56	0.59	0.60	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68
Other	0.37	0.38	0.39	0.41	0.42	0.44	0.45	0.47	0.48	0.50	0.51	0.53	0.54
Total	6.11	6.01	6.21	6.37	6.55	6.68	6.81	6.93	7.05	7.16	7.27	7.40	7.52
Commercial Building Floorspace													
(billion square feet)													
Assembly	7.86	7.95	8.03	8.10	8.18	8.25	8.33	8.40	8.48	8.56	8.64	8.72	8.81
Education	8.82	9.03	9.25	9.46	9.68	9.88	10.07	10.26	10.44	10.62	10.79	10.95	11.12
Food Sales	1.01	1.04	1.06	1.08	1.09	1.10	1.11	1.12	1.14	1.15	1.17	1.18	1.19
Food Service	1.89	1.93	1.97	2.00	2.03	2.04	2.06	2.08	2.10	2.12	2.14	2.16	2.19
Health Care	1.88	1.93	1.98	2.03	2.08	2.13	2.17	2.22	2.27	2.32	2.37	2.42	2.48
Lodging	4.61	4.71	4.83	4.94	5.04	5.13	5.22	5.30	5.39	5.49	5.60	5.71	5.83
Office - Large	7.41	7.52	7.65	7.78	7.89	7.98	8.05	8.13	8.20	8.28	8.37	8.46	8.55
Office - Small	5.76	5.86	5.97	6.08	6.18	6.26	6.33	6.39	6.46	6.54	6.61	6.70	6.78
Mercantile/Service	14.00	14.29	14.56	14.81	15.04	15.23	15.40	15.57	15.75	15.94	16.14	16.35	16.54
Warehouse	10.81	11.33	11.80	12.19	12.50	12.74	12.93	13.11	13.29	13.50	13.75	14.04	14.35
Other	4.46	4.64	4.82	5.00	5.18	5.35	5.53	5.70	5.86	6.02	6.19	6.36	6.53
Total	68.51	70.22	71.91	73.47	74.88	76.09	77.20	78.28	79.38	80.54	81.77	83.06	84.36
Stock Average Equipment Efficiency 2/													
Space Heating													
Electricity	1.06	1.07	1.08	1.08	1.09	1.09	1.10	1.10	1.11	1.11	1.11	1.11	1.12
Natural Gas	0.72	0.73	0.73	0.74	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77
Distillate	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.78
Space Cooling													
Electricity	2.70	2.74	2.78	2.82	2.85	2.88	2.92	2.95	2.98	3.01	3.04	3.07	3.10
Natural Gas	0.91	0.95	0.97	0.97	0.98	0.99	1.00	1.01	1.02	1.03	1.03	1.04	1.05
Water Heating													
Electricity	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Natural Gas	0.76	0.78	0.79	0.80	0.80	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83
Distillate	0.75	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.77
Ventilation (cubic feet per minute per Btu) 3/													
Electricity	0.33	0.34	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.39	0.40
Cooking													
Electricity	0.71	0.71	0.72	0.72	0.73	0.73	0.73	0.73	0.74	0.74	0.74	0.74	0.74
Natural Gas	0.50	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.52

Table 22. Commercial Sector Energy Consumption, Floorspace, and Equipment Efficiency

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Lighting Efficacy 4/													
(efficacy in lumens per watt)													
Electricity	47.31	47.62	47.72	47.73	47.69	47.78	47.87	47.95	48.03	48.18	48.30	48.43	48.62
Refrigeration													
Electricity	1.35	1.35	1.36	1.37	1.37	1.37	1.38	1.38	1.39	1.39	1.39	1.39	1.40

Table 22. Commercial Sector Energy Consumption, Floorspace, and Equipment Efficiency

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Commercial Building Delivered														
Energy Consumption (quadrillion Btu) 1/														
Assembly	0.59	0.59	0.60	0.61	0.62	0.62	0.63	0.64	0.64	0.65	0.66	0.67	0.67	1.2%
Education	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.92	0.92	0.92	0.93	0.93	1.3%
Food Sales	0.24	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.27	0.27	1.2%
Food Service	0.52	0.53	0.53	0.54	0.54	0.55	0.56	0.57	0.58	0.58	0.59	0.60	0.60	1.3%
Health Care	0.63	0.65	0.67	0.69	0.71	0.73	0.75	0.77	0.79	0.81	0.83	0.85	0.88	2.8%
Lodging	0.58	0.60	0.61	0.62	0.64	0.65	0.66	0.68	0.69	0.71	0.72	0.74	0.76	2.2%
Office - Large	0.93	0.94	0.96	0.98	1.00	1.02	1.04	1.06	1.09	1.11	1.13	1.15	1.18	2.0%
Office - Small	0.55	0.56	0.57	0.58	0.60	0.61	0.62	0.63	0.64	0.66	0.67	0.68	0.70	2.2%
Mercantile/Service	1.52	1.53	1.55	1.56	1.58	1.60	1.62	1.64	1.66	1.68	1.70	1.71	1.73	1.5%
Warehouse	0.70	0.72	0.73	0.75	0.76	0.78	0.80	0.82	0.84	0.86	0.89	0.91	0.92	2.3%
Other	0.56	0.57	0.59	0.61	0.63	0.65	0.66	0.68	0.70	0.72	0.74	0.76	0.79	3.1%
Total	7.66	7.79	7.92	8.06	8.20	8.35	8.51	8.66	8.82	8.97	9.12	9.27	9.43	1.9%
Commercial Building Floorspace														
(billion square feet)														
Assembly	8.89	8.98	9.07	9.15	9.24	9.33	9.41	9.50	9.59	9.68	9.77	9.86	9.96	0.9%
Education	11.27	11.42	11.57	11.71	11.84	11.97	12.08	12.18	12.26	12.33	12.38	12.41	12.43	1.3%
Food Sales	1.20	1.21	1.22	1.23	1.24	1.26	1.27	1.28	1.29	1.29	1.30	1.31	1.32	1.0%
Food Service	2.20	2.22	2.24	2.26	2.28	2.30	2.33	2.35	2.37	2.39	2.41	2.43	2.46	1.0%
Health Care	2.53	2.59	2.65	2.71	2.77	2.83	2.90	2.96	3.03	3.09	3.16	3.23	3.30	2.3%
Lodging	5.95	6.07	6.19	6.30	6.42	6.54	6.66	6.79	6.91	7.03	7.15	7.28	7.41	1.9%
Office - Large	8.64	8.74	8.84	8.94	9.04	9.14	9.25	9.35	9.46	9.56	9.66	9.77	9.89	1.2%
Office - Small	6.87	6.96	7.06	7.15	7.24	7.34	7.43	7.53	7.63	7.73	7.83	7.93	8.04	1.3%
Mercantile/Service	16.72	16.89	17.06	17.23	17.40	17.59	17.78	17.97	18.16	18.34	18.51	18.69	18.88	1.2%
Warehouse	14.66	14.97	15.26	15.54	15.81	16.10	16.42	16.77	17.15	17.53	17.89	18.23	18.53	2.1%
Other	6.70	6.87	7.05	7.23	7.41	7.59	7.78	7.96	8.14	8.32	8.51	8.70	8.89	2.7%
Total	85.65	86.93	88.20	89.46	90.71	91.98	93.30	94.64	95.98	97.29	98.57	99.85	101.10	1.5%
Stock Average Equipment Efficiency 2/														
Space Heating														
Electricity	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.13	1.13	1.13	0.2%
Natural Gas	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.3%
Distillate	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.2%
Space Cooling														
Electricity	3.12	3.14	3.17	3.19	3.21	3.23	3.25	3.27	3.29	3.31	3.33	3.35	3.37	0.9%
Natural Gas	1.05	1.06	1.06	1.07	1.07	1.08	1.08	1.09	1.09	1.09	1.10	1.10	1.10	0.6%
Water Heating														
Electricity	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	0.1%
Natural Gas	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.3%
Distillate	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.1%
Ventilation (cubic feet per minute per Btu) 3/														
Electricity	0.40	0.41	0.41	0.42	0.42	0.43	0.43	0.43	0.44	0.44	0.44	0.44	0.45	1.1%
Cooking														
Electricity	0.74	0.74	0.74	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.2%
Natural Gas	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.1%

Table 22. Commercial Sector Energy Consumption, Floorspace, and Equipment Efficiency

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Lighting Efficacy 4/														
(efficacy in lumens per watt)														
Electricity	48.80	48.96	49.28	49.63	49.97	50.28	50.59	50.93	51.26	51.60	51.92	52.25	52.58	0.4%
Refrigeration														
Electricity	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	0.1%

Table 22. Commercial Sector Energy Consumption, Floorspace, and Equipment Efficiency

1/ Excludes commercial sector energy consumption (from uses such as street lights) that is not attributable to buildings.
2/ Unless noted otherwise, the efficiency measures are in the terms of Btu of energy output divided by Btu of energy input.
3/ The efficiency measure for ventilation is in terms of cubic feet per minute (cfm) of ventilation air delivered divided by Btu of energy input.
4/ A measurement of the ratio of light produced by a light source to the electrical power used to produce that quality of light, expressed in lumens per watt.
Btu = British thermal unit.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 23. Industrial Sector Macroeconomic Indicators

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
GDP (billion 1996 dollars)	9191.4	9214.5	9439.7	9743.3	10074.5	10361.2	10666.6	11017.3	11407.9	11810.3	12258.4	12671.3	13081.8
Non-Agricultural Employment (millions)	131.3	131.7	130.8	132.6	135.3	137.0	138.6	140.7	142.9	144.7	147.1	149.3	150.5
Value of Shipments (billion 1996 dollars)													
Nonmanufacturing Sector													
Agricultural	282.1	282.0	284.4	285.1	286.7	288.5	291.8	297.6	304.7	311.3	317.4	323.7	328.8
Mining	139.6	140.4	138.8	141.4	142.5	143.4	147.7	149.5	151.1	152.1	153.0	154.4	156.1
Construction	919.7	923.4	905.4	893.7	905.1	908.0	918.3	955.0	985.4	1007.4	1034.8	1064.4	1088.3
Manufacturing Sector													
Food and Kindred Products	437.7	441.1	445.4	455.9	462.3	464.5	467.1	471.9	477.9	487.3	499.2	509.4	516.9
Beverages and Tobacco Products	105.4	105.0	106.2	106.9	108.0	109.4	110.3	111.6	113.0	114.8	117.1	119.2	120.7
Textile Mill Products	78.5	70.3	66.8	66.1	65.1	64.6	64.1	64.0	63.4	63.2	63.0	62.8	63.9
Apparel and Other Textile Products	80.1	75.0	75.3	73.2	71.9	71.2	70.2	69.9	69.1	68.2	67.8	67.4	67.7
Lumber and Wood Products	108.9	99.7	101.0	105.2	106.4	103.5	104.2	106.8	109.2	112.1	116.0	119.3	122.3
Furniture and Fixtures	67.6	61.6	61.2	63.8	65.0	65.4	66.3	68.8	70.7	72.8	75.5	78.0	79.6
Paper and Allied Products	165.4	154.2	152.3	157.0	160.4	162.8	164.7	167.5	170.5	174.7	179.9	184.6	188.4
Printing and Publishing	209.5	191.7	184.5	189.3	193.6	195.6	198.1	201.7	204.1	207.4	211.7	215.4	219.2
Chemical and Allied Products	413.4	388.2	384.6	398.6	408.4	415.3	425.6	440.1	454.9	472.1	491.4	510.4	527.6
Bulk Chemicals	205.2	192.6	190.8	196.6	199.4	199.7	202.9	208.1	213.7	220.4	228.0	235.3	241.6
Other Chemical and Allied Products	208.2	195.7	193.8	202.0	209.0	215.6	222.7	232.0	241.2	251.7	263.4	275.1	286.0
Petroleum and Coal Products	183.0	187.0	189.7	193.4	193.9	196.7	199.1	203.8	207.3	210.7	214.9	218.3	221.5
Petroleum Refining	164.0	170.1	173.0	176.7	176.9	179.5	181.5	185.8	188.9	191.8	195.5	198.3	201.2
Other Petroleum and Coal Products	19.1	16.9	16.7	16.6	17.0	17.2	17.6	18.0	18.4	18.9	19.4	20.0	20.3
Rubber and Miscellaneous Plastic Products	169.7	160.7	160.8	166.2	171.5	175.2	179.9	185.5	190.4	196.4	203.6	210.8	218.1
Leather and Leather Products	8.1	7.2	6.6	6.4	6.2	6.0	5.8	5.6	5.5	5.4	5.4	5.3	5.2
Stone, Clay, and Glass Products	99.8	87.6	79.5	80.3	82.9	84.8	87.1	90.1	92.7	95.5	98.7	102.0	103.5
Glass and Glass Products	27.4	24.1	22.4	22.6	23.4	24.4	25.4	26.4	27.2	28.3	29.3	30.6	31.3
Cement and Hydraulic Products	6.3	6.0	5.7	5.7	6.1	6.2	6.2	6.4	6.7	6.8	7.0	7.2	7.3
Other Stone, Clay, and Glass Products	66.0	57.4	51.5	52.0	53.4	54.2	55.5	57.3	58.8	60.4	62.3	64.2	64.9
Primary Metals Industry	195.1	175.6	169.1	177.5	183.4	185.2	189.1	195.3	199.6	205.4	212.8	219.7	224.7
Blast Furnace and Basic Steel Products	75.4	67.5	66.0	69.6	71.4	72.2	73.9	76.0	77.6	79.8	82.3	84.8	86.3
Aluminum	31.7	30.3	29.4	30.6	31.4	31.3	31.5	32.1	32.9	33.7	34.8	35.7	36.3
Other Primary Metal Products	87.9	77.8	73.7	77.3	80.6	81.7	83.7	87.2	89.0	91.9	95.7	99.2	102.1
Fabricated Metal Products	237.8	217.3	213.8	224.0	231.2	235.0	238.6	244.4	249.5	256.1	264.4	272.4	280.1
Industrial Machinery and Equipment	494.6	442.9	424.4	467.6	505.8	532.0	568.0	592.2	623.2	657.6	696.1	732.1	770.5
Electronic and Other Electric Equipment	511.6	441.0	437.6	512.0	581.0	628.6	687.7	744.1	805.8	875.1	948.6	1017.5	1088.0
Transportation Equipment	565.2	528.8	502.3	533.9	569.4	582.7	607.6	636.1	649.4	667.7	686.7	701.6	714.1
Instruments and Related Products	179.7	180.2	179.1	184.4	191.7	197.4	200.8	206.4	212.0	218.1	225.8	233.0	244.0
Miscellaneous Manufacturing Industries	66.5	63.8	62.8	63.8	65.4	66.3	67.5	69.5	70.8	72.5	74.8	76.9	80.4
Total Industrial Value of Shipments	5719.1	5424.9	5331.7	5545.2	5757.6	5882.2	6059.6	6277.4	6480.1	6704.0	6958.6	7198.3	7429.8

Table 23. Industrial Sector Macroeconomic Indicators

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
GDP (billion 1996 dollars)	13479.9	13892.9	14287.9	14680.7	15101.4	15540.1	16013.0	16450.0	16887.9	17362.6	17858.1	18388.7	18916.5	3.0%
Non-Agricultural Employment (millions)	151.5	152.8	154.0	155.1	156.0	157.0	158.1	159.2	160.0	161.4	162.7	164.4	165.9	1.0%
Value of Shipments (billion 1996 dollars)														
Nonmanufacturing Sector														
Agricultural	332.7	336.4	340.0	344.2	349.1	353.9	358.4	363.4	368.4	372.9	377.4	382.3	387.6	1.3%
Mining	157.4	159.0	160.8	162.1	163.5	166.0	168.9	170.9	172.9	175.9	177.4	179.4	181.1	1.1%
Construction	1098.5	1119.1	1134.9	1145.3	1156.6	1166.7	1187.5	1208.8	1225.2	1244.1	1259.3	1279.4	1300.5	1.4%
Manufacturing Sector														
Food and Kindred Products	522.8	529.2	535.4	541.9	549.3	557.0	565.4	572.6	579.6	587.1	594.7	603.1	609.4	1.4%
Beverages and Tobacco Products	122.0	123.4	124.9	126.6	128.6	130.5	132.5	134.3	136.2	138.2	140.0	142.0	143.9	1.3%
Textile Mill Products	65.9	67.8	69.4	71.1	73.0	75.3	77.7	79.5	81.0	82.6	84.2	85.5	85.4	0.8%
Apparel and Other Textile Products	68.3	68.7	68.9	69.1	69.5	69.8	70.3	70.5	70.6	70.8	70.9	71.3	71.6	-0.2%
Lumber and Wood Products	124.3	126.6	128.1	128.8	130.1	131.6	134.3	136.1	138.1	140.6	142.8	145.3	145.5	1.6%
Furniture and Fixtures	80.7	82.1	82.8	83.4	84.4	85.2	86.3	86.7	86.9	87.3	87.1	86.6	84.8	1.3%
Paper and Allied Products	192.0	195.6	198.6	201.3	204.2	207.4	210.8	213.7	216.3	219.5	222.6	225.9	229.1	1.7%
Printing and Publishing	223.1	227.2	230.8	234.0	237.5	241.4	245.9	249.9	253.2	257.3	261.5	266.3	271.0	1.5%
Chemical and Allied Products	541.8	556.1	568.8	582.2	598.4	614.7	631.1	645.4	661.0	676.9	691.8	707.9	724.1	2.6%
Bulk Chemicals	246.1	250.5	254.0	257.3	261.7	266.1	271.0	274.9	279.2	283.7	287.9	292.6	296.8	1.8%
Other Chemical and Allied Products	295.7	305.6	314.7	324.9	336.7	348.6	360.1	370.5	381.8	393.2	403.9	415.3	427.3	3.3%
Petroleum and Coal Products	223.7	225.3	226.6	228.1	229.8	231.7	233.7	235.4	236.3	237.4	238.6	240.0	241.1	1.1%
Petroleum Refining	203.1	204.3	205.2	206.3	207.6	209.0	210.4	211.8	212.3	212.8	213.4	214.2	214.7	1.0%
Other Petroleum and Coal Products	20.6	21.0	21.4	21.8	22.2	22.7	23.3	23.6	24.0	24.6	25.2	25.8	26.4	1.9%
Rubber and Miscellaneous Plastic Products	225.9	234.5	242.0	249.0	256.7	264.8	273.8	281.0	288.8	298.3	307.7	318.0	327.0	3.0%
Leather and Leather Products	5.1	5.0	4.9	4.8	4.7	4.6	4.6	4.4	4.3	4.2	4.1	3.9	3.8	-2.7%
Stone, Clay, and Glass Products	104.3	105.6	106.4	107.0	107.8	108.8	110.4	111.5	112.6	114.2	115.6	117.3	117.7	1.2%
Glass and Glass Products	31.8	32.4	33.0	33.5	34.1	34.6	35.5	36.3	37.1	38.0	38.9	40.0	40.9	2.2%
Cement and Hydraulic Products	7.5	7.6	7.7	7.8	7.8	7.9	8.0	8.0	8.2	8.2	8.3	8.3	8.3	1.3%
Other Stone, Clay, and Glass Products	65.0	65.5	65.7	65.7	65.9	66.2	66.9	67.1	67.4	68.0	68.5	69.0	68.5	0.7%
Primary Metals Industry	228.0	231.5	232.4	232.4	233.6	235.2	237.7	238.1	238.3	240.8	242.6	245.8	248.0	1.4%
Blast Furnace and Basic Steel Products	87.2	88.0	87.8	87.5	87.7	88.2	88.7	88.3	88.3	88.8	89.2	89.9	90.2	1.2%
Aluminum	37.0	37.7	38.2	38.6	39.0	39.4	39.9	40.1	40.4	40.9	41.4	41.9	42.5	1.4%
Other Primary Metal Products	103.8	105.8	106.4	106.4	106.9	107.6	109.1	109.7	109.6	111.0	112.1	114.1	115.2	1.6%
Fabricated Metal Products	287.2	294.7	300.4	305.2	310.6	316.5	322.9	328.2	333.4	340.3	346.8	354.0	360.8	2.1%
Industrial Machinery and Equipment	808.6	844.7	873.5	900.5	931.9	967.7	1004.9	1041.4	1084.1	1134.4	1189.8	1248.9	1282.0	4.5%
Electronic and Other Electric Equipment	1154.9	1214.8	1259.6	1294.3	1328.5	1365.4	1403.8	1439.8	1481.0	1529.4	1580.1	1634.7	1690.5	5.8%
Transportation Equipment	726.4	747.6	766.0	783.6	807.5	832.3	864.7	889.3	912.0	948.6	981.7	1026.1	1061.4	2.9%
Instruments and Related Products	256.1	268.0	279.2	290.3	302.0	313.8	326.1	338.3	350.7	363.6	376.6	390.1	404.4	3.4%
Miscellaneous Manufacturing Industries	84.8	89.8	94.6	99.4	104.9	111.0	117.7	123.9	129.6	136.3	142.9	149.9	155.7	3.8%
Total Industrial Value of Shipments	7634.5	7852.7	8029.1	8184.7	8362.2	8551.3	8769.2	8963.0	9160.6	9400.6	9636.1	9903.8	10126.2	2.6%

Table 23. Industrial Sector Macroeconomic Indicators

GDP = Gross domestic product.
Note: Totals may not equal sum of components due to independent rounding.
Source: 2000 and 2001: Global Insight macroeconomic model CTL0802 and industry service August 2002, run for the Energy Information Administration (EIA). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 24. Refining Industry Energy Consumption

Shipments and Energy Consumption 1/	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Value of Shipments (billion 1996 dollars)	163.95	170.11	173.02	176.75	176.87	179.50	181.51	185.79	188.91	191.77	195.54	198.32	201.19
Energy Consumption (trillion Btu)													
Residual Oil	35.2	39.8	39.5	40.7	0.2	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Distillate Oil	4.2	6.2	6.2	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liquefied Petroleum Gas	16.3	19.0	18.8	19.4	61.8	61.8	63.9	63.7	62.3	64.8	71.0	79.7	95.5
Petroleum Coke	579.0	532.6	528.8	544.6	601.7	604.3	567.9	572.5	587.1	585.3	596.0	606.5	615.6
Still Gas	1431.2	1441.3	1430.9	1473.7	1576.2	1594.2	1664.4	1696.1	1739.8	1750.3	1721.7	1667.5	1634.0
Other Petroleum 2/	39.5	33.5	33.3	34.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petroleum Subtotal	2105.5	2072.5	2057.4	2119.1	2239.8	2260.3	2296.3	2332.4	2389.4	2400.7	2388.9	2354.0	2345.3
Natural Gas	853.3	785.4	779.8	803.1	664.0	677.0	746.6	762.2	760.2	776.7	845.8	898.9	902.0
Steam Coal 3/	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Purchased Electricity	112.0	116.6	115.8	119.3	120.9	121.4	129.7	139.5	144.1	143.6	147.2	151.2	154.9
Total	3071.6	2975.4	2953.8	3042.3	3024.7	3058.7	3172.6	3234.1	3293.7	3320.9	3381.9	3404.1	3402.2
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)													
Residual Oil	0.21	0.23	0.23	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Distillate Oil	0.03	0.04	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Liquefied Petroleum Gas	0.10	0.11	0.11	0.11	0.35	0.34	0.35	0.34	0.33	0.34	0.36	0.40	0.47
Petroleum Coke	3.53	3.13	3.06	3.08	3.40	3.37	3.13	3.08	3.11	3.05	3.05	3.06	3.06
Still Gas	8.73	8.47	8.27	8.34	8.91	8.88	9.17	9.13	9.21	9.13	8.80	8.41	8.12
Other Petroleum 2/	0.24	0.20	0.19	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Petroleum Subtotal	12.84	12.18	11.89	11.99	12.66	12.59	12.65	12.55	12.65	12.52	12.22	11.87	11.66
Natural Gas	5.20	4.62	4.51	4.54	3.75	3.77	4.11	4.10	4.02	4.05	4.33	4.53	4.48
Steam Coal	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
Purchased Electricity	0.68	0.69	0.67	0.67	0.68	0.68	0.71	0.75	0.76	0.75	0.75	0.76	0.77
Total	18.73	17.49	17.07	17.21	17.10	17.04	17.48	17.41	17.44	17.32	17.30	17.17	16.91
Carbon Dioxide Emissions 4/ (million metric tons carbon equivalent)	53.1	52.0	51.3	52.7	52.4	53.0	55.2	56.5	57.6	58.0	58.9	59.2	59.2
Combined Heat and Power													
Generating Capacity (gigawatts)													
Petroleum	0.08	0.08	0.08	0.08	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Natural Gas	2.57	2.57	2.57	2.57	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39
Coal	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 5/	1.05	1.05	1.05	1.05	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
Total	3.70	3.70	3.70	3.70	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67
Net Generation (billion kilowatthours)													
Petroleum	0.85	0.87	1.28	1.28	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
Natural Gas	15.67	15.64	16.26	16.26	15.58	15.58	15.58	15.58	15.58	15.58	15.58	15.58	15.58
Coal	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 5/	6.41	6.03	5.93	5.93	7.13	7.13	7.13	7.13	7.13	7.13	7.13	7.13	7.13
Total	22.93	22.55	23.47	23.47	23.93	23.93	23.93	23.93	23.93	23.93	23.93	23.93	23.93
Disposition													
Sales to the Grid	5.94	4.69	6.09	6.09	5.45	5.45	5.45	5.45	5.45	5.45	5.45	5.45	5.45
Generation for Own Use	17.00	17.86	17.38	17.38	18.48	18.48	18.48	18.48	18.48	18.48	18.48	18.48	18.48
Energy Input (trillion Btu)													
Petroleum	37	37	37	37	27	27	27	26	26	26	26	26	26
Natural Gas	316	330	330	330	340	339	338	337	336	335	334	333	332
Coal	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 24. Refining Industry Energy Consumption

Shipments and Energy Consumption 1/	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Other 5/	175	156	156	156	156	155	155	154	154	154	153	153	152
Total	528	523	523	523	523	521	520	518	517	515	514	512	510
Energy Consumed at Ethanol Plants (trillion Btu)													
Natural Gas	24.4	26.2	29.1	34.1	46.8	48.3	50.7	53.2	55.8	58.4	60.3	62.9	61.8
Coal	50.9	54.8	60.9	71.6	72.9	72.4	72.4	72.3	72.2	72.2	72.1	71.9	71.9
Electricity	2.8	3.1	3.5	4.1	5.5	5.7	5.9	6.2	6.5	6.7	7.0	7.2	7.1
Total	78.1	84.0	93.5	109.9	125.1	126.4	129.1	131.7	134.4	137.3	139.4	142.0	140.9

Table 24. Refining Industry Energy Consumption

Shipments and Energy Consumption 1/	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Value of Shipments (billion 1996 dollars)	203.13	204.28	205.17	206.31	207.57	209.03	210.42	211.78	212.30	212.82	213.40	214.17	214.71	1.0%
Energy Consumption (trillion Btu)														
Residual Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Distillate Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Liquefied Petroleum Gas	125.8	130.8	139.4	142.2	141.1	144.7	154.1	157.0	156.0	155.2	152.9	155.0	158.3	9.2%
Petroleum Coke	624.7	626.3	643.6	649.9	653.1	646.1	648.8	643.7	651.5	656.1	646.0	641.6	638.5	0.8%
Still Gas	1625.1	1626.8	1571.7	1587.1	1604.1	1605.9	1602.8	1598.1	1584.9	1579.8	1583.4	1583.3	1581.8	0.4%
Other Petroleum 2/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Petroleum Subtotal	2375.5	2383.9	2354.8	2379.2	2398.3	2396.7	2405.6	2398.8	2392.4	2391.1	2382.2	2379.8	2378.6	0.6%
Natural Gas	869.5	863.8	893.5	878.5	863.6	854.1	847.4	845.0	855.9	859.0	863.1	865.4	866.0	0.4%
Steam Coal 3/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Purchased Electricity	160.5	160.7	163.9	165.9	167.2	165.6	164.3	164.4	163.9	164.0	164.6	165.0	167.0	1.5%
Total	3405.6	3408.3	3412.2	3423.7	3429.1	3416.4	3417.4	3408.2	3412.2	3414.0	3410.0	3410.2	3411.6	0.6%
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)														
Residual Oil	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
Distillate Oil	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
Liquefied Petroleum Gas	0.62	0.64	0.68	0.69	0.68	0.69	0.73	0.74	0.73	0.73	0.72	0.72	0.74	8.2%
Petroleum Coke	3.08	3.07	3.14	3.15	3.15	3.09	3.08	3.04	3.07	3.08	3.03	3.00	2.97	-0.2%
Still Gas	8.00	7.96	7.66	7.69	7.73	7.68	7.62	7.55	7.47	7.42	7.42	7.39	7.37	-0.6%
Other Petroleum 2/	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
Petroleum Subtotal	11.69	11.67	11.48	11.53	11.55	11.47	11.43	11.33	11.27	11.24	11.16	11.11	11.08	-0.4%
Natural Gas	4.28	4.23	4.35	4.26	4.16	4.09	4.03	3.99	4.03	4.04	4.04	4.04	4.03	-0.6%
Steam Coal	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
Purchased Electricity	0.79	0.79	0.80	0.80	0.81	0.79	0.78	0.78	0.77	0.77	0.77	0.77	0.78	0.5%
Total	16.77	16.68	16.63	16.59	16.52	16.34	16.24	16.09	16.07	16.04	15.98	15.92	15.89	-0.4%
Carbon Dioxide Emissions 4/ (million metric tons carbon equivalent)	59.5	59.5	59.5	59.8	60.0	59.7	59.7	59.6	59.5	59.6	59.5	59.5	59.6	0.6%
Combined Heat and Power														
Generating Capacity (gigawatts)														
Petroleum	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.21	4.1%
Natural Gas	2.39	2.39	2.39	2.39	2.39	2.41	2.43	2.46	2.49	2.52	2.55	2.59	2.62	0.1%
Coal	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 5/	1.09	1.09	1.09	1.09	1.09	1.10	1.11	1.12	1.14	1.15	1.17	1.18	1.20	0.6%
Total	3.67	3.67	3.67	3.67	3.67	3.71	3.74	3.77	3.82	3.87	3.92	3.98	4.03	0.4%
Net Generation (billion kilowatthours)														
Petroleum	1.22	1.22	1.22	1.22	1.22	1.22	1.24	1.26	1.27	1.29	1.31	1.34	1.35	1.9%
Natural Gas	15.58	15.58	15.58	15.58	15.58	15.58	15.84	16.09	16.18	16.43	16.68	17.10	17.24	0.4%
Coal	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 5/	7.13	7.13	7.13	7.13	7.13	7.13	7.25	7.37	7.40	7.52	7.64	7.83	7.89	1.1%
Total	23.93	23.93	23.93	23.93	23.93	23.93	24.34	24.72	24.85	25.24	25.63	26.26	26.49	0.7%
Disposition														
Sales to the Grid	5.45	5.45	5.45	5.45	5.45	5.45	5.65	5.84	5.94	6.17	6.40	6.77	6.92	1.6%
Generation for Own Use	18.48	18.48	18.48	18.48	18.48	18.48	18.68	18.88	18.91	19.07	19.23	19.50	19.56	0.4%
Energy Input (trillion Btu)														
Petroleum	26	26	26	26	26	26	26	27	27	28	28	29	30	-0.9%
Natural Gas	331	330	329	328	327	326	335	342	344	352	360	373	377	0.6%
Coal	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A

Table 24. Refining Industry Energy Consumption

Shipments and Energy Consumption 1/	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Other 5/	152	151	151	150	150	149	153	157	158	161	165	171	173	0.4%
Total	509	507	506	504	503	501	514	526	529	541	553	573	579	0.4%
Energy Consumed at Ethanol Plants (trillion Btu)														
Natural Gas	63.4	65.0	66.3	67.2	68.0	68.8	69.2	69.5	69.9	70.0	70.3	69.9	69.1	4.1%
Coal	71.8	71.7	71.7	71.6	71.5	71.5	71.4	71.3	71.3	71.3	71.3	71.3	71.3	1.1%
Electricity	7.3	7.5	7.7	7.8	7.9	8.0	8.1	8.1	8.2	8.2	8.2	8.2	8.1	4.1%
Total	142.6	144.2	145.7	146.6	147.4	148.2	148.7	148.9	149.4	149.4	149.7	149.3	148.4	2.4%

Table 24. Refining Industry Energy Consumption

1/ Fuel consumption includes consumption for combined heat and power.
2/ Includes lubricants and miscellaneous petroleum products.
3/ Where coal-to-liquids (CTL) technology is adopted in the forecast, the plants are assumed to produce oil products and to generate electricity. A portion of the coal use is attributed to feedstock use to produce the liquids. The feedstock portion is assumed to be equal to the Btu content of the liquids produced. The rest of the coal used in CTL plants is accounted for in industrial steam coal consumption, a portion of which is reflected in energy used for end-use sector combined heat and power.
4/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.
5/ May include wood and other biomass, waste heat, municipal solid waste, and renewable sources.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2001 are model results and may differ slightly from official EIA data reports.
Source: 2001 nonutility and CHP summer capacity, net generation, fuel use, and thermal output: Energy Information Administration (EIA), Form EIA-860: "Annual Electric Generator Report" (preliminary). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 25. Food Industry Energy Consumption

Shipments and Energy Consumption 1/	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Value of Shipments (billion 1996 dollars)	437.69	441.09	445.40	455.93	462.27	464.51	467.13	471.90	477.86	487.34	499.25	509.37	516.95
Energy Consumption (trillion Btu)													
Residual Oil	12.5	12.6	11.1	11.3	11.4	11.3	11.2	11.2	11.2	11.4	11.6	11.7	11.8
Distillate Oil	15.1	15.5	13.7	13.9	14.2	14.2	14.1	14.1	14.2	14.4	14.7	14.8	14.9
Liquefied Petroleum Gas	4.9	4.8	5.0	5.1	5.0	5.0	5.0	5.0	5.1	5.2	5.2	5.3	5.4
Other Petroleum 2/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petroleum Subtotal	32.5	32.9	29.8	30.3	30.6	30.6	30.3	30.3	30.5	30.9	31.5	31.8	32.0
Natural Gas	551.3	550.6	563.6	571.4	577.3	577.6	578.3	580.6	583.7	590.4	599.7	607.4	611.7
Steam Coal	157.1	157.4	153.3	154.3	153.9	153.7	153.4	153.5	153.9	154.4	155.1	155.5	155.8
Renewables	130.0	131.4	133.3	136.9	139.5	140.9	142.4	144.7	147.3	151.1	155.6	159.6	162.9
Purchased Electricity	216.2	216.9	216.8	221.6	223.6	223.7	223.9	225.4	227.3	230.7	235.5	239.5	242.1
Total	1087.1	1089.1	1096.8	1114.6	1125.0	1126.4	1128.3	1134.6	1142.8	1157.5	1177.4	1193.8	1204.6
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)													
Residual Oil	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Distillate Oil	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Liquefied Petroleum Gas	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
Other Petroleum 2/	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
Petroleum Subtotal	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Natural Gas	1.26	1.25	1.27	1.25	1.25	1.24	1.24	1.23	1.22	1.21	1.20	1.19	1.18
Steam Coal	0.36	0.36	0.34	0.34	0.33	0.33	0.33	0.33	0.32	0.32	0.31	0.31	0.30
Renewables	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.32
Purchased Electricity	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.47	0.47	0.47	0.47
Total	2.48	2.47	2.46	2.44	2.43	2.42	2.42	2.40	2.39	2.38	2.36	2.34	2.33
Carbon Dioxide Emissions 3/ (million metric tons carbon equivalent)	24.0	24.0	23.4	23.6	23.8	23.8	23.9	24.1	24.2	24.4	24.8	25.1	25.2
Combined Heat and Power 4/													
Generating Capacity (gigawatts)													
Petroleum	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Natural Gas	0.51	0.55	0.60	0.64	0.68	0.72	0.77	0.81	0.85	0.89	0.92	0.96	0.99
Coal	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
Other 5/	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
Total	1.41	1.45	1.50	1.54	1.58	1.63	1.67	1.71	1.75	1.79	1.83	1.86	1.89
Net Generation (billion kilowatthours)													
Petroleum	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Natural Gas	2.08	2.36	2.72	3.00	3.31	3.64	3.95	4.24	4.54	4.83	5.10	5.34	5.58
Coal	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38
Other 5/	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
Total	5.89	6.17	6.53	6.81	7.12	7.45	7.76	8.05	8.35	8.64	8.91	9.15	9.39
Disposition													
Sales to the Grid	0.30	0.44	0.61	0.75	0.91	1.07	1.23	1.38	1.53	1.67	1.80	1.92	2.04
Generation for Own Use	5.60	5.74	5.92	6.05	6.21	6.37	6.53	6.68	6.83	6.97	7.10	7.22	7.34
Thermal Output (trillion Btu)	115.8	116.8	118.0	118.9	119.9	120.9	121.8	122.7	123.7	124.5	125.3	126.0	126.7
Energy Input (trillion Btu)													
Petroleum	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Natural Gas	64.7	67.3	70.6	73.1	76.0	78.9	81.7	84.3	87.0	89.6	91.9	94.0	96.1
Coal	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1
Other 5/	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1

Table 25. Food Industry Energy Consumption

Shipments and Energy Consumption 1/	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total	210.1	212.7	216.0	218.5	221.4	224.3	227.1	229.8	232.4	235.0	237.3	239.5	241.5
Efficiency 6/	0.647	0.648	0.649	0.650	0.651	0.652	0.653	0.654	0.655	0.655	0.656	0.657	0.657
Power-to-Heat Ratio 7/	0.174	0.180	0.189	0.195	0.203	0.210	0.217	0.224	0.230	0.237	0.242	0.248	0.253

Table 25. Food Industry Energy Consumption

Shipments and Energy Consumption 1/	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Value of Shipments (billion 1996 dollars)	522.77	529.24	535.37	541.94	549.32	557.00	565.37	572.55	579.65	587.11	594.75	603.14	609.36	1.4%
Energy Consumption (trillion Btu)														
Residual Oil	11.8	11.8	11.8	11.8	11.8	11.8	11.9	12.0	12.0	12.0	12.1	12.2	12.2	-0.1%
Distillate Oil	14.9	14.9	14.9	14.9	14.8	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.4	0.0%
Liquefied Petroleum Gas	5.4	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.7	5.7	5.8	5.9	5.9	0.9%
Other Petroleum 2/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Petroleum Subtotal	32.0	32.0	32.0	32.1	32.1	32.1	32.3	32.6	32.7	32.9	33.2	33.4	33.6	0.1%
Natural Gas	614.2	617.3	620.3	624.0	629.4	636.5	644.5	651.1	658.6	666.6	674.0	682.7	689.0	0.9%
Steam Coal	156.0	156.3	156.5	156.7	156.8	156.8	157.0	157.6	157.6	157.9	158.4	159.1	159.6	0.1%
Renewables	165.6	168.6	171.5	174.5	177.8	181.2	184.7	187.9	191.0	194.3	197.6	201.1	203.9	1.8%
Purchased Electricity	243.8	245.7	247.5	249.4	251.8	254.1	256.9	259.1	261.3	263.4	265.9	268.5	270.5	0.9%
Total	1211.6	1219.9	1227.8	1236.7	1247.9	1260.7	1275.5	1288.3	1301.3	1315.1	1329.1	1344.7	1356.5	0.9%
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)														
Residual Oil	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	-1.5%
Distillate Oil	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-1.4%
Liquefied Petroleum Gas	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%
Other Petroleum 2/	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
Petroleum Subtotal	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-1.3%
Natural Gas	1.17	1.17	1.16	1.15	1.15	1.14	1.14	1.14	1.14	1.14	1.13	1.13	1.13	-0.4%
Steam Coal	0.30	0.30	0.29	0.29	0.29	0.28	0.28	0.28	0.27	0.27	0.27	0.26	0.26	-1.3%
Renewables	0.32	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.5%
Purchased Electricity	0.47	0.46	0.46	0.46	0.46	0.46	0.45	0.45	0.45	0.45	0.45	0.45	0.44	-0.4%
Total	2.32	2.31	2.29	2.28	2.27	2.26	2.26	2.25	2.24	2.24	2.23	2.23	2.23	-0.4%
Carbon Dioxide Emissions 3/ (million metric tons carbon equivalent)	25.3	25.4	25.5	25.7	25.9	26.1	26.3	26.5	26.7	26.9	27.1	27.4	27.6	0.6%
Combined Heat and Power 4/														
Generating Capacity (gigawatts)														
Petroleum	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	N/A
Natural Gas	1.02	1.06	1.09	1.13	1.17	1.21	1.26	1.31	1.36	1.42	1.48	1.54	1.60	4.6%
Coal	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	N/A
Other 5/	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	N/A
Total	1.93	1.96	1.99	2.03	2.07	2.12	2.16	2.21	2.27	2.33	2.38	2.45	2.50	2.3%
Net Generation (billion kilowatthours)														
Petroleum	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	N/A
Natural Gas	5.82	6.06	6.31	6.59	6.87	7.20	7.53	7.91	8.28	8.72	9.12	9.58	9.98	6.2%
Coal	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	3.38	N/A
Other 5/	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	N/A
Total	9.63	9.87	10.12	10.40	10.68	11.01	11.34	11.72	12.09	12.53	12.93	13.39	13.79	3.4%
Disposition														
Sales to the Grid	2.16	2.29	2.41	2.55	2.69	2.86	3.02	3.21	3.39	3.61	3.81	4.05	4.24	9.9%
Generation for Own Use	7.46	7.59	7.71	7.85	7.99	8.16	8.32	8.51	8.70	8.91	9.11	9.35	9.54	2.1%
Thermal Output (trillion Btu)	127.4	128.1	128.8	129.6	130.4	131.3	132.2	133.2	134.2	135.3	136.4	137.5	138.5	0.7%
Energy Input (trillion Btu)														
Petroleum	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	N/A
Natural Gas	98.2	100.4	102.5	104.9	107.4	110.2	113.0	116.2	119.3	123.0	126.3	130.2	133.4	2.9%
Coal	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	N/A
Other 5/	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	N/A

Table 25. Food Industry Energy Consumption

Shipments and Energy Consumption 1/	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total	243.6	245.8	247.9	250.4	252.8	255.6	258.4	261.6	264.8	268.4	271.8	275.6	278.9	1.1%
Efficiency 6/	0.658	0.658	0.659	0.660	0.660	0.661	0.661	0.662	0.663	0.663	0.664	0.665	0.665	0.1%
Power-to-Heat Ratio 7/	0.258	0.263	0.268	0.274	0.279	0.286	0.293	0.300	0.307	0.316	0.323	0.332	0.340	2.7%

Table 25. Food Industry Energy Consumption

1/ Fuel consumption includes consumption for combined heat and power.
2/ Includes petroleum coke, lubricants, and miscellaneous petroleum products.
3/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.
4/ Includes industrial-owned generators not classified as combined heat and power, such as standby generators.
5/ Includes wood and other biomass, waste heat, municipal solid waste, and renewable sources.
6/ Efficiency is calculated as the sum of the thermal output and electrical generation in Btus divided by the energy input.
7/ Power-to-Heat is calculated as the electrical generation in Btus divided by the thermal output.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2001 are model results and may differ slightly from official EIA data reports.
Source: 2001 nonutility and CHP summer capacity, net generation, fuel use, and thermal output: Energy Information Administration (EIA), Form EIA-860: "Annual Electric Generator Report" (preliminary). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 26. Paper Industry Energy Consumption

Shipments and Energy Consumption 1/	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Value of Shipments (billion 1996 dollars)	165.43	154.15	152.27	156.98	160.41	162.81	164.70	167.51	170.46	174.72	179.92	184.57	188.44
Energy Consumption (trillion Btu)													
Residual Oil	147.0	145.5	135.3	135.3	135.7	135.5	134.4	134.1	133.8	133.9	134.3	134.3	134.3
Distillate Oil	9.4	9.5	9.3	9.3	9.5	9.5	9.5	9.5	9.6	9.6	9.7	9.7	9.7
Liquefied Petroleum Gas	5.5	5.2	5.4	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.7	5.7	5.8
Petroleum Subtotal	162.0	160.2	150.0	150.1	150.7	150.5	149.4	149.2	148.9	149.1	149.6	149.7	149.8
Natural Gas	535.2	516.4	529.8	536.2	541.4	545.1	548.4	551.6	554.5	558.6	562.6	566.5	568.6
Steam Coal	285.7	284.6	281.5	282.1	281.6	281.3	281.0	280.9	281.0	281.2	281.5	281.7	281.9
Renewables	1207.6	1131.0	1121.2	1159.2	1188.5	1210.4	1228.3	1253.2	1279.6	1315.6	1358.7	1398.4	1431.9
Purchased Electricity	235.5	206.6	197.3	201.8	202.3	201.2	199.2	198.9	198.7	200.2	203.6	206.1	207.6
Total	2425.9	2298.8	2279.8	2329.4	2364.4	2388.4	2406.3	2433.8	2462.7	2504.7	2556.1	2602.4	2639.8
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)													
Residual Oil	0.89	0.94	0.89	0.86	0.85	0.83	0.82	0.80	0.78	0.77	0.75	0.73	0.71
Distillate Oil	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05
Liquefied Petroleum Gas	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Petroleum Subtotal	0.98	1.04	0.98	0.96	0.94	0.92	0.91	0.89	0.87	0.85	0.83	0.81	0.80
Natural Gas	3.23	3.35	3.48	3.42	3.38	3.35	3.33	3.29	3.25	3.20	3.13	3.07	3.02
Steam Coal	1.73	1.85	1.85	1.80	1.76	1.73	1.71	1.68	1.65	1.61	1.56	1.53	1.50
Renewables	7.30	7.34	7.36	7.38	7.41	7.43	7.46	7.48	7.51	7.53	7.55	7.58	7.60
Purchased Electricity	1.42	1.34	1.30	1.29	1.26	1.24	1.21	1.19	1.17	1.15	1.13	1.12	1.10
Total	14.66	14.91	14.97	14.84	14.74	14.67	14.61	14.53	14.45	14.34	14.21	14.10	14.01
Carbon Dioxide Emissions 2/ (million metric tons carbon equivalent)	30.8	28.9	27.7	27.9	28.0	28.0	28.0	28.1	28.1	28.2	28.4	28.6	28.6
Combined Heat and Power 4/													
Generating Capacity (gigawatts)													
Petroleum	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
Natural Gas	2.05	2.14	2.27	2.38	2.50	2.62	2.73	2.84	2.95	3.05	3.14	3.22	3.30
Coal	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
Other 5/	4.49	4.49	4.49	4.73	4.91	5.04	5.15	5.31	5.47	5.69	5.96	6.20	6.41
Total	8.82	8.91	9.05	9.39	9.69	9.94	10.17	10.43	10.69	11.02	11.37	11.70	11.99
Net Generation (billion kilowatthours)													
Petroleum	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45
Natural Gas	8.88	9.58	10.59	11.39	12.31	13.21	14.06	14.88	15.66	16.44	17.11	17.75	18.33
Coal	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60
Other 5/	29.75	29.75	29.75	31.12	32.17	32.96	33.60	34.50	35.45	36.75	38.30	39.73	40.93
Total	49.68	50.38	51.39	53.56	55.52	57.22	58.72	60.43	62.16	64.23	66.46	68.52	70.31
Disposition													
Sales to the Grid	2.36	2.71	3.22	4.30	5.29	6.13	6.88	7.74	8.60	9.64	10.75	11.79	12.68
Generation for Own Use	47.31	47.67	48.17	49.25	50.24	51.08	51.83	52.69	53.55	54.59	55.70	56.74	57.63
Thermal Output (trillion Btu)	1059.3	974.9	966.3	989.2	1007.5	1021.7	1033.5	1049.1	1065.5	1087.2	1112.5	1135.9	1155.7
Energy Input (trillion Btu)													
Petroleum	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6
Natural Gas	304.8	310.6	318.9	325.5	333.0	340.4	347.3	354.0	360.3	366.6	372.1	377.3	382.0
Coal	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7
Other 5/	1238.6	1130.8	1117.1	1160.7	1194.4	1219.5	1240.2	1268.7	1299.1	1340.5	1390.0	1435.6	1474.1
Total	1929.7	1827.8	1822.4	1872.6	1913.7	1946.3	1973.9	2009.1	2045.7	2093.5	2148.5	2199.2	2242.4
Efficiency 6/	0.637	0.627	0.626	0.626	0.625	0.625	0.625	0.625	0.624	0.624	0.623	0.623	0.622

Table 26. Paper Industry Energy Consumption

Shipments and Energy Consumption 1/	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Power-to-Heat Ratio 7/	0.160	0.176	0.181	0.185	0.188	0.191	0.194	0.197	0.199	0.202	0.204	0.206	0.208

Table 26. Paper Industry Energy Consumption

Shipments and Energy Consumption 1/	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Value of Shipments (billion 1996 dollars)	191.96	195.58	198.58	201.26	204.21	207.44	210.84	213.67	216.27	219.45	222.56	225.93	229.06	1.7%
Energy Consumption (trillion Btu)														
Residual Oil	134.2	133.8	133.3	132.9	132.5	132.2	132.1	132.5	132.4	132.5	132.6	132.4	132.2	-0.4%
Distillate Oil	9.7	9.7	9.7	9.7	9.6	9.6	9.6	9.7	9.7	9.7	9.7	9.7	9.8	0.1%
Liquefied Petroleum Gas	5.8	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.1	6.1	6.2	6.3	0.7%
Petroleum Subtotal	149.7	149.3	148.8	148.4	148.1	147.7	147.7	148.1	148.1	148.3	148.4	148.3	148.3	-0.3%
Natural Gas	570.9	573.7	576.0	578.2	581.6	587.2	593.5	599.3	605.9	614.1	621.6	631.0	639.7	0.9%
Steam Coal	281.9	281.9	281.9	281.9	281.8	281.7	281.9	282.2	282.4	282.5	282.8	282.8	282.9	0.0%
Renewables	1463.0	1495.3	1523.2	1548.3	1575.5	1605.1	1636.1	1663.9	1690.7	1722.2	1753.4	1787.0	1819.0	2.0%
Purchased Electricity	208.4	209.5	209.6	209.3	209.3	209.5	209.9	209.7	209.3	209.3	209.4	209.5	209.8	0.1%
Total	2674.0	2709.7	2739.4	2766.0	2796.3	2831.2	2869.1	2903.3	2936.4	2976.4	3015.6	3058.8	3099.6	1.3%
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)														
Residual Oil	0.70	0.68	0.67	0.66	0.65	0.64	0.63	0.62	0.61	0.60	0.60	0.59	0.58	-2.0%
Distillate Oil	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	-1.5%
Liquefied Petroleum Gas	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-0.9%
Petroleum Subtotal	0.78	0.76	0.75	0.74	0.73	0.71	0.70	0.69	0.68	0.68	0.67	0.66	0.65	-2.0%
Natural Gas	2.97	2.93	2.90	2.87	2.85	2.83	2.81	2.80	2.80	2.80	2.79	2.79	2.79	-0.8%
Steam Coal	1.47	1.44	1.42	1.40	1.38	1.36	1.34	1.32	1.31	1.29	1.27	1.25	1.24	-1.7%
Renewables	7.62	7.65	7.67	7.69	7.72	7.74	7.76	7.79	7.82	7.85	7.88	7.91	7.94	0.3%
Purchased Electricity	1.09	1.07	1.06	1.04	1.02	1.01	1.00	0.98	0.97	0.95	0.94	0.93	0.92	-1.6%
Total	13.93	13.85	13.80	13.74	13.69	13.65	13.61	13.59	13.58	13.56	13.55	13.54	13.53	-0.4%
Carbon Dioxide Emissions 2/ (million metric tons carbon equivalent)	28.6	28.7	28.7	28.7	28.8	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.6	0.1%
Combined Heat and Power 4/														
Generating Capacity (gigawatts)														
Petroleum	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	N/A
Natural Gas	3.38	3.46	3.54	3.63	3.71	3.81	3.92	4.03	4.14	4.27	4.40	4.54	4.67	3.3%
Coal	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	N/A
Other 5/	6.60	6.80	6.97	7.13	7.29	7.48	7.67	7.84	8.00	8.20	8.39	8.60	8.79	2.8%
Total	12.26	12.54	12.79	13.03	13.29	13.57	13.86	14.15	14.43	14.75	15.07	15.42	15.75	2.4%
Net Generation (billion kilowatthours)														
Petroleum	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	N/A
Natural Gas	18.93	19.52	20.13	20.77	21.42	22.16	22.93	23.77	24.62	25.60	26.53	27.60	28.60	4.7%
Coal	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	N/A
Other 5/	42.05	43.22	44.22	45.12	46.10	47.17	48.28	49.28	50.25	51.38	52.51	53.72	54.87	2.6%
Total	72.03	73.79	75.40	76.94	78.57	80.38	82.27	84.10	85.92	88.03	90.09	92.37	94.51	2.7%
Disposition														
Sales to the Grid	13.54	14.42	15.22	15.99	16.81	17.71	18.66	19.58	20.48	21.54	22.57	23.71	24.78	9.7%
Generation for Own Use	58.49	59.37	60.17	60.95	61.76	62.66	63.61	64.53	65.44	66.49	67.52	68.66	69.73	1.6%
Thermal Output (trillion Btu)	1174.3	1193.5	1210.2	1225.5	1241.9	1259.9	1278.6	1295.7	1312.3	1331.7	1350.8	1371.5	1391.2	1.5%
Energy Input (trillion Btu)														
Petroleum	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	117.6	N/A
Natural Gas	386.9	391.6	396.5	401.6	406.8	412.8	418.9	425.6	432.3	440.0	447.3	455.7	463.5	1.7%
Coal	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7	268.7	N/A
Other 5/	1509.8	1547.0	1579.0	1607.8	1639.1	1673.1	1708.7	1740.6	1771.5	1807.7	1843.6	1882.1	1918.9	2.2%
Total	2283.1	2325.0	2361.8	2395.8	2432.3	2472.3	2514.0	2552.6	2590.1	2634.1	2677.2	2724.2	2768.8	1.7%
Efficiency 6/	0.622	0.622	0.621	0.621	0.621	0.621	0.620	0.620	0.620	0.620	0.619	0.619	0.619	-0.1%

Table 26. Paper Industry Energy Consumption

Shipments and Energy Consumption 1/	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Power-to-Heat Ratio 7/	0.209	0.211	0.213	0.214	0.216	0.218	0.220	0.221	0.223	0.226	0.228	0.230	0.232	1.1%

Table 26. Paper Industry Energy Consumption

1/ Fuel consumption includes consumption for combined heat and power.
2/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.
4/ Includes industrial-owned generators not classified as combined heat and power, such as standby generators.
5/ Includes wood and other biomass, waste heat, municipal solid waste, and renewable sources.
6/ Efficiency is calculated as the sum of the thermal output and electrical generation in Btus divided by the energy input.
7/ Power-to-Heat is calculated as the electrical generation in Btus divided by the thermal output.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2001 are model results and may differ slightly from official EIA data reports.
Source: 2001 nonutility and CHP summer capacity, net generation, fuel use, and thermal output: Energy Information Administration (EIA), Form EIA-860: "Annual Electric Generator Report" (preliminary). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 27. Bulk Chemical Industry Energy Consumption

Shipments and Energy Consumption 1/	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Value of Shipments (billion 1996 dollars)	205.23	192.57	190.76	196.63	199.41	199.69	202.93	208.10	213.75	220.40	227.98	235.30	241.64
Energy Consumption (trillion Btu)													
Heat and Power													
Residual Oil	38.5	37.1	28.3	29.3	30.1	30.0	29.8	30.6	31.5	32.7	34.2	35.5	36.6
Distillate Oil	1.6	1.8	1.6	1.6	1.9	1.9	1.9	2.0	2.0	2.1	2.2	2.2	2.3
Liquefied Petroleum Gas	39.2	37.6	41.0	44.4	38.7	38.1	39.1	39.6	41.1	43.2	45.1	47.1	49.2
Other Petroleum 2/	701.2	635.4	588.5	612.0	615.1	608.0	611.1	625.3	641.6	662.1	688.2	711.6	731.8
Petroleum Subtotal	780.4	711.9	659.4	687.4	685.8	678.0	682.0	697.5	716.2	740.0	769.8	796.3	820.0
Natural Gas	1772.7	1676.6	1712.6	1743.1	1768.6	1773.6	1798.2	1831.1	1864.5	1903.7	1942.9	1983.5	2015.5
Steam Coal	184.5	181.7	180.1	180.7	180.7	180.2	180.2	180.5	180.9	181.4	182.1	182.7	183.1
Purchased Electricity	487.1	447.4	431.6	446.2	448.0	443.2	446.2	454.8	465.2	477.5	494.2	509.0	521.5
Total Heat and Power	3224.7	3017.6	2983.6	3057.6	3083.1	3074.9	3106.6	3164.0	3226.8	3302.7	3389.0	3471.6	3540.0
Feedstock													
Liquefied Petroleum Gas	1802.5	1688.2	1670.6	1718.7	1738.0	1736.6	1760.0	1799.4	1842.7	1894.3	1953.5	2010.5	2059.4
Petrochemical Feedstocks	1453.8	1363.0	1348.4	1386.8	1402.2	1401.2	1420.0	1451.7	1486.6	1528.3	1576.1	1622.0	1661.5
Natural Gas	750.2	702.6	695.1	715.0	723.0	722.5	732.2	748.7	766.7	788.1	812.7	836.3	856.7
Total Feedstocks	4006.5	3753.8	3714.1	3820.5	3863.2	3860.3	3912.2	3999.8	4096.1	4210.8	4342.3	4468.8	4577.6
Total	7231.2	6771.3	6697.8	6878.1	6946.3	6935.2	7018.8	7163.8	7322.8	7513.5	7731.3	7940.4	8117.7
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)													
Heat and Power													
Residual Oil	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2
Distillate Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liquefied Petroleum Gas	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Other Petroleum	3.4	3.3	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Petroleum Subtotal	3.8	3.7	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Natural Gas	8.6	8.7	9.0	8.9	8.9	8.9	8.9	8.8	8.7	8.6	8.5	8.4	8.3
Steam Coal	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8
Purchased Electricity	2.4	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Total Heat and Power	15.7	15.7	15.6	15.5	15.5	15.4	15.3	15.2	15.1	15.0	14.9	14.8	14.6
Feedstock													
Liquefied Petroleum Gas	8.8	8.8	8.8	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.6	8.5	8.5
Petrochemical Feedstocks	7.1	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.9	6.9
Natural Gas	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5
Total Feedstocks	19.5	19.5	19.5	19.4	19.4	19.3	19.3	19.2	19.2	19.1	19.0	19.0	18.9
Total	35.2	35.2	35.1	35.0	34.8	34.7	34.6	34.4	34.3	34.1	33.9	33.7	33.6
Carbon Dioxide Emissions 3/ (million metric tons carbon equivalent)	89.9	83.6	81.0	82.8	83.5	83.2	84.2	85.9	87.7	89.8	92.3	94.6	96.5
Combined Heat and Power 4/													
Generating Capacity (gigawatts)													
Petroleum	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Natural Gas	6.96	7.04	7.24	7.39	7.59	7.79	8.00	8.22	8.43	8.65	8.82	8.99	9.14
Coal	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
Other 5/	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
Total	8.12	8.19	8.39	8.54	8.74	8.95	9.16	9.37	9.58	9.81	9.97	10.14	10.29
Net Generation (billion kilowatthours)													
Petroleum	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Natural Gas	43.70	44.26	45.77	46.88	48.35	49.88	51.44	53.07	54.59	56.28	57.51	58.79	59.85

Table 27. Bulk Chemical Industry Energy Consumption

Shipments and Energy Consumption 1/	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Coal	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07
Other 5/	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33
Total	53.36	53.91	55.42	56.53	58.00	59.54	61.09	62.72	64.25	65.93	67.17	68.44	69.50
Disposition													
Sales to the Grid	8.93	9.21	9.97	10.52	11.26	12.02	12.80	13.61	14.38	15.22	15.84	16.47	17.00
Generation for Own Use	44.42	44.70	45.46	46.01	46.75	47.51	48.29	49.11	49.87	50.71	51.33	51.97	52.50
Thermal Output (trillion Btu)	331.5	333.3	337.3	340.3	344.2	348.2	352.3	356.5	360.4	364.7	367.8	371.0	373.7
Energy Input (trillion Btu)													
Petroleum	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
Natural Gas	601.4	606.4	619.3	628.8	641.3	654.3	667.5	681.3	694.2	708.3	718.7	729.4	738.3
Coal	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6
Other 5/	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1
Total	851.0	856.0	868.9	878.4	890.9	903.9	917.1	930.9	943.8	958.0	968.3	979.0	987.9
Efficiency 6/	0.604	0.604	0.606	0.607	0.608	0.610	0.611	0.613	0.614	0.615	0.616	0.617	0.618
Power-to-Heat Ratio 7/	0.549	0.552	0.561	0.567	0.575	0.583	0.592	0.600	0.608	0.617	0.623	0.629	0.635

Table 27. Bulk Chemical Industry Energy Consumption

Shipments and Energy Consumption 1/	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Value of Shipments (billion 1996 dollars)	246.09	250.48	254.04	257.26	261.67	266.08	270.97	274.90	279.16	283.73	287.86	292.63	296.81	1.8%
Energy Consumption (trillion Btu)														
Heat and Power														
Residual Oil	37.4	37.8	38.0	38.3	38.7	38.9	39.6	40.5	41.1	41.8	42.4	42.7	43.0	0.6%
Distillate Oil	2.3	2.2	2.2	2.3	2.2	2.1	2.1	2.2	2.1	2.1	2.1	2.2	2.2	0.7%
Liquefied Petroleum Gas	50.7	51.1	51.4	52.0	52.7	52.7	53.6	55.9	57.2	58.5	59.7	59.9	60.0	2.0%
Other Petroleum 2/	743.6	754.0	760.9	766.8	777.0	788.2	802.7	815.4	827.9	841.3	853.4	866.1	876.9	1.4%
Petroleum Subtotal	834.0	845.1	852.5	859.4	870.5	882.0	898.0	914.0	928.3	943.6	957.6	970.9	982.2	1.4%
Natural Gas	2038.3	2063.3	2084.5	2103.6	2133.0	2167.4	2202.7	2228.9	2260.6	2296.1	2327.9	2369.4	2406.1	1.5%
Steam Coal	183.3	183.4	183.5	183.5	183.6	183.8	184.0	184.1	184.2	184.3	184.4	184.6	184.7	0.1%
Purchased Electricity	528.0	534.4	538.2	541.2	547.0	552.1	558.6	562.7	567.4	572.2	576.3	580.6	584.6	1.1%
Total Heat and Power	3583.5	3626.1	3658.7	3687.6	3734.1	3785.3	3843.2	3889.7	3940.5	3996.2	4046.2	4105.5	4157.5	1.3%
Feedstock														
Liquefied Petroleum Gas	2092.7	2125.6	2151.7	2175.0	2208.5	2243.3	2282.1	2313.1	2346.7	2383.0	2415.6	2453.5	2486.6	1.6%
Petrochemical Feedstocks	1688.5	1715.0	1736.2	1755.0	1781.8	1808.7	1838.9	1862.9	1889.8	1918.6	1944.5	1974.6	2000.6	1.6%
Natural Gas	870.4	884.0	894.8	904.5	918.9	933.3	949.4	962.3	976.3	991.4	1005.0	1020.7	1034.5	1.6%
Total Feedstocks	4651.6	4724.6	4782.7	4834.5	4909.2	4985.4	5070.5	5138.4	5212.8	5292.9	5365.0	5448.8	5521.7	1.6%
Total	8235.2	8350.7	8441.4	8522.2	8643.3	8770.6	8913.8	9028.0	9153.3	9289.1	9411.3	9554.2	9679.2	1.5%
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)														
Heat and Power														
Residual Oil	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-1.2%
Distillate Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.1%
Liquefied Petroleum Gas	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2%
Other Petroleum	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	-0.5%
Petroleum Subtotal	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	-0.5%
Natural Gas	8.3	8.2	8.2	8.2	8.2	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	-0.3%
Steam Coal	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	-1.7%
Purchased Electricity	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	-0.7%
Total Heat and Power	14.6	14.5	14.4	14.3	14.3	14.2	14.2	14.1	14.1	14.1	14.1	14.0	14.0	-0.5%
Feedstock														
Liquefied Petroleum Gas	8.5	8.5	8.5	8.5	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	-0.2%
Petrochemical Feedstocks	6.9	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.7	-0.2%
Natural Gas	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	-0.2%
Total Feedstocks	18.9	18.9	18.8	18.8	18.8	18.7	18.7	18.7	18.7	18.7	18.6	18.6	18.6	-0.2%
Total	33.5	33.3	33.2	33.1	33.0	33.0	32.9	32.8	32.8	32.7	32.7	32.6	32.6	-0.3%
Carbon Dioxide Emissions 3/ (million metric tons carbon equivalent)	97.7	98.8	99.8	100.5	101.8	103.1	104.6	105.7	107.0	108.4	109.6	111.1	112.4	1.2%
Combined Heat and Power 4/														
Generating Capacity (gigawatts)														
Petroleum	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Natural Gas	9.29	9.43	9.59	9.75	9.92	10.12	10.33	10.55	10.77	11.02	11.27	11.56	11.84	2.2%
Coal	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	N/A
Other 5/	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	N/A
Total	10.44	10.59	10.74	10.91	11.08	11.27	11.48	11.70	11.92	12.18	12.42	12.72	12.99	1.9%
Net Generation (billion kilowatthours)														
Petroleum	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	N/A
Natural Gas	60.97	62.05	63.20	64.40	65.65	67.10	68.63	70.24	71.88	73.75	75.55	77.71	79.72	2.5%

Table 27. Bulk Chemical Industry Energy Consumption

Shipments and Energy Consumption 1/	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Coal	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	3.07	N/A
Other 5/	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	N/A
Total	70.62	71.70	72.85	74.05	75.30	76.75	78.28	79.89	81.53	83.40	85.20	87.36	89.37	2.1%
Disposition														
Sales to the Grid	17.56	18.10	18.68	19.28	19.91	20.63	21.39	22.20	23.02	23.96	24.85	25.93	26.94	4.6%
Generation for Own Use	53.06	53.60	54.17	54.77	55.40	56.12	56.89	57.69	58.51	59.45	60.35	61.43	62.43	1.4%
Thermal Output (trillion Btu)	376.5	379.2	382.1	385.0	388.0	391.4	395.0	398.8	402.5	406.8	410.8	415.6	419.9	1.0%
Energy Input (trillion Btu)														
Petroleum	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	N/A
Natural Gas	747.7	756.7	766.3	776.2	786.6	798.5	811.0	824.2	837.5	852.7	867.2	884.6	900.6	1.7%
Coal	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	104.6	N/A
Other 5/	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	138.1	N/A
Total	997.3	1006.3	1015.9	1025.8	1036.2	1048.1	1060.6	1073.8	1087.1	1102.3	1116.8	1134.2	1150.2	1.2%
Efficiency 6/	0.619	0.620	0.621	0.622	0.622	0.623	0.624	0.625	0.626	0.627	0.628	0.629	0.630	0.2%
Power-to-Heat Ratio 7/	0.640	0.645	0.651	0.656	0.662	0.669	0.676	0.684	0.691	0.700	0.708	0.717	0.726	1.1%

Table 27. Bulk Chemical Industry Energy Consumption

1/ Fuel consumption includes consumption for combined heat and power.
2/ Includes petroleum coke, lubricants, and miscellaneous petroleum products.
3/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.
4/ Includes industrial-owned generators not classified as combined heat and power, such as standby generators.
5/ Includes wood and other biomass, waste heat, municipal solid waste, and renewable sources.
6/ Efficiency is calculated as the sum of the thermal output and electrical generation in Btus divided by the energy input.
7/ Power-to-Heat is calculated as the electrical generation in Btus divided by the thermal output.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2001 are model results and may differ slightly from official EIA data reports.
Source: 2001 nonutility and CHP summer capacity, net generation, fuel use, and thermal output: Energy Information Administration (EIA), Form EIA-860: "Annual Electric Generator Report" (preliminary). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 28. Glass Industry Energy Consumption

Shipments and Energy Consumption 1/	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Value of Shipments (billion 1996 dollars)	27.42	24.13	22.38	22.56	23.40	24.35	25.37	26.36	27.22	28.26	29.33	30.56	31.26
Energy Consumption (trillion Btu)													
Residual Oil	9.2	9.1	8.0	7.9	8.1	8.3	8.3	8.3	8.4	8.5	8.6	8.6	8.6
Distillate Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liquefied Petroleum Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petroleum Subtotal	9.2	9.1	8.0	7.9	8.1	8.3	8.3	8.3	8.4	8.5	8.6	8.6	8.6
Natural Gas	164.1	142.5	132.5	132.1	135.7	139.7	143.9	147.2	149.3	152.1	154.8	158.2	159.4
Steam Coal	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Purchased Electricity	45.1	39.6	36.2	36.5	37.6	38.9	40.3	41.6	42.7	44.0	45.3	46.9	47.7
Total	223.1	195.9	181.4	181.3	186.1	191.7	197.2	201.8	205.1	209.2	213.4	218.5	220.4
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)													
Residual Oil	0.33	0.38	0.36	0.35	0.35	0.34	0.33	0.32	0.31	0.30	0.29	0.28	0.28
Distillate Oil	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
Liquefied Petroleum Gas	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
Petroleum Subtotal	0.33	0.38	0.36	0.35	0.35	0.34	0.33	0.32	0.31	0.30	0.29	0.28	0.28
Natural Gas	5.98	5.91	5.92	5.86	5.80	5.74	5.67	5.58	5.48	5.38	5.28	5.18	5.10
Steam Coal	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Purchased Electricity	1.64	1.64	1.62	1.62	1.61	1.60	1.59	1.58	1.57	1.56	1.55	1.54	1.53
Total	8.14	8.12	8.11	8.03	7.95	7.87	7.78	7.66	7.54	7.40	7.28	7.15	7.05
Carbon Dioxide Emissions 2/ (million metric tons carbon equivalent)	5.1	4.4	4.0	4.0	4.1	4.2	4.4	4.5	4.6	4.7	4.8	4.9	4.9
Combined Heat and Power 4/													
Generating Capacity (gigawatts)													
Petroleum	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Natural Gas	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
Coal	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
Other 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
Total	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Net Generation (billion kilowatthours)													
Petroleum	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Natural Gas	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Coal	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
Other 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
Total	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Disposition													
Sales to the Grid	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Generation for own use	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Thermal Output (trillion Btu)	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
Energy Input (trillion Btu)													
Petroleum	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
Natural Gas	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Coal	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Other 5/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
Efficiency 6/	0.682	0.682	0.682	0.682	0.682	0.682	0.682	0.682	0.682	0.682	0.682	0.682	0.682
Power-to-Heat Ratio 7/	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147

Table 28. Glass Industry Energy Consumption

Shipments and Energy Consumption 1/	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Value of Shipments (billion 1996 dollars)	31.76	32.41	33.00	33.53	34.06	34.65	35.51	36.30	37.05	38.01	38.90	40.00	40.90	2.2%
Energy Consumption (trillion Btu)														
Residual Oil	8.6	8.7	8.7	8.7	8.7	8.8	8.8	8.8	8.8	8.9	9.0	9.1	9.2	0.1%
Distillate Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Liquefied Petroleum Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Petroleum Subtotal	8.6	8.7	8.7	8.7	8.7	8.8	8.8	8.8	8.8	8.9	9.0	9.1	9.2	0.1%
Natural Gas	159.7	160.5	161.0	161.5	162.7	164.4	167.0	169.5	172.0	175.2	178.1	181.7	184.7	1.1%
Steam Coal	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	N/A
Purchased Electricity	48.2	48.9	49.4	49.9	50.4	50.9	51.9	52.8	53.6	54.6	55.6	56.8	57.9	1.6%
Total	221.2	222.7	223.9	224.9	226.6	228.8	232.5	235.9	239.1	243.4	247.4	252.4	256.5	1.1%
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)														
Residual Oil	0.27	0.27	0.26	0.26	0.26	0.25	0.25	0.24	0.24	0.23	0.23	0.23	0.23	-2.1%
Distillate Oil	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
Liquefied Petroleum Gas	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
Petroleum Subtotal	0.27	0.27	0.26	0.26	0.26	0.25	0.25	0.24	0.24	0.23	0.23	0.23	0.23	-2.1%
Natural Gas	5.03	4.95	4.88	4.82	4.78	4.75	4.70	4.67	4.64	4.61	4.58	4.54	4.51	-1.1%
Steam Coal	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-2.2%
Purchased Electricity	1.52	1.51	1.50	1.49	1.48	1.47	1.46	1.45	1.45	1.44	1.43	1.42	1.42	-0.6%
Total	6.96	6.87	6.79	6.71	6.65	6.60	6.55	6.50	6.45	6.41	6.36	6.31	6.27	-1.1%
Carbon Dioxide Emissions 2/ (million metric tons carbon equivalent)	4.9	5.0	5.0	5.0	5.1	5.1	5.2	5.3	5.4	5.5	5.5	5.7	5.8	1.1%
Combined Heat and Power 4/														
Generating Capacity (gigawatts)														
Petroleum	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Natural Gas	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
Coal	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	N/A
Other 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
Total	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	N/A
Net Generation (billion kilowatthours)														
Petroleum	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	N/A
Natural Gas	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Coal	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	N/A
Other 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
Total	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	N/A
Disposition														
Sales to the Grid	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	N/A
Generation for own use	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	N/A
Thermal Output (trillion Btu)	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	N/A
Energy Input (trillion Btu)														
Petroleum	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	N/A
Natural Gas	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	N/A
Coal	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	N/A
Other 5/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	N/A
Efficiency 6/	0.682	0.682	0.682	0.682	0.682	0.682	0.682	0.682	0.682	0.682	0.682	0.682	0.682	N/A
Power-to-Heat Ratio 7/	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	0.147	N/A

Table 28. Glass Industry Energy Consumption

1/ Fuel consumption includes consumption for combined heat and power.
2/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.
4/ Includes industrial-owned generators not classified as combined heat and power, such as standby generators.
5/ Includes wood and other biomass, waste heat, municipal solid waste, and renewable sources.
6/ Efficiency is calculated as the sum of the thermal output and electrical generation in Btus divided by the energy input.
7/ Power-to-Heat is calculated as the electrical generation in Btus divided by the thermal output.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2001 are model results and may differ slightly from official EIA data reports.
Source: 2001 nonutility and CHP summer capacity, net generation, fuel use, and thermal output: Energy Information Administration (EIA), Form EIA-860: "Annual Electric Generator Report" (preliminary). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 29. Cement Industry Energy Consumption

Shipments and Energy Consumption 1/	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Value of Shipments (billion 1996 dollars)	6.33	6.03	5.70	5.74	6.09	6.19	6.18	6.42	6.69	6.81	7.03	7.16	7.34
Energy Consumption (trillion Btu)													
Residual Oil	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Distillate Oil	1.6	1.6	1.6	1.6	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9
Other Petroleum 2/	54.5	51.7	48.8	48.5	50.7	50.9	50.3	51.4	52.7	53.0	53.9	54.3	54.9
Petroleum Subtotal	57.9	55.2	52.2	52.0	54.3	54.5	54.0	55.1	56.4	56.7	57.7	58.1	58.7
Natural Gas	15.6	14.2	18.9	17.5	18.6	18.6	18.6	18.6	18.3	17.9	17.4	17.3	17.1
Steam Coal	235.8	225.0	207.4	208.7	217.9	219.4	217.5	223.1	229.9	232.5	237.8	240.5	244.2
Purchased Electricity	39.2	37.0	34.9	34.9	36.8	37.1	36.8	37.9	39.1	39.4	40.4	40.9	41.5
Total	348.6	331.5	313.5	313.0	327.6	329.7	326.9	334.8	343.7	346.5	353.2	356.7	361.5
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)													
Residual Oil	0.29	0.31	0.33	0.32	0.31	0.30	0.30	0.29	0.28	0.27	0.26	0.26	0.25
Distillate Oil	0.25	0.27	0.28	0.27	0.28	0.29	0.29	0.28	0.28	0.27	0.27	0.26	0.26
Other Petroleum 2/	8.61	8.58	8.55	8.46	8.33	8.22	8.15	8.01	7.88	7.78	7.67	7.58	7.49
Petroleum Subtotal	9.15	9.16	9.16	9.05	8.92	8.81	8.73	8.58	8.43	8.33	8.20	8.10	8.00
Natural Gas	2.47	2.36	3.32	3.04	3.05	3.01	3.02	2.90	2.74	2.62	2.48	2.41	2.34
Steam Coal	37.25	37.33	36.36	36.37	35.80	35.45	35.19	34.75	34.37	34.14	33.84	33.56	33.28
Purchased Electricity	6.19	6.14	6.11	6.08	6.04	6.00	5.96	5.90	5.84	5.79	5.74	5.70	5.66
Total	55.07	54.99	54.95	54.55	53.82	53.26	52.90	52.14	51.39	50.88	50.27	49.78	49.27
Carbon Dioxide Emissions 3/ (million metric tons carbon equivalent)	9.5	9.0	8.3	8.3	8.7	8.8	8.7	8.9	9.2	9.2	9.4	9.5	9.6
Combined Heat and Power 4/													
Generating Capacity (gigawatts)													
Petroleum	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
Natural Gas	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
Coal	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
Other 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
Total	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Net Generation (billion kilowatthours)													
Petroleum	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Natural Gas	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
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
Other 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
Total	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
Disposition													
Sales to the Grid	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
Generation for Own Use	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
Thermal Output (trillion Btu)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Energy Input (trillion Btu)													
Petroleum	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Natural Gas	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Coal	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
Other 5/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
Efficiency 6/	0.710	0.710	0.710	0.710	0.710	0.710	0.710	0.710	0.710	0.710	0.710	0.710	0.710
Power-to-Heat Ratio 7/	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123

Table 29. Cement Industry Energy Consumption

Shipments and Energy Consumption 1/	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Value of Shipments (billion 1996 dollars)	7.49	7.62	7.72	7.78	7.85	7.90	8.01	8.04	8.16	8.17	8.25	8.27	8.30	1.3%
Energy Consumption (trillion Btu)														
Residual Oil	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	N/A
Distillate Oil	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.4%
Other Petroleum 2/	55.4	55.8	56.0	55.9	55.9	55.9	56.4	56.5	57.0	57.0	57.3	57.3	57.3	0.4%
Petroleum Subtotal	59.2	59.5	59.7	59.6	59.6	59.6	60.1	60.1	60.7	60.6	60.9	60.9	60.9	0.4%
Natural Gas	17.2	16.9	16.8	16.5	16.5	16.7	16.7	16.3	16.5	16.2	16.0	15.5	15.2	0.3%
Steam Coal	247.1	249.9	251.4	252.1	252.7	252.9	254.9	255.0	257.0	256.5	257.9	257.9	257.8	0.6%
Purchased Electricity	42.0	42.5	42.7	42.8	42.9	42.9	43.3	43.1	43.5	43.4	43.5	43.4	43.4	0.7%
Total	365.5	368.8	370.6	371.0	371.7	372.1	375.0	374.5	377.7	376.7	378.4	377.8	377.4	0.5%
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)														
Residual Oil	0.25	0.24	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.22	0.22	-1.3%
Distillate Oil	0.25	0.25	0.24	0.24	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	-1.0%
Other Petroleum 2/	7.40	7.32	7.25	7.18	7.13	7.08	7.04	7.02	6.99	6.97	6.94	6.92	6.90	-0.9%
Petroleum Subtotal	7.90	7.81	7.73	7.66	7.60	7.54	7.50	7.48	7.44	7.42	7.39	7.36	7.34	-0.9%
Natural Gas	2.29	2.22	2.17	2.12	2.11	2.11	2.09	2.02	2.02	1.99	1.94	1.88	1.84	-1.0%
Steam Coal	33.00	32.78	32.56	32.39	32.21	32.02	31.81	31.72	31.50	31.40	31.26	31.17	31.06	-0.8%
Purchased Electricity	5.61	5.57	5.54	5.50	5.47	5.43	5.40	5.37	5.33	5.31	5.28	5.25	5.23	-0.7%
Total	48.81	48.37	48.00	47.68	47.38	47.11	46.80	46.59	46.30	46.11	45.86	45.67	45.47	-0.8%
Carbon Dioxide Emissions 3/ (million metric tons carbon equivalent)	9.8	9.8	9.9	9.9	9.9	9.9	10.0	10.0	10.1	10.0	10.1	10.1	10.1	0.5%
Combined Heat and Power 4/														
Generating Capacity (gigawatts)														
Petroleum	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
Natural Gas	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	N/A
Coal	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	N/A
Other 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
Total	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	N/A
Net Generation (billion kilowatthours)														
Petroleum	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	N/A
Natural Gas	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	N/A
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	N/A
Other 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
Total	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	N/A
Disposition														
Sales to the Grid	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
Generation for Own Use	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	N/A
Thermal Output (trillion Btu)	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	N/A
Energy Input (trillion Btu)														
Petroleum	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	N/A
Natural Gas	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	N/A
Coal	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	N/A
Other 5/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	N/A
Efficiency 6/	0.710	0.710	0.710	0.710	0.710	0.710	0.710	0.710	0.710	0.710	0.710	0.710	0.710	N/A
Power-to-Heat Ratio 7/	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	0.123	N/A

Table 29. Cement Industry Energy Consumption

1/ Fuel consumption includes consumption for combined heat and power.
2/ Includes petroleum coke, lubricants, and miscellaneous petroleum products.
3/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.
4/ Includes industrial-owned generators not classified as combined heat and power, such as standby generators.
5/ Includes wood and other biomass, waste heat, municipal solid waste, and renewable sources.
6/ Efficiency is calculated as the sum of the thermal output and electrical generation in Btus divided by the energy input.
7/ Power-to-Heat is calculated as the electrical generation in Btus divided by the thermal output.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2001 are model results and may differ slightly from official EIA data reports.
Source: 2001 nonutility and CHP summer capacity, net generation, fuel use, and thermal output: Energy Information Administration (EIA), Form EIA-860: "Annual Electric Generator Report" (preliminary). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 30. Iron and Steel Industries Energy Consumption

Shipments and Energy Consumption 1/	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Value of Shipments (billion 1996 dollars)	75.45	67.48	66.04	69.59	71.41	72.19	73.90	76.01	77.62	79.77	82.31	84.78	86.31
Energy Consumption (trillion Btu)													
Distillate Oil	5.0	4.6	4.4	4.6	4.7	4.7	4.8	4.8	4.9	4.9	5.0	5.0	5.1
Residual Oil	29.9	28.8	18.5	18.7	20.7	21.1	20.7	21.1	21.4	22.0	22.8	23.3	23.7
Other Petroleum 2/	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0	7.0
Petroleum Subtotal	43.0	41.3	30.8	31.0	33.1	33.4	33.0	33.3	33.6	34.1	34.9	35.4	35.7
Natural Gas	412.3	364.0	380.0	389.7	394.8	395.0	399.9	403.9	405.0	407.9	411.4	416.1	416.4
Metallurgical Coal	713.6	700.6	687.8	675.3	662.9	650.8	639.0	627.3	615.8	604.6	593.6	582.7	572.1
Net Coke Imports	62.0	25.1	20.1	38.7	49.2	54.9	64.9	77.0	86.6	98.8	113.0	126.7	136.1
Steam Coal	96.7	92.6	76.3	82.3	80.4	79.4	79.1	80.9	83.1	85.7	89.2	91.7	94.0
Coal Subtotal	872.3	818.4	784.2	796.3	792.6	785.1	783.0	785.2	785.5	789.1	795.7	801.1	802.2
Purchased Electricity	165.2	143.6	137.9	147.9	151.7	153.0	156.5	161.3	164.8	169.6	175.7	181.4	184.8
Total	1492.9	1367.3	1332.9	1364.8	1372.1	1366.5	1372.5	1383.8	1388.9	1400.8	1417.7	1433.9	1439.1
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)													
Distillate Oil	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Residual Oil	0.40	0.43	0.28	0.27	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.27
Other Petroleum 2/	0.11	0.12	0.12	0.11	0.11	0.10	0.10	0.10	0.09	0.09	0.09	0.08	0.08
Petroleum Subtotal	0.57	0.61	0.47	0.45	0.46	0.46	0.45	0.44	0.43	0.43	0.42	0.42	0.41
Natural Gas	5.47	5.39	5.75	5.60	5.53	5.47	5.41	5.31	5.22	5.11	5.00	4.91	4.82
Metallurgical Coal	9.46	10.38	10.41	9.70	9.28	9.02	8.65	8.25	7.93	7.58	7.21	6.87	6.63
Net Coke Imports	0.82	0.37	0.30	0.56	0.69	0.76	0.88	1.01	1.12	1.24	1.37	1.49	1.58
Steam Coal	1.28	1.37	1.15	1.18	1.13	1.10	1.07	1.06	1.07	1.07	1.08	1.08	1.09
Coal Subtotal	11.56	12.13	11.87	11.44	11.10	10.88	10.60	10.33	10.12	9.89	9.67	9.45	9.29
Purchased Electricity	2.19	2.13	2.09	2.12	2.12	2.12	2.12	2.12	2.12	2.13	2.13	2.14	2.14
Total	19.79	20.26	20.18	19.61	19.21	18.93	18.57	18.21	17.89	17.56	17.22	16.91	16.67
Carbon Dioxide Emissions 3/ (million metric tons carbon equivalent)	37.7	34.4	32.8	33.7	33.9	33.8	34.0	34.4	34.6	34.9	35.4	35.9	36.1
Combined Heat and Power 4/													
Generating Capacity (gigawatts)													
Petroleum	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Natural Gas	0.24	0.24	0.25	0.26	0.27	0.28	0.29	0.31	0.32	0.33	0.34	0.35	0.36
Coal	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Other 5/	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
Total	1.80	1.81	1.82	1.82	1.84	1.85	1.86	1.87	1.88	1.90	1.91	1.91	1.92
Net Generation (billion kilowatthours)													
Petroleum	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Natural Gas	0.76	0.79	0.87	0.93	1.02	1.11	1.20	1.29	1.38	1.46	1.54	1.61	1.67
Coal	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04
Other 5/	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
Total	7.23	7.26	7.34	7.40	7.49	7.58	7.67	7.76	7.85	7.93	8.01	8.08	8.14
Disposition													
Sales to the Grid	0.72	0.72	0.73	0.74	0.74	0.75	0.76	0.77	0.78	0.79	0.80	0.80	0.81
Generation for Own Use	6.51	6.54	6.61	6.67	6.74	6.83	6.91	6.99	7.07	7.15	7.21	7.27	7.33
Thermal Output (trillion Btu)	75.8	75.9	76.1	76.3	76.5	76.7	76.9	77.1	77.3	77.6	77.7	77.9	78.0
Energy Input (trillion Btu)													
Petroleum	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Natural Gas	22.6	22.9	23.5	24.1	24.8	25.5	26.3	27.0	27.7	28.5	29.1	29.6	30.2

Table 30. Iron and Steel Industries Energy Consumption

Shipments and Energy Consumption 1/	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Coal	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
Other 5/	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3
Total	170.7	171.0	171.6	172.2	172.9	173.6	174.4	175.1	175.8	176.6	177.2	177.7	178.3
Efficiency 6/	0.589	0.589	0.589	0.590	0.590	0.591	0.591	0.592	0.592	0.593	0.593	0.593	0.594
Power-to-Heat Ratio 7/	0.325	0.326	0.329	0.331	0.334	0.337	0.340	0.343	0.346	0.349	0.351	0.354	0.356

Table 30. Iron and Steel Industries Energy Consumption

Shipments and Energy Consumption 1/	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Value of Shipments (billion 1996 dollars)	87.17	88.02	87.85	87.46	87.74	88.16	88.74	88.30	88.28	88.84	89.20	89.88	90.22	1.2%
Energy Consumption (trillion Btu)														
Distillate Oil	5.0	5.0	4.9	4.9	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	0.1%
Residual Oil	23.8	23.9	23.6	23.3	22.9	22.6	22.4	22.4	22.1	22.0	22.0	22.1	22.1	-1.1%
Other Petroleum 2/	6.9	6.8	6.7	6.6	6.5	6.5	6.4	6.3	6.2	6.2	6.1	6.0	5.9	-1.2%
Petroleum Subtotal	35.7	35.6	35.2	34.7	34.3	33.8	33.6	33.5	33.0	32.8	32.8	32.9	32.7	-1.0%
Natural Gas	415.0	413.8	409.3	404.1	403.1	404.3	404.8	399.6	398.5	399.3	397.9	398.5	397.8	0.4%
Metallurgical Coal	561.7	551.4	541.3	531.5	521.8	512.2	502.9	493.7	484.7	475.9	467.2	458.7	450.3	-1.8%
Net Coke Imports	142.4	148.3	149.4	149.5	152.7	156.8	161.6	161.5	163.6	168.3	172.2	177.5	181.2	8.6%
Steam Coal	95.1	96.2	96.2	96.5	96.5	96.0	96.6	98.1	98.1	98.9	100.4	101.8	102.8	0.4%
Coal Subtotal	799.2	795.9	787.0	777.4	771.0	765.0	761.0	753.4	746.4	743.1	739.7	738.0	734.4	-0.5%
Purchased Electricity	186.5	188.2	187.5	186.2	186.5	187.1	188.2	186.9	186.7	187.6	188.4	189.7	190.5	1.2%
Total	1436.4	1433.6	1418.9	1402.4	1395.0	1390.2	1387.6	1373.4	1364.6	1362.8	1358.8	1359.0	1355.4	0.0%
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)														
Distillate Oil	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	-1.1%
Residual Oil	0.27	0.27	0.27	0.27	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.24	-2.3%
Other Petroleum 2/	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	-2.4%
Petroleum Subtotal	0.41	0.40	0.40	0.40	0.39	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.36	-2.2%
Natural Gas	4.76	4.70	4.66	4.62	4.59	4.59	4.56	4.53	4.51	4.49	4.46	4.43	4.41	-0.8%
Metallurgical Coal	6.44	6.26	6.16	6.08	5.95	5.81	5.67	5.59	5.49	5.36	5.24	5.10	4.99	-3.0%
Net Coke Imports	1.63	1.68	1.70	1.71	1.74	1.78	1.82	1.83	1.85	1.89	1.93	1.97	2.01	7.3%
Steam Coal	1.09	1.09	1.10	1.10	1.10	1.09	1.09	1.11	1.11	1.11	1.13	1.13	1.14	-0.8%
Coal Subtotal	9.17	9.04	8.96	8.89	8.79	8.68	8.58	8.53	8.45	8.36	8.29	8.21	8.14	-1.6%
Purchased Electricity	2.14	2.14	2.13	2.13	2.13	2.12	2.12	2.12	2.11	2.11	2.11	2.11	2.11	0.0%
Total	16.48	16.29	16.15	16.03	15.90	15.77	15.64	15.55	15.46	15.34	15.23	15.12	15.02	-1.2%
Carbon Dioxide Emissions 3/ (million metric tons carbon equivalent)	36.0	36.0	35.6	35.2	35.1	34.9	34.9	34.5	34.3	34.3	34.2	34.2	34.2	0.0%
Combined Heat and Power 4/														
Generating Capacity (gigawatts)														
Petroleum	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	N/A
Natural Gas	0.37	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.46	0.47	0.48	0.49	3.0%
Coal	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	N/A
Other 5/	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	N/A
Total	1.93	1.94	1.95	1.96	1.97	1.98	1.99	2.00	2.01	2.02	2.03	2.05	2.06	0.5%
Net Generation (billion kilowatthours)														
Petroleum	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Natural Gas	1.73	1.80	1.86	1.93	1.99	2.07	2.14	2.23	2.31	2.40	2.48	2.58	2.66	5.2%
Coal	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	N/A
Other 5/	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	N/A
Total	8.20	8.27	8.33	8.40	8.46	8.54	8.61	8.70	8.78	8.87	8.95	9.05	9.13	1.0%
Disposition														
Sales to the Grid	0.81	0.82	0.83	0.83	0.84	0.85	0.86	0.86	0.87	0.88	0.89	0.90	0.91	1.0%
Generation for Own Use	7.39	7.45	7.50	7.56	7.62	7.69	7.76	7.83	7.90	7.99	8.06	8.15	8.22	1.0%
Thermal Output (trillion Btu)	78.2	78.3	78.5	78.6	78.8	79.0	79.1	79.3	79.5	79.7	79.9	80.1	80.2	0.2%
Energy Input (trillion Btu)														
Petroleum	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	N/A
Natural Gas	30.7	31.2	31.7	32.3	32.8	33.4	34.0	34.7	35.3	36.1	36.7	37.5	38.2	2.2%

Table 30. Iron and Steel Industries Energy Consumption

Shipments and Energy Consumption 1/	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Coal	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	N/A
Other 5/	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	122.3	N/A
Total	178.8	179.3	179.8	180.4	180.9	181.5	182.1	182.8	183.4	184.2	184.8	185.6	186.3	0.4%
Efficiency 6/	0.594	0.594	0.595	0.595	0.595	0.595	0.596	0.596	0.597	0.597	0.597	0.598	0.598	0.1%
Power-to-Heat Ratio 7/	0.358	0.360	0.362	0.364	0.366	0.369	0.371	0.374	0.377	0.380	0.382	0.386	0.388	0.7%

Table 30. Iron and Steel Industries Energy Consumption

1/ Fuel consumption includes consumption for combined heat and power.
2/ Includes petroleum coke, lubricants, and miscellaneous petroleum products.
3/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.
4/ Includes industrial-owned generators not classified as combined heat and power, such as standby generators.
5/ Includes wood and other biomass, waste heat, municipal solid waste, and renewable sources.
6/ Efficiency is calculated as the sum of the thermal output and electrical generation in Btus divided by the energy input.
7/ Power-to-Heat is calculated as the electrical generation in Btus divided by the thermal output.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2001 are model results and may differ slightly from official EIA data reports.
Source: 2001 nonutility and CHP summer capacity, net generation, fuel use, and thermal output: Energy Information Administration (EIA), Form EIA-860: "Annual Electric Generator Report" (preliminary). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 31. Aluminum Industry Energy Consumption

Shipments and Energy Consumption 1/	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Value of Shipments (billion 1996 dollars)	31.68	30.27	29.36	30.55	31.38	31.28	31.49	32.10	32.92	33.75	34.84	35.65	36.31
Energy Consumption (trillion Btu)													
Distillate Oil	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
Liquefied Petroleum Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petroleum Coke	5.4	5.3	5.3	5.2	5.1	5.0	4.9	4.9	4.8	4.7	4.6	4.6	4.5
Other Petroleum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petroleum Subtotal	5.9	5.8	5.7	5.6	5.5	5.5	5.4	5.3	5.2	5.2	5.1	5.0	5.0
Natural Gas	165.4	157.8	152.9	154.8	155.7	153.5	152.4	152.5	152.7	152.8	153.3	153.0	152.3
Steam Coal	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
Purchased Electricity	224.2	218.3	214.0	213.1	211.8	208.9	206.6	204.9	203.3	201.7	200.5	198.9	197.1
Total	428.2	414.6	405.3	406.3	405.8	400.7	397.2	395.4	394.0	392.4	391.6	389.7	387.1
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)													
Distillate Oil	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
Liquefied Petroleum Gas	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
Petroleum Coke	0.17	0.18	0.18	0.17	0.16	0.16	0.16	0.15	0.15	0.14	0.13	0.13	0.12
Other Petroleum	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
Petroleum Subtotal	0.19	0.19	0.19	0.18	0.18	0.17	0.17	0.17	0.16	0.15	0.15	0.14	0.14
Natural Gas	5.22	5.21	5.21	5.07	4.96	4.91	4.84	4.75	4.64	4.53	4.40	4.29	4.19
Steam Coal	1.03	1.08	1.12	1.07	1.04	1.05	1.04	1.02	1.00	0.97	0.94	0.92	0.90
Purchased Electricity	7.08	7.21	7.29	6.98	6.75	6.68	6.56	6.38	6.18	5.98	5.75	5.58	5.43
Total	13.52	13.70	13.80	13.30	12.93	12.81	12.61	12.32	11.97	11.63	11.24	10.93	10.66
Carbon Dioxide Emissions 2/ (million metric tons carbon equivalent)	15.2	14.6	13.8	13.6	13.5	13.4	13.3	13.3	13.2	13.1	13.0	12.9	12.7
Combined Heat and Power 4/													
Generating Capacity (gigawatts)													
Petroleum	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
Natural Gas	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06
Coal	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
Other 5/	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
Total	0.89	0.89	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.91	0.91	0.91	0.92
Net Generation (billion kilowatthours)													
Petroleum	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
Natural Gas	0.25	0.26	0.27	0.28	0.30	0.32	0.33	0.35	0.36	0.38	0.39	0.40	0.41
Coal	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78
Other 5/	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
Total	4.49	4.50	4.52	4.53	4.54	4.56	4.58	4.59	4.61	4.63	4.63	4.64	4.65
Disposition													
Sales to the Grid	1.45	1.45	1.46	1.46	1.47	1.47	1.48	1.49	1.49	1.50	1.50	1.50	1.50
Generation for Own Use	3.04	3.04	3.06	3.06	3.07	3.09	3.10	3.11	3.12	3.13	3.14	3.14	3.15
Thermal Output (trillion Btu)	4.7	4.7	4.8	4.8	4.9	4.9	5.0	5.1	5.1	5.2	5.2	5.2	5.3
Energy Input (trillion Btu)													
Petroleum	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Natural Gas	7.6	7.7	7.9	8.0	8.1	8.3	8.4	8.6	8.7	8.9	9.0	9.1	9.1
Coal	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
Other 5/	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
Total	55.3	55.4	55.5	55.6	55.8	55.9	56.1	56.3	56.4	56.6	56.7	56.7	56.8
Efficiency 6/	0.362	0.363	0.364	0.365	0.366	0.367	0.368	0.369	0.369	0.370	0.371	0.372	0.372

Table 31. Aluminum Industry Energy Consumption

Shipments and Energy Consumption 1/	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Power-to-Heat Ratio 7/	3.258	3.248	3.216	3.198	3.172	3.145	3.120	3.094	3.073	3.051	3.038	3.025	3.017

Table 31. Aluminum Industry Energy Consumption

Shipments and Energy Consumption 1/	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Value of Shipments (billion 1996 dollars)	36.98	37.70	38.19	38.55	38.98	39.45	39.88	40.09	40.39	40.92	41.36	41.87	42.53	1.4%
Energy Consumption (trillion Btu)														
Distillate Oil	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2%
Liquefied Petroleum Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Petroleum Coke	4.4	4.4	4.3	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.8	-1.4%
Other Petroleum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Petroleum Subtotal	4.9	4.8	4.8	4.7	4.6	4.6	4.5	4.5	4.4	4.4	4.3	4.3	4.2	-1.3%
Natural Gas	151.6	151.0	149.9	148.6	148.2	148.3	148.3	148.1	148.0	148.4	148.7	149.1	149.9	-0.2%
Steam Coal	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	N/A
Purchased Electricity	195.3	193.5	191.5	189.3	187.3	185.3	183.4	181.2	179.1	177.3	175.4	173.7	172.1	-1.0%
Total	384.5	382.0	378.9	375.4	372.9	370.9	369.0	366.5	364.3	362.9	361.2	359.8	359.0	-0.6%
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)														
Distillate Oil	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	-1.2%
Liquefied Petroleum Gas	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
Petroleum Coke	0.12	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	-2.8%
Other Petroleum	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
Petroleum Subtotal	0.13	0.13	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.10	0.10	0.10	-2.7%
Natural Gas	4.10	4.00	3.92	3.86	3.80	3.76	3.72	3.69	3.66	3.63	3.60	3.56	3.52	-1.6%
Steam Coal	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.80	0.79	0.78	0.77	-1.4%
Purchased Electricity	5.28	5.13	5.01	4.91	4.80	4.70	4.60	4.52	4.43	4.33	4.24	4.15	4.05	-2.4%
Total	10.40	10.13	9.92	9.74	9.57	9.40	9.25	9.14	9.02	8.87	8.73	8.59	8.44	-2.0%
Carbon Dioxide Emissions 2/ (million metric tons carbon equivalent)	12.6	12.4	12.3	12.2	12.1	12.0	11.9	11.8	11.6	11.5	11.5	11.4	11.3	-1.1%
Combined Heat and Power 4/														
Generating Capacity (gigawatts)														
Petroleum	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
Natural Gas	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	3.3%
Coal	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	N/A
Other 5/	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	N/A
Total	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.93	0.93	0.93	0.93	0.93	0.93	0.2%
Net Generation (billion kilowatthours)														
Petroleum	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	N/A
Natural Gas	0.42	0.42	0.43	0.44	0.44	0.45	0.46	0.47	0.49	0.50	0.51	0.52	0.54	3.2%
Coal	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	N/A
Other 5/	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	N/A
Total	4.66	4.67	4.67	4.68	4.69	4.70	4.71	4.72	4.73	4.74	4.75	4.77	4.78	0.3%
Disposition														
Sales to the Grid	1.51	1.51	1.51	1.51	1.52	1.52	1.52	1.53	1.53	1.53	1.54	1.54	1.55	0.3%
Generation for Own Use	3.15	3.16	3.16	3.17	3.17	3.18	3.19	3.19	3.20	3.21	3.22	3.23	3.24	0.3%
Thermal Output (trillion Btu)	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.6	0.7%
Energy Input (trillion Btu)														
Petroleum	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A
Natural Gas	9.2	9.3	9.3	9.4	9.5	9.6	9.6	9.7	9.8	9.9	10.0	10.2	10.3	1.2%
Coal	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	N/A
Other 5/	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	N/A
Total	56.9	56.9	57.0	57.1	57.1	57.2	57.3	57.4	57.5	57.6	57.7	57.8	58.0	0.2%
Efficiency 6/	0.372	0.373	0.373	0.374	0.374	0.375	0.375	0.376	0.376	0.377	0.377	0.378	0.379	0.2%

Table 31. Aluminum Industry Energy Consumption

Shipments and Energy Consumption 1/	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Power-to-Heat Ratio 7/	3.008	3.000	2.991	2.983	2.975	2.965	2.956	2.946	2.936	2.925	2.915	2.904	2.893	-0.5%

Table 31. Aluminum Industry Energy Consumption

1/ Fuel consumption includes consumption for combined heat and power.
2/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.
4/ Includes industrial-owned generators not classified as combined heat and power, such as standby generators.
5/ Includes wood and other biomass, waste heat, municipal solid waste, and renewable sources.
6/ Efficiency is calculated as the sum of the thermal output and electrical generation in Btus divided by the energy input.
7/ Power-to-Heat is calculated as the electrical generation in Btus divided by the thermal output.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2001 are model results and may differ slightly from official EIA data reports.
Source: 2001 nonutility and CHP summer capacity, net generation, fuel use, and thermal output: Energy Information Administration (EIA), Form EIA-860: "Annual Electric Generator Report" (preliminary). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 32. Other Industrial Sector Energy Consumption
(Trillion Btu)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Agriculture													
Distillate Oil	466.9	469.4	471.6	471.2	472.5	473.7	476.8	483.6	493.1	501.7	509.7	517.8	524.3
Liquefied Petroleum Gas	109.6	109.6	110.2	110.2	110.5	110.8	111.6	113.3	115.5	117.5	119.4	121.2	122.7
Motor Gasoline	94.0	93.9	94.5	94.5	94.7	95.0	95.7	97.2	99.1	100.8	102.4	104.0	105.3
Other Petroleum	21.7	21.7	21.9	21.9	21.9	22.0	22.1	22.5	22.9	23.3	23.7	24.1	24.4
Petroleum Subtotal	692.2	694.6	698.2	697.6	699.6	701.5	706.4	716.6	730.7	743.4	755.2	767.1	776.7
Natural Gas	224.4	226.2	227.3	227.1	227.9	228.4	229.9	233.1	237.8	242.0	245.9	249.9	253.1
Steam Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewables	25.3	25.7	25.9	26.0	26.2	26.4	26.7	27.2	27.9	28.6	29.2	29.8	30.4
Purchased Electricity	173.1	172.8	173.9	173.9	174.5	175.1	176.5	179.3	182.9	186.2	189.2	192.3	194.7
Total	1114.9	1119.3	1125.3	1124.7	1128.1	1131.4	1139.5	1156.2	1179.3	1200.1	1219.6	1239.1	1254.8
Value of Shipments (billion 1996 dollars)	282.14	281.99	284.42	285.09	286.67	288.47	291.80	297.58	304.66	311.28	317.44	323.66	328.76
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)	3.95	3.97	3.96	3.94	3.94	3.92	3.90	3.89	3.87	3.86	3.84	3.83	3.82
Carbon Dioxide Emissions 1/ (million metric tons carbon equivalent)	25.7	25.7	25.4	25.3	25.3	25.4	25.7	26.1	26.6	27.0	27.4	27.8	28.1
Construction													
Distillate Oil	238.3	238.5	233.5	230.1	232.3	232.4	234.1	242.0	248.3	252.7	258.3	264.4	269.2
Motor Gasoline	70.9	71.0	69.5	68.5	69.2	69.2	69.7	72.1	74.0	75.3	77.0	78.8	80.2
Asphalt and Road Oil	1293.2	1294.7	1267.4	1248.8	1261.1	1261.5	1271.1	1313.6	1348.0	1372.1	1402.6	1435.7	1461.9
Petroleum Subtotal	1602.4	1604.2	1570.4	1547.4	1562.6	1563.1	1575.0	1627.6	1670.3	1700.1	1737.9	1779.0	1811.3
Natural Gas	268.5	268.7	263.1	259.3	261.9	262.0	264.1	272.9	280.1	285.2	291.5	298.4	303.8
Purchased Electricity	110.1	110.3	108.0	106.5	107.6	107.7	108.6	112.2	115.3	117.4	120.1	123.0	125.3
Total	1981.0	1983.2	1941.5	1913.2	1932.1	1932.8	1947.7	2012.8	2065.7	2102.6	2149.5	2200.3	2240.5
Value of Shipments (billion 1996 dollars)	919.73	923.44	905.45	893.65	905.11	908.01	918.28	955.02	985.37	1007.44	1034.80	1064.37	1088.30
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)	2.15	2.15	2.14	2.14	2.13	2.13	2.12	2.11	2.10	2.09	2.08	2.07	2.06
Carbon Dioxide Emissions 1/ (million metric tons carbon equivalent)	15.8	15.7	15.1	14.8	15.0	15.0	15.1	15.7	16.1	16.3	16.7	17.1	17.3
Mining													
Residual Oil	53.0	53.1	52.6	53.3	53.5	53.6	55.0	55.3	55.8	55.9	56.0	56.4	56.8
Distillate Oil	200.7	201.0	196.9	200.6	202.7	205.1	209.3	211.8	213.5	214.7	215.8	217.1	218.9
Motor Gasoline	21.5	21.5	21.3	21.6	21.7	21.7	22.3	22.4	22.6	22.7	22.7	22.8	23.0
Other Petroleum	8.5	8.5	8.5	8.6	8.6	8.5	8.8	8.8	8.9	8.9	8.9	8.9	9.0
Petroleum Subtotal	283.6	284.1	279.3	284.1	286.5	289.1	295.3	298.4	300.7	302.1	303.4	305.3	307.8
Natural Gas	776.8	747.4	773.4	785.4	791.8	794.6	812.0	816.9	823.9	827.3	829.8	835.7	843.3
Lease and Plant Fuel	1160.73	1203.17	1245.17	1298.47	1317.21	1319.81	1331.75	1331.91	1357.68	1373.53	1391.23	1420.36	1450.51
Steam Coal	159.1	157.3	155.7	159.6	162.6	165.5	168.0	169.9	171.4	172.7	173.8	175.1	177.1
Renewables	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Purchased Electricity	214.7	214.1	211.7	215.7	217.9	219.7	224.6	226.7	228.7	229.8	230.8	232.4	234.6
Total	2596.0	2607.1	2666.4	2744.3	2777.2	2789.7	2832.8	2844.9	2883.5	2906.7	2930.1	2969.9	3014.4
Value of Shipments (billion 1996 dollars)	139.60	140.44	138.82	141.37	142.48	143.43	147.71	149.45	151.12	152.08	152.96	154.42	156.12
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)	18.60	18.56	19.21	19.41	19.49	19.45	19.18	19.04	19.08	19.11	19.16	19.23	19.31
Carbon Dioxide Emissions 1/ (million metric tons carbon equivalent)	32.3	31.7	31.2	31.6	31.9	32.2	33.0	33.3	33.6	33.7	33.8	34.0	34.2
Metal-Based Durables Consumption													

Table 32. Other Industrial Sector Energy Consumption
(Trillion Btu)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residual Oil	8.3	8.0	7.5	7.7	7.9	8.0	8.2	8.3	8.5	8.6	8.8	9.0	9.2
Distillate Oil	24.6	25.5	21.4	22.9	25.7	26.9	28.1	29.5	30.9	32.5	34.3	35.5	37.1
Liquefied Petroleum Gas	15.1	13.8	13.4	14.4	14.6	15.1	15.9	16.4	17.1	17.9	18.6	19.4	20.2
Petroleum Subtotal	47.9	47.2	42.3	45.0	48.2	50.1	52.1	54.3	56.4	59.0	61.8	63.9	66.5
Natural Gas	714.6	640.9	626.6	672.7	719.4	746.7	781.2	813.7	842.5	874.4	909.5	942.3	973.4
Steam Coal	56.6	56.1	54.0	54.3	54.4	54.5	54.6	54.6	54.7	54.8	54.9	55.0	55.1
Renewables	49.3	45.1	43.9	48.0	51.9	54.4	57.6	60.7	63.7	67.1	70.9	74.4	78.0
Purchased Electricity	729.0	666.4	640.0	690.7	737.3	765.9	802.5	838.9	872.6	911.2	953.4	992.0	1030.3
Total	1597.4	1455.8	1406.8	1510.8	1611.3	1671.5	1747.9	1822.2	1890.0	1966.6	2050.6	2127.6	2203.2
Value of Shipments (billion 1996 dollars)	1988.91	1810.24	1757.12	1921.77	2079.13	2175.79	2302.78	2423.20	2539.85	2674.60	2821.62	2956.52	3096.77
Energy Consumption per Unit of Output													
(thousand Btu per 1996 dollar shipments)	0.80	0.80	0.80	0.79	0.77	0.77	0.76	0.75	0.74	0.74	0.73	0.72	0.71
Carbon Dioxide Emissions 1/													
(million metric tons carbon equivalent)	51.2	46.5	43.1	45.8	48.8	50.7	53.4	55.8	57.9	60.1	62.6	64.8	66.9
Other Manufacturing Consumption													
Residual Oil	47.1	44.4	34.1	34.7	36.2	36.5	36.3	37.0	37.6	38.6	39.9	40.9	41.9
Distillate Oil	53.5	55.6	46.6	47.2	50.6	51.4	51.6	52.9	53.8	55.2	57.0	57.8	59.2
Liquefied Petroleum Gas	30.7	28.4	29.0	30.4	28.3	28.2	28.7	29.0	29.7	30.7	31.5	32.3	33.5
Petroleum Subtotal	131.3	128.4	109.6	112.3	115.0	116.2	116.5	118.9	121.2	124.5	128.3	131.0	134.6
Natural Gas	1324.2	1206.0	1211.6	1235.3	1261.6	1270.8	1285.9	1311.5	1329.3	1351.3	1380.3	1409.4	1434.9
Steam Coal	232.2	227.2	218.0	218.6	218.9	218.6	218.4	218.8	219.0	219.3	220.1	220.8	221.5
Renewables	302.2	281.6	277.8	285.0	291.3	294.9	300.3	308.7	315.6	324.0	334.3	344.3	354.1
Purchased Electricity	929.2	863.6	840.6	860.0	874.9	881.2	890.7	909.2	923.2	940.5	964.1	986.1	1006.5
Total	2919.2	2706.9	2657.5	2711.2	2761.7	2781.7	2811.8	2867.1	2908.3	2959.7	3027.2	3091.7	3151.5
Value of Shipments (billion 1996 dollars)	1275.49	1182.94	1160.96	1188.60	1213.00	1225.95	1245.86	1277.97	1303.67	1335.74	1375.53	1413.63	1450.48
Energy Consumption per Unit of Output													
(thousand Btu per 1996 dollar shipments)	2.29	2.29	2.29	2.28	2.28	2.27	2.26	2.24	2.23	2.22	2.20	2.19	2.17
Carbon Dioxide Emissions 1/													
(million metric tons carbon equivalent)	76.7	71.0	67.0	67.7	68.9	69.4	70.4	71.9	72.8	73.9	75.4	76.8	78.0
Agriculture, Mining, Construction, Metals													
Based Durables, and Other Manufacturing:													
Combined Heat and Power 2/													
Generating Capacity (gigawatts)													
Petroleum	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Natural Gas	0.40	0.46	0.55	0.61	0.69	0.77	0.85	0.93	1.01	1.09	1.16	1.23	1.29
Coal	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
Other 3/	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Total	1.67	1.73	1.81	1.87	1.95	2.03	2.11	2.19	2.27	2.35	2.43	2.49	2.56
Net Generation (billion kilowatthours)													
Petroleum	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Natural Gas	1.18	1.60	2.20	2.65	3.20	3.78	4.36	4.92	5.51	6.09	6.60	7.06	7.53
Coal	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96
Other 3/	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
Total	6.40	6.82	7.41	7.87	8.42	9.00	9.57	10.14	10.73	11.31	11.81	12.28	12.75
Disposition													
Sales to the Grid	1.50	1.65	1.88	2.04	2.24	2.44	2.64	2.84	3.05	3.25	3.42	3.58	3.74
Generation for Own Use	4.90	5.16	5.54	5.83	6.18	6.56	6.93	7.30	7.68	8.06	8.39	8.70	9.01
Thermal Output (trillion Btu)	62.9	64.6	66.8	68.5	70.5	72.6	74.7	76.7	78.7	80.7	82.4	84.0	85.5
Energy Input (trillion Btu)													

Table 32. Other Industrial Sector Energy Consumption
(Trillion Btu)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Petroleum	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
Natural Gas	21.1	25.3	31.3	35.7	41.1	46.7	52.3	57.8	63.4	68.9	73.6	78.0	82.3
Coal	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
Other 3/	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
Total	149.5	153.8	159.7	164.2	169.6	175.2	180.8	186.2	191.9	197.4	202.1	206.4	210.8
Efficiency 4/	0.567	0.571	0.577	0.581	0.585	0.590	0.594	0.598	0.601	0.605	0.607	0.610	0.612
Power-to-Heat Ratio 5/	0.347	0.360	0.378	0.392	0.407	0.423	0.437	0.451	0.465	0.478	0.489	0.499	0.509

Table 32. Other Industrial Sector Energy Consumption
(Trillion Btu)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Agriculture														
Distillate Oil	529.0	533.1	537.2	542.8	549.5	555.9	561.7	568.9	576.0	582.1	588.3	595.3	603.0	1.0%
Liquefied Petroleum Gas	123.8	124.8	125.8	127.0	128.4	129.9	131.3	132.9	134.5	135.9	137.3	138.9	140.6	1.0%
Motor Gasoline	106.3	107.1	108.0	109.0	110.2	111.4	112.6	114.0	115.3	116.5	117.7	119.1	120.5	1.0%
Other Petroleum	24.6	24.8	25.0	25.2	25.5	25.8	26.0	26.4	26.7	26.9	27.2	27.5	27.9	1.0%
Petroleum Subtotal	783.7	789.7	795.9	804.0	813.6	823.0	831.6	842.2	852.4	861.4	870.6	880.7	892.0	1.0%
Natural Gas	255.4	257.4	259.5	262.0	265.2	268.4	271.2	274.8	278.3	281.3	284.4	287.9	291.9	1.1%
Steam Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Renewables	30.8	31.2	31.6	32.1	32.6	33.2	33.6	34.2	34.8	35.3	35.8	36.4	37.0	1.5%
Purchased Electricity	196.5	198.2	199.8	201.8	204.1	206.3	208.4	210.8	213.1	215.2	217.3	219.6	222.2	1.1%
Total	1266.5	1276.5	1286.9	1299.9	1315.6	1330.8	1344.8	1361.9	1378.6	1393.2	1408.2	1424.7	1443.2	1.1%
Value of Shipments (billion 1996 dollars)	332.71	336.36	340.03	344.22	349.13	353.91	358.37	363.45	368.40	372.90	377.42	382.35	387.64	1.3%
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)	3.81	3.80	3.78	3.78	3.77	3.76	3.75	3.75	3.74	3.74	3.73	3.73	3.72	-0.3%
Carbon Dioxide Emissions 1/ (million metric tons carbon equivalent)	28.3	28.5	28.8	29.0	29.4	29.7	30.0	30.3	30.7	31.0	31.3	31.6	32.1	0.9%
Construction														
Distillate Oil	270.9	274.9	277.9	279.8	282.0	284.0	288.4	292.8	296.2	300.1	303.3	307.5	311.8	1.1%
Motor Gasoline	80.8	82.0	82.9	83.4	84.0	84.5	85.8	87.2	88.2	89.3	90.3	91.5	92.8	1.1%
Asphalt and Road Oil	1471.1	1493.0	1509.4	1519.2	1530.6	1541.3	1564.9	1589.1	1607.5	1628.5	1645.2	1667.7	1691.4	1.1%
Petroleum Subtotal	1822.8	1849.9	1870.2	1882.4	1896.6	1909.8	1939.1	1969.1	1991.9	2018.0	2038.7	2066.7	2096.0	1.1%
Natural Gas	305.8	310.3	313.6	315.6	318.0	320.2	325.1	330.1	333.9	338.3	341.9	346.6	351.6	1.1%
Purchased Electricity	126.1	128.1	129.6	130.4	131.4	132.2	134.2	136.2	137.7	139.5	140.8	142.7	144.7	1.1%
Total	2254.7	2288.3	2313.4	2328.4	2346.1	2362.3	2398.4	2435.5	2463.5	2495.8	2521.4	2556.0	2592.3	1.1%
Value of Shipments (billion 1996 dollars)	1098.47	1119.05	1134.91	1145.29	1156.56	1166.67	1187.52	1208.80	1225.23	1244.08	1259.33	1279.43	1300.45	1.4%
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)	2.05	2.04	2.04	2.03	2.03	2.02	2.02	2.01	2.01	2.01	2.00	2.00	1.99	-0.3%
Carbon Dioxide Emissions 1/ (million metric tons carbon equivalent)	17.4	17.7	17.9	18.0	18.1	18.2	18.5	18.8	19.0	19.2	19.4	19.7	19.9	1.0%
Mining														
Residual Oil	57.1	57.4	57.9	58.1	58.5	59.2	60.1	60.7	61.3	62.2	62.6	63.1	63.5	0.8%
Distillate Oil	221.0	223.5	226.1	228.4	231.4	234.7	238.2	241.0	243.6	247.3	250.3	253.6	257.3	1.0%
Motor Gasoline	23.1	23.2	23.4	23.5	23.6	23.9	24.2	24.5	24.7	25.1	25.2	25.4	25.5	0.7%
Other Petroleum	9.0	9.0	9.1	9.1	9.1	9.2	9.3	9.4	9.5	9.6	9.6	9.7	9.6	0.5%
Petroleum Subtotal	310.2	313.2	316.4	319.1	322.5	326.9	331.8	335.5	339.1	344.2	347.7	351.8	356.1	0.9%
Natural Gas	848.7	856.0	862.9	868.4	875.0	887.3	900.5	910.6	921.3	935.3	942.5	952.4	959.7	1.0%
Lease and Plant Fuel	1470.66	1492.17	1509.77	1516.78	1523.11	1547.84	1567.60	1587.49	1634.49	1689.07	1702.41	1722.84	1738.99	1.5%
Steam Coal	179.7	182.8	185.5	188.3	191.6	194.8	197.9	200.5	203.3	206.6	209.7	213.3	217.2	1.4%
Renewables	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.6%
Purchased Electricity	236.7	239.3	241.9	244.0	246.5	250.0	253.8	256.6	259.5	263.4	265.9	269.0	271.9	1.0%
Total	3047.2	3084.6	3117.7	3137.8	3159.8	3208.0	3252.9	3291.9	3358.8	3439.7	3469.4	3510.5	3545.0	1.3%
Value of Shipments (billion 1996 dollars)	157.40	159.00	160.81	162.09	163.53	166.03	168.87	170.93	172.95	175.86	177.41	179.39	181.10	1.1%
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)	19.36	19.40	19.39	19.36	19.32	19.32	19.26	19.26	19.42	19.56	19.56	19.57	19.58	0.2%
Carbon Dioxide Emissions 1/ (million metric tons carbon equivalent)	34.5	34.8	35.2	35.5	35.8	36.3	36.9	37.3	37.7	38.2	38.6	39.0	39.5	0.9%
Metal-Based Durables Consumption														

Table 32. Other Industrial Sector Energy Consumption
(Trillion Btu)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residual Oil	9.3	9.5	9.6	9.7	9.8	9.9	10.0	10.2	10.3	10.5	10.7	10.9	11.1	1.4%
Distillate Oil	38.1	38.7	39.6	40.3	40.7	41.1	41.6	43.1	43.9	45.1	46.6	48.2	49.3	2.8%
Liquefied Petroleum Gas	20.9	21.5	21.9	22.3	22.8	23.2	23.8	24.6	25.1	26.0	26.9	27.8	28.6	3.1%
Petroleum Subtotal	68.3	69.6	71.1	72.4	73.3	74.2	75.4	77.8	79.4	81.6	84.2	86.9	89.0	2.7%
Natural Gas	1002.6	1033.0	1055.6	1074.4	1098.2	1126.0	1156.5	1181.8	1211.3	1249.9	1287.1	1331.0	1366.7	3.2%
Steam Coal	55.2	55.3	55.3	55.4	55.4	55.5	55.5	55.6	55.6	55.7	55.8	55.9	56.0	0.0%
Renewables	81.6	85.1	88.0	90.6	93.4	96.5	99.9	103.0	106.3	110.5	114.7	119.5	123.4	4.3%
Purchased Electricity	1065.9	1102.0	1130.1	1153.9	1181.1	1210.5	1243.9	1273.7	1305.8	1346.6	1388.8	1436.0	1475.7	3.4%
Total	2273.5	2345.0	2400.2	2446.6	2501.4	2562.6	2631.3	2691.9	2758.4	2844.3	2930.6	3029.3	3110.9	3.2%
Value of Shipments (billion 1996 dollars)	3233.18	3369.73	3478.82	3573.89	3680.52	3795.65	3922.37	4037.02	4161.24	4316.27	4474.91	4653.77	4799.06	4.1%
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)	0.70	0.70	0.69	0.68	0.68	0.68	0.67	0.67	0.66	0.66	0.65	0.65	0.65	-0.9%
Carbon Dioxide Emissions 1/ (million metric tons carbon equivalent)	68.9	70.9	72.7	74.1	75.8	77.5	79.6	81.3	83.1	85.6	88.2	91.0	93.6	3.0%
Other Manufacturing Consumption														
Residual Oil	42.8	43.5	43.9	44.4	44.9	45.4	46.3	47.4	48.0	48.8	49.7	50.5	51.1	0.6%
Distillate Oil	59.7	59.9	60.6	61.4	61.7	61.9	62.3	63.9	64.4	65.3	66.6	68.1	69.1	0.9%
Liquefied Petroleum Gas	34.2	34.7	35.1	35.7	36.2	36.6	37.4	38.9	39.6	40.8	41.9	42.7	43.4	1.8%
Petroleum Subtotal	136.6	138.1	139.7	141.5	142.8	143.9	146.0	150.1	152.0	154.9	158.2	161.3	163.7	1.0%
Natural Gas	1459.4	1487.6	1510.3	1532.8	1563.5	1600.0	1640.5	1672.3	1706.6	1747.6	1784.6	1827.2	1861.9	1.8%
Steam Coal	222.0	222.6	223.0	223.4	223.9	224.6	225.4	225.9	226.5	227.2	227.9	228.7	229.2	0.0%
Renewables	363.4	373.6	382.2	390.7	400.6	411.0	422.8	432.7	442.5	453.9	464.8	476.7	486.1	2.3%
Purchased Electricity	1024.5	1044.4	1060.5	1075.6	1094.1	1113.4	1136.2	1154.2	1171.5	1192.4	1212.5	1233.9	1251.5	1.6%
Total	3206.0	3266.3	3315.7	3364.0	3424.9	3492.9	3571.0	3635.2	3699.1	3776.1	3848.0	3927.8	3992.5	1.6%
Value of Shipments (billion 1996 dollars)	1485.36	1523.19	1554.61	1585.11	1621.10	1659.31	1702.30	1737.21	1771.57	1812.44	1850.74	1892.95	1926.09	2.1%
Energy Consumption per Unit of Output (thousand Btu per 1996 dollar shipments)	2.16	2.14	2.13	2.12	2.11	2.11	2.10	2.09	2.09	2.08	2.08	2.07	2.07	-0.4%
Carbon Dioxide Emissions 1/ (million metric tons carbon equivalent)	79.1	80.3	81.5	82.6	83.9	85.3	87.1	88.3	89.5	91.2	92.7	94.4	95.9	1.3%
Agriculture, Mining, Construction, Metals Based Durables, and Other Manufacturing:														
Combined Heat and Power 2/														
Generating Capacity (gigawatts)														
Petroleum	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	N/A
Natural Gas	1.36	1.44	1.52	1.62	1.73	1.86	2.00	2.16	2.33	2.52	2.71	2.93	3.13	8.3%
Coal	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	N/A
Other 3/	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	N/A
Total	2.63	2.70	2.79	2.89	3.00	3.13	3.27	3.43	3.59	3.79	3.97	4.19	4.40	4.0%
Net Generation (billion kilowatthours)														
Petroleum	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	N/A
Natural Gas	8.03	8.58	9.18	9.89	10.65	11.59	12.58	13.71	14.87	16.26	17.58	19.15	20.59	11.2%
Coal	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	N/A
Other 3/	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	N/A
Total	13.25	13.80	14.40	15.11	15.87	16.80	17.80	18.93	20.09	21.48	22.80	24.36	25.81	5.7%
Disposition														
Sales to the Grid	3.91	4.09	4.29	4.53	4.78	5.09	5.42	5.79	6.17	6.62	7.06	7.57	8.04	6.8%
Generation for Own Use	9.34	9.71	10.11	10.58	11.09	11.72	12.38	13.14	13.92	14.85	15.74	16.80	17.77	5.3%
Thermal Output (trillion Btu)	87.2	88.9	90.8	93.1	95.4	98.2	101.2	104.5	107.9	111.8	115.5	119.7	123.5	2.7%
Energy Input (trillion Btu)														

Table 32. Other Industrial Sector Energy Consumption
(Trillion Btu)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Petroleum	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	N/A
Natural Gas	86.9	92.0	97.5	103.9	110.9	119.3	128.2	138.3	148.6	160.7	172.2	185.7	198.1	9.0%
Coal	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	N/A
Other 3/	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	N/A
Total	215.4	220.4	225.9	232.4	239.3	247.8	256.6	266.7	277.0	289.2	300.7	314.2	326.6	3.2%
Efficiency 4/	0.615	0.617	0.620	0.622	0.625	0.628	0.631	0.634	0.637	0.640	0.643	0.646	0.648	0.5%
Power-to-Heat Ratio 5/	0.519	0.529	0.541	0.554	0.568	0.584	0.600	0.618	0.636	0.656	0.674	0.695	0.713	2.9%

Table 32. Other Industrial Sector Energy Consumption
(Trillion Btu)

1/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.
2/ Includes industrial-owned generators not classified as combined heat and power, such as standby generators.
3/ Includes wood and other biomass, waste heat, municipal solid waste, and renewable sources.
4/ Efficiency is calculated as the sum of the thermal output and electrical generation in Btus divided by the energy input.
5/ Power-to-Heat is calculated as the electrical generation in Btus divided by the thermal output.
Btu = British thermal unit.
Note: Totals may not equal sum of components due to independent rounding. Data for 2001 are model results and may differ slightly from official EIA data reports.
Source: 2001 nonutility and CHP summer capacity, net generation, fuel use, and thermal output: Energy Information Administration (EIA), Form EIA-860: "Annual Electric Generator Report" (preliminary). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 33. Transportation Sector Energy Use by Mode and Type
(Trillion Btu)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Use by Mode													
Highway													
Light-Duty Vehicles	14951.4	15278.8	15738.7	16065.0	16397.9	16830.5	17304.4	17802.9	18324.8	18837.7	19364.2	19853.4	20321.7
Automobiles	8995.7	8953.7	8990.0	8950.8	8926.3	8957.0	9010.8	9087.0	9174.6	9261.4	9367.6	9461.7	9559.5
Light Trucks	5929.9	6299.4	6722.9	7088.6	7446.0	7847.8	8267.6	8689.8	9123.8	9549.6	9969.7	10364.6	10734.7
Motorcycles	25.8	25.7	25.8	25.7	25.6	25.7	25.9	26.1	26.4	26.6	26.9	27.2	27.5
Commercial Light Trucks 1/	634.6	603.9	596.3	613.3	631.5	645.0	663.2	685.2	707.3	730.4	755.7	779.1	801.1
Buses	247.9	257.6	258.3	259.1	260.4	262.7	265.2	267.7	270.4	273.0	275.4	277.5	279.1
Transit	97.7	101.5	101.7	102.0	102.6	103.5	104.4	105.5	106.5	107.5	108.5	109.3	109.9
Intercity	36.0	37.5	37.6	37.7	37.9	38.2	38.6	39.0	39.3	39.7	40.1	40.4	40.6
School	114.2	118.7	118.9	119.3	119.9	121.0	122.1	123.3	124.5	125.7	126.9	127.8	128.6
Freight Trucks 2/	4374.7	4322.0	4261.3	4418.6	4572.5	4679.8	4815.5	4975.2	5128.2	5301.3	5491.6	5668.1	5817.8
Medium (1000-26000 pounds)	734.4	705.0	686.6	703.3	715.1	718.8	728.3	742.8	757.7	777.2	800.7	823.7	844.9
Large (> 26000 pounds)	3640.3	3617.0	3574.7	3715.3	3857.4	3961.1	4087.2	4232.4	4370.5	4524.1	4691.0	4844.4	4972.9
Non-Highway													
Air 3/	3145.9	2966.8	2887.2	2837.1	2822.0	2899.3	2999.0	3091.9	3199.1	3313.2	3413.3	3517.3	3625.4
General Aviation	190.3	181.7	177.9	175.4	174.7	178.3	183.0	187.4	192.5	197.9	202.7	207.6	212.8
Domestic Air Carriers	1818.5	1735.4	1738.0	1683.9	1668.3	1706.1	1747.5	1791.3	1839.2	1888.8	1925.1	1964.2	2003.4
International Air Carriers	633.7	596.2	630.7	621.2	618.5	633.3	651.3	668.9	689.5	709.0	725.4	741.3	759.1
Freight Carriers	503.3	453.5	340.6	356.6	360.5	381.6	417.1	444.3	478.0	517.6	560.2	604.2	650.2
Water 4/	1440.9	1432.1	1375.2	1408.0	1413.8	1419.3	1431.5	1440.7	1450.0	1458.7	1468.1	1477.9	1487.2
Freight	1124.7	1119.0	1060.8	1092.1	1096.6	1099.8	1109.1	1115.4	1121.4	1126.9	1132.6	1139.2	1145.1
Domestic Shipping	283.4	344.6	338.4	342.6	346.1	348.4	356.5	361.7	366.7	371.1	375.7	381.2	386.0
International Shipping	841.3	774.4	722.5	749.4	750.5	751.4	752.6	753.6	754.7	755.8	756.9	758.0	759.1
Recreational Boats	316.1	313.1	314.3	316.0	317.2	319.6	322.4	325.4	328.6	331.9	335.5	338.8	342.1
Rail	609.2	628.4	610.2	617.0	621.4	626.1	638.9	650.2	657.4	666.3	676.9	689.7	696.6
Freight	497.1	512.8	492.3	497.2	499.5	501.9	512.2	521.1	525.8	532.1	540.1	550.4	554.7
Passenger	112.0	115.6	117.9	119.8	121.9	124.3	126.7	129.1	131.7	134.2	136.8	139.3	141.9
Intercity	25.7	26.8	27.3	27.7	28.2	28.7	29.3	29.9	30.5	31.0	31.6	32.2	32.8
Transit	45.6	46.4	47.4	48.2	49.0	50.0	50.9	51.9	52.9	53.9	55.0	56.0	57.0
Commuter	40.7	42.4	43.2	43.9	44.7	45.6	46.5	47.4	48.3	49.2	50.2	51.1	52.0
Lubricants	180.0	194.0	200.0	203.3	205.2	202.4	203.7	206.2	208.3	211.5	216.0	220.4	224.5
Pipeline Fuel Natural Gas	661.8	629.9	579.9	632.9	653.5	663.0	680.3	693.8	722.9	748.4	777.4	794.9	815.0
Military Use	587.7	621.6	648.7	691.2	701.0	695.8	697.4	697.5	699.1	701.1	703.0	704.7	710.7
Aviation	476.7	501.7	518.2	552.2	560.0	555.9	557.1	557.2	558.5	560.1	561.6	562.9	567.7
Residual Fuel Use	17.9	18.3	19.8	21.1	21.4	21.3	21.3	21.3	21.4	21.4	21.5	21.5	21.7
Distillate Fuel Use	93.2	101.7	110.7	117.9	119.6	118.7	119.0	119.0	119.3	119.6	119.9	120.2	121.3
Total	26834.1	26935.1	27155.7	27745.7	28279.2	28924.2	29699.1	30511.3	31367.5	32241.7	33141.7	33983.1	34779.0
Energy Use by Type													
Motor Gasoline	16022.5	16198.6	16557.8	16818.9	17083.1	17447.4	17883.7	18357.7	18851.6	19339.0	19842.3	20309.9	20757.0
Distillate (diesel)	5342.0	5442.0	5412.0	5623.6	5826.6	5985.9	6185.5	6401.4	6610.0	6837.5	7082.4	7312.6	7509.2
Jet Fuel (kerosene & naphtha)	3580.0	3426.0	3363.0	3346.9	3339.6	3412.9	3513.8	3606.9	3715.4	3831.2	3932.8	4038.1	4151.0
Residual Oil	888.0	836.0	787.0	814.6	816.9	818.2	821.6	824.0	826.4	828.8	831.2	833.8	836.3
Aviation Gasoline	42.6	42.5	42.4	42.3	42.3	42.3	42.2	42.2	42.2	42.2	42.1	42.1	42.1
Liquefied Petroleum Gas	25.9	45.0	63.6	83.2	102.6	119.6	125.3	128.9	132.5	136.3	140.7	144.8	148.5
Lubricants	180.0	194.0	200.0	203.3	205.2	202.4	203.7	206.2	208.3	211.5	216.0	220.4	224.5
Petroleum Subtotal	26081.0	26184.1	26425.8	26932.9	27416.3	28028.7	28775.9	29567.3	30386.4	31226.4	32087.6	32901.6	33668.6
Methanol	0.8	0.6	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol	7.0	29.6	50.9	72.6	93.8	108.1	111.4	111.5	111.5	111.7	112.8	113.8	114.4

Table 33. Transportation Sector Energy Use by Mode and Type
(Trillion Btu)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electricity	72.1	74.0	76.2	78.0	79.7	81.9	83.9	86.0	88.2	90.6	93.1	95.8	98.5
Compressed Natural Gas	11.4	17.0	22.5	29.0	35.7	42.5	47.4	52.8	58.4	64.4	70.6	76.7	82.3
Liquid Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2
Pipeline Fuel Natural Gas	661.8	629.9	579.9	632.9	653.5	663.0	680.3	693.8	722.9	748.4	777.4	794.9	815.0
Total Consumption	26834.1	26935.1	27155.7	27745.7	28279.2	28924.2	29699.1	30511.3	31367.5	32241.7	33141.7	33983.1	34779.0

Table 33. Transportation Sector Energy Use by Mode and Type
(Trillion Btu)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Use by Mode														
Highway														
Light-Duty Vehicles	20782.3	21199.5	21596.0	21975.1	22342.8	22721.8	23124.7	23466.8	23796.0	24146.1	24538.5	24964.8	25362.3	2.1%
Automobiles	9663.5	9750.3	9835.4	9922.4	10007.6	10106.3	10222.6	10317.6	10440.1	10577.4	10737.1	10917.1	11088.5	0.9%
Light Trucks	11091.0	11421.2	11732.3	12024.2	12306.5	12586.5	12872.7	13119.6	13325.9	13538.4	13770.6	14016.4	14242.0	3.5%
Motorcycles	27.8	28.0	28.3	28.5	28.7	29.0	29.4	29.6	30.0	30.4	30.8	31.4	31.8	0.9%
Commercial Light Trucks 1/	820.6	839.9	855.4	868.8	883.2	898.4	915.8	930.6	944.7	961.9	979.2	999.2	1015.7	2.2%
Buses	280.4	281.1	281.4	281.4	281.3	281.2	281.3	281.3	281.5	281.8	282.6	283.7	284.7	0.4%
Transit	110.4	110.7	110.8	110.8	110.8	110.8	110.8	110.8	110.9	111.0	111.3	111.7	112.1	0.4%
Intercity	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	41.0	41.0	41.1	41.3	41.4	0.4%
School	129.2	129.5	129.6	129.6	129.6	129.5	129.6	129.6	129.6	129.8	130.2	130.6	131.1	0.4%
Freight Trucks 2/	5943.7	6068.9	6165.1	6249.8	6348.8	6452.9	6572.1	6675.9	6787.7	6925.5	7066.7	7229.2	7364.7	2.2%
Medium (1000-26000 pounds)	864.8	886.8	906.7	926.7	949.7	974.4	1001.4	1025.6	1050.4	1078.4	1106.4	1137.6	1164.5	2.1%
Large (> 26000 pounds)	5079.0	5182.1	5258.4	5323.2	5399.1	5478.6	5570.7	5650.3	5737.3	5847.1	5960.2	6091.6	6200.2	2.3%
Non-Highway														
Air 3/	3737.4	3851.1	3962.7	4072.1	4183.9	4299.0	4411.0	4517.9	4622.8	4730.4	4839.7	4947.6	5061.1	2.3%
General Aviation	218.1	223.5	228.8	234.0	239.3	244.8	250.1	255.2	260.2	265.3	270.5	275.7	281.1	1.8%
Domestic Air Carriers	2043.6	2083.1	2120.6	2155.1	2185.6	2211.8	2233.8	2250.9	2265.7	2274.7	2282.0	2284.2	2285.0	1.2%
International Air Carriers	776.6	794.1	810.5	825.4	838.5	849.9	859.7	868.7	874.5	880.4	883.3	886.6	887.0	1.7%
Freight Carriers	699.1	750.4	802.8	857.6	920.5	992.5	1067.4	1143.2	1222.4	1309.9	1403.8	1501.1	1608.0	5.4%
Water 4/	1495.4	1504.8	1513.9	1522.2	1531.3	1542.1	1554.1	1563.5	1572.8	1584.1	1593.7	1604.5	1614.3	0.5%
Freight	1149.9	1155.7	1161.4	1166.2	1171.9	1179.2	1187.5	1193.6	1200.0	1208.2	1214.4	1221.6	1227.9	0.4%
Domestic Shipping	389.6	394.3	398.7	402.5	407.0	413.1	420.1	425.0	430.2	437.2	442.1	448.0	453.2	1.1%
International Shipping	760.3	761.4	762.6	763.7	764.9	766.1	767.4	768.6	769.8	771.0	772.3	773.5	774.7	0.0%
Recreational Boats	345.5	349.1	352.6	356.0	359.4	362.9	366.6	369.8	372.7	375.8	379.3	383.0	386.4	0.9%
Rail	702.1	707.6	713.5	721.1	727.7	733.1	740.3	745.4	749.2	755.9	762.6	769.2	776.6	0.9%
Freight	557.6	560.6	563.9	568.9	572.9	575.7	580.0	582.5	583.7	587.6	591.5	595.1	599.5	0.7%
Passenger	144.5	147.0	149.6	152.1	154.7	157.4	160.2	162.9	165.6	168.3	171.1	174.1	177.0	1.8%
Intercity	33.4	34.0	34.6	35.2	35.8	36.4	37.1	37.7	38.3	38.9	39.6	40.3	41.0	1.8%
Transit	58.1	59.1	60.1	61.2	62.2	63.3	64.4	65.5	66.5	67.6	68.8	70.0	71.2	1.8%
Commuter	53.0	53.9	54.9	55.8	56.7	57.7	58.8	59.7	60.7	61.7	62.8	63.9	64.9	1.8%
Lubricants	228.7	233.6	238.1	242.5	247.0	251.0	255.0	258.2	261.2	264.8	268.3	272.7	276.3	1.5%
Pipeline Fuel Natural Gas	826.2	838.6	848.1	854.0	859.3	875.7	891.0	908.1	945.1	985.5	997.3	1011.6	1021.9	2.0%
Military Use	719.3	728.1	736.9	745.8	754.7	763.8	772.9	782.1	791.3	800.7	810.1	819.6	829.2	1.2%
Aviation	574.6	581.6	588.6	595.7	602.9	610.1	617.4	624.7	632.1	639.6	647.1	654.7	662.4	1.2%
Residual Fuel Use	22.0	22.2	22.5	22.8	23.1	23.3	23.6	23.9	24.2	24.5	24.8	25.0	25.3	1.4%
Distillate Fuel Use	122.7	124.2	125.7	127.2	128.8	130.3	131.9	133.4	135.0	136.6	138.2	139.8	141.5	1.4%
Total	35536.2	36253.2	36911.0	37532.7	38159.9	38819.1	39518.3	40129.7	40752.1	41436.6	42138.8	42901.9	43606.8	2.0%
Energy Use by Type														
Motor Gasoline	21195.2	21590.3	21963.5	22319.4	22660.4	23018.5	23403.2	23726.1	24041.6	24381.6	24762.8	25178.6	25559.6	1.9%
Distillate (diesel)	7679.6	7848.8	7987.0	8113.1	8257.4	8403.1	8566.8	8710.3	8855.8	9030.5	9209.1	9411.2	9588.7	2.4%
Jet Fuel (kerosene & naphtha)	4270.0	4390.6	4509.2	4625.7	4744.7	4867.1	4986.3	5100.6	5212.8	5327.9	5444.7	5560.2	5681.4	2.1%
Residual Oil	838.7	841.4	844.0	846.3	848.9	852.1	855.5	858.3	861.1	864.5	867.3	870.4	873.3	0.2%
Aviation Gasoline	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	0.0%
Liquefied Petroleum Gas	151.7	155.2	158.4	161.4	164.6	167.1	169.3	170.8	171.7	172.9	174.4	175.9	178.2	5.9%
Lubricants	228.7	233.6	238.1	242.5	247.0	251.0	255.0	258.2	261.2	264.8	268.3	272.7	276.3	1.5%
Petroleum Subtotal	34406.0	35102.0	35742.3	36350.6	36965.0	37600.9	38278.2	38866.3	39446.2	40084.4	40768.8	41511.1	42199.6	2.0%
Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-20.7%
Ethanol	115.1	116.2	117.3	118.3	119.1	119.5	119.7	119.3	118.6	118.0	117.5	117.3	117.1	5.9%

Table 33. Transportation Sector Energy Use by Mode and Type
(Trillion Btu)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electricity	101.2	103.9	106.7	109.5	112.7	116.1	119.4	123.2	127.1	130.9	134.8	138.7	142.4	2.8%
Compressed Natural Gas	87.3	92.0	96.1	99.7	103.1	106.2	109.2	111.9	114.2	116.7	119.1	121.6	123.8	8.6%
Liquid Hydrogen	0.3	0.4	0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.2	1.4	1.7	2.0	N/A
Pipeline Fuel Natural Gas	826.2	838.6	848.1	854.0	859.3	875.7	891.0	908.1	945.1	985.5	997.3	1011.6	1021.9	2.0%
Total Consumption	35536.2	36253.2	36911.0	37532.7	38159.9	38819.1	39518.3	40129.8	40752.1	41436.6	42138.8	42901.9	43606.8	2.0%

Table 33. Transportation Sector Energy Use by Mode and Type
(Trillion Btu)

1/ Commercial light trucks from 8,500 to 10,000 pounds.
2/ Does not include commercial bus and military use.
3/ Does not include military jet fuel use.
4/ Does not include military residual oil.
Btu = British thermal unit.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 values derived using: Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002); EIA, Fuel Oil and Kerosene Sales 2001, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/fuel_oil_and_kerosene_sales/historical/foks.html; EIA, State Energy Data Report 1999, DOE/EIA-0214(99) (Washington, DC, May 2001); Oak Ridge National Laboratory, Transportation Energy Data Book: Edition 22 and Annual (Oak Ridge, TN, September 2002); Department of Defense, Defense Fuel Supply Center; and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 34. Transportation Sector Energy Use by Fuel Type Within a Mode
(Trillion Btu)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Light-Duty Vehicle													
Motor Gasoline	14794.47	15035.10	15416.13	15661.78	15913.59	16271.99	16695.25	17150.77	17625.86	18091.92	18569.89	19013.85	19438.40
Ethanol	6.99	29.55	50.88	72.63	93.78	108.06	111.44	111.46	111.46	111.70	112.83	113.80	114.41
Compressed Natural Gas	10.34	15.62	20.63	26.29	31.47	36.17	38.52	40.86	43.12	45.34	47.75	50.01	52.08
Liquefied Petroleum Gas	16.61	36.74	55.98	75.79	95.33	112.36	118.04	121.37	124.52	127.84	131.78	135.40	138.71
Electricity	0.70	1.32	1.90	2.48	2.98	3.58	4.09	4.63	5.27	6.10	6.96	8.06	9.16
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.05	0.07	0.11	0.16	0.24
Distillate (diesel)	121.48	159.84	192.69	225.79	260.64	298.34	336.99	373.79	414.46	454.69	494.83	532.13	568.66
Total	14951.38	15278.81	15738.68	16065.04	16397.95	16830.53	17304.36	17802.93	18324.75	18837.66	19364.16	19853.42	20321.66
Commercial Light Trucks Gasoline 1/	634.64	603.87	596.29	613.35	631.46	645.00	663.16	685.21	707.27	730.41	755.71	779.09	801.10
Freight Trucks 2/													
Motor Gasoline	267.43	236.82	221.34	218.04	211.03	200.96	192.93	186.25	179.69	174.56	170.89	167.71	164.86
Distillate (diesel)	4096.93	4075.63	4030.47	4190.44	4349.90	4465.33	4606.40	4769.46	4925.21	5099.24	5288.92	5464.29	5612.96
Compressed Natural Gas	1.04	1.36	1.86	2.72	4.26	6.35	8.89	11.92	15.33	19.04	22.90	26.70	30.20
Liquefied Petroleum Gas	9.31	8.24	7.64	7.42	7.28	7.20	7.30	7.57	7.96	8.44	8.94	9.40	9.76
Total	4374.71	4322.05	4261.30	4418.62	4572.48	4679.84	4815.52	4975.20	5128.19	5301.28	5491.64	5668.10	5817.78
Freight Rail 3/													
Distillate (diesel)	497.15	512.81	492.32	497.21	499.54	501.86	512.23	521.06	525.78	532.07	540.09	550.39	554.68
Total	497.15	512.81	492.32	497.21	499.54	501.86	512.23	521.06	525.78	532.07	540.09	550.39	554.68
Domestic Shipping													
Distillate (diesel)	200.09	247.90	243.71	246.75	249.27	250.90	256.79	260.53	264.11	267.26	270.58	274.51	277.98
Residual Oil	83.34	96.69	94.68	95.86	96.84	97.47	99.76	101.22	102.61	103.83	105.12	106.65	108.00
Motor Gasoline	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	283.43	344.58	338.39	342.61	346.11	348.37	356.55	361.75	366.72	371.09	375.71	381.16	385.98
International Shipping													
Distillate (diesel)	54.52	53.36	49.96	51.83	51.90	51.96	52.04	52.12	52.19	52.27	52.34	52.42	52.49
Residual Oil	786.77	721.03	672.50	697.62	698.64	699.44	700.52	701.51	702.48	703.52	704.56	705.57	706.60
Total	841.30	774.39	722.46	749.45	750.54	751.40	752.57	753.62	754.67	755.78	756.90	757.99	759.10
Air Transportation													
Jet Fuel	3103.33	2924.33	2844.78	2794.74	2779.65	2857.06	2956.73	3049.68	3156.93	3271.09	3371.21	3475.15	3583.33
Aviation Gasoline	42.56	42.48	42.41	42.35	42.30	42.26	42.23	42.20	42.18	42.16	42.14	42.13	42.12
Total	3145.89	2966.80	2887.18	2837.08	2821.95	2899.32	2998.96	3091.88	3199.10	3313.25	3413.35	3517.28	3625.45
Miscellaneous Transportation													
Military Use													
Jet Fuel	476.67	501.67	518.22	552.18	559.99	555.85	557.11	557.21	558.45	560.09	561.59	562.95	567.72
Residual Fuel	17.89	18.28	19.82	21.12	21.42	21.26	21.31	21.31	21.36	21.42	21.48	21.53	21.72
Distillate	93.18	101.66	110.69	117.94	119.61	118.72	118.99	119.01	119.28	119.63	119.95	120.24	121.26
Total	587.74	621.62	648.73	691.24	701.01	695.84	697.41	697.53	699.09	701.14	703.01	704.72	710.69
Bus Transportation													
Transit Bus (motor gasoline)	4.55	4.49	4.48	4.49	4.52	4.56	4.60	4.64	4.69	4.73	4.78	4.81	4.84
Transit Bus (diesel)	93.14	96.99	97.24	97.55	98.05	98.93	99.84	100.81	101.82	102.78	103.71	104.48	105.10
Intercity Bus (diesel)	36.00	37.49	37.58	37.70	37.89	38.23	38.59	38.96	39.35	39.72	40.08	40.38	40.62
School Bus (motor gasoline)	5.32	5.25	5.24	5.25	5.28	5.33	5.38	5.43	5.48	5.54	5.59	5.63	5.66

Table 34. Transportation Sector Energy Use by Fuel Type Within a Mode
(Trillion Btu)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
School Bus (diesel)	108.92	113.42	113.71	114.07	114.66	115.68	116.75	117.88	119.06	120.18	121.27	122.18	122.91
Total	247.93	257.64	258.25	259.06	260.40	262.73	265.16	267.72	270.40	272.95	275.43	277.49	279.13
Rail Transportation													
Intercity Rail (electricity)	10.00	10.17	10.40	10.57	10.75	10.96	11.17	11.39	11.61	11.83	12.06	12.29	12.51
Intercity Rail (diesel)	15.70	16.60	16.88	17.15	17.44	17.79	18.13	18.48	18.85	19.21	19.58	19.94	20.31
Transit Rail (electricity)	45.58	46.36	47.40	48.16	48.98	49.95	50.92	51.90	52.92	53.94	54.98	56.01	57.04
Commuter Rail (electricity)	15.85	16.13	16.49	16.75	17.04	17.38	17.71	18.05	18.41	18.76	19.12	19.48	19.84
Commuter Rail (diesel)	24.89	26.31	26.76	27.19	27.65	28.20	28.75	29.30	29.88	30.45	31.04	31.62	32.20
Total	112.01	115.57	117.92	119.83	121.86	124.28	126.68	129.13	131.67	134.19	136.78	139.34	141.90
Recreation Boats	316.13	313.09	314.34	315.95	317.19	319.58	322.38	325.36	328.59	331.87	335.49	338.78	342.11
Lubricants	180.00	194.00	200.00	203.35	205.20	202.38	203.75	206.21	208.31	211.54	216.03	220.36	224.49
Pipeline Fuel Natural Gas	661.84	629.92	579.89	632.91	653.48	663.02	680.35	693.75	722.93	748.42	777.44	794.95	814.96
Total Miscellaneous	2105.65	2131.83	2119.13	2222.34	2259.14	2267.83	2295.73	2319.71	2360.98	2400.11	2444.18	2475.64	2513.29
Total Consumption	26834.15	26935.14	27155.74	27745.70	28279.16	28924.15	29699.06	30511.35	31367.46	32241.66	33141.73	33983.08	34779.04

Table 34. Transportation Sector Energy Use by Fuel Type Within a Mode
(Trillion Btu)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Light-Duty Vehicle														
Motor Gasoline	19856.21	20229.87	20585.51	20925.75	21249.19	21588.55	21951.80	22256.78	22555.02	22874.16	23233.65	23624.46	23984.47	2.0%
Ethanol	115.07	116.15	117.26	118.25	119.08	119.50	119.66	119.31	118.59	118.02	117.49	117.28	117.09	5.9%
Compressed Natural Gas	54.06	56.02	57.86	59.56	61.14	62.56	63.90	64.99	65.85	66.72	67.60	68.54	69.40	6.4%
Liquefied Petroleum Gas	141.68	145.03	148.11	151.14	154.23	156.70	158.74	160.13	160.89	161.99	163.20	164.42	166.50	6.5%
Electricity	10.13	11.30	12.49	13.63	15.25	16.91	18.47	20.62	22.80	24.88	26.94	28.98	30.86	14.0%
Liquid Hydrogen	0.34	0.42	0.49	0.56	0.62	0.69	0.79	0.88	0.99	1.16	1.37	1.65	2.03	N/A
Distillate (diesel)	604.77	640.71	674.22	706.19	743.24	776.88	811.34	844.03	871.80	899.19	928.30	959.50	991.95	7.9%
Total	20782.27	21199.51	21595.95	21975.09	22342.75	22721.80	23124.71	23466.75	23795.96	24146.13	24538.55	24964.83	25362.29	2.1%
Commercial Light Trucks Gasoline 1/	820.57	839.86	855.41	868.82	883.25	898.44	915.83	930.57	944.72	961.86	979.23	999.15	1015.66	2.2%
Freight Trucks 2/														
Motor Gasoline	162.39	160.88	159.42	158.30	157.96	157.98	158.37	158.33	158.49	159.16	159.95	161.37	162.34	-1.6%
Distillate (diesel)	5738.04	5861.77	5957.13	6041.05	6138.51	6240.91	6357.89	6460.04	6570.08	6705.45	6843.99	7003.23	7136.32	2.4%
Compressed Natural Gas	33.29	36.02	38.27	40.17	41.93	43.62	45.34	46.87	48.34	49.96	51.51	53.10	54.35	16.6%
Liquefied Petroleum Gas	10.02	10.20	10.28	10.31	10.36	10.43	10.54	10.64	10.76	10.96	11.20	11.48	11.70	1.5%
Total	5943.74	6068.88	6165.11	6249.83	6348.77	6452.93	6572.15	6675.88	6787.67	6925.52	7066.66	7229.17	7364.71	2.2%
Freight Rail 3/														
Distillate (diesel)	557.59	560.59	563.87	568.90	572.93	575.67	580.05	582.48	583.67	587.57	591.50	595.05	599.52	0.7%
Total	557.59	560.59	563.87	568.90	572.93	575.67	580.05	582.48	583.67	587.57	591.50	595.05	599.52	0.7%
Domestic Shipping														
Distillate (diesel)	280.61	283.95	287.18	289.87	293.10	297.49	302.56	306.09	309.84	314.87	318.40	322.68	326.37	1.2%
Residual Oil	109.02	110.32	111.57	112.61	113.87	115.58	117.54	118.92	120.38	122.33	123.70	125.36	126.80	1.1%
Motor Gasoline	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
Total	389.63	394.27	398.75	402.48	406.97	413.06	420.10	425.01	430.22	437.20	442.11	448.05	453.16	1.1%
International Shipping														
Distillate (diesel)	52.58	52.66	52.74	52.82	52.90	52.98	53.07	53.15	53.23	53.32	53.41	53.49	53.58	0.0%
Residual Oil	707.69	708.79	709.87	710.92	712.00	713.14	714.33	715.47	716.56	717.70	718.86	720.03	721.16	0.0%
Total	760.26	761.45	762.61	763.74	764.89	766.13	767.40	768.62	769.79	771.01	772.27	773.52	774.74	0.0%
Air Transportation														
Jet Fuel	3695.33	3808.99	3920.59	4029.98	4141.79	4256.95	4368.95	4475.84	4580.71	4688.29	4797.59	4905.48	5019.03	2.3%
Aviation Gasoline	42.11	42.10	42.10	42.09	42.09	42.08	42.08	42.08	42.08	42.07	42.07	42.07	42.07	0.0%
Total	3737.44	3851.09	3962.69	4072.07	4183.87	4299.03	4411.03	4517.92	4622.78	4730.37	4839.66	4947.55	5061.10	2.3%
Miscellaneous Transportation														
Military Use														
Jet Fuel	574.63	581.60	588.63	595.73	602.89	610.11	617.38	624.73	632.13	639.59	647.12	654.72	662.38	1.2%
Residual Fuel	21.98	22.25	22.52	22.79	23.06	23.34	23.62	23.90	24.18	24.46	24.75	25.04	25.34	1.4%
Distillate	122.73	124.22	125.72	127.24	128.77	130.31	131.86	133.43	135.01	136.61	138.22	139.84	141.48	1.4%
Total	719.34	728.07	736.87	745.75	754.72	763.75	772.86	782.05	791.32	800.67	810.09	819.60	829.19	1.2%
Bus Transportation														
Transit Bus (motor gasoline)	4.86	4.88	4.88	4.88	4.88	4.88	4.88	4.88	4.88	4.89	4.90	4.92	4.94	0.4%
Transit Bus (diesel)	105.58	105.85	105.95	105.94	105.91	105.89	105.92	105.94	105.98	106.13	106.41	106.81	107.21	0.4%
Intercity Bus (diesel)	40.81	40.91	40.95	40.94	40.93	40.92	40.94	40.94	40.96	41.02	41.13	41.28	41.43	0.4%
School Bus (motor gasoline)	5.69	5.70	5.71	5.71	5.71	5.70	5.71	5.71	5.71	5.72	5.73	5.75	5.77	0.4%

Table 34. Transportation Sector Energy Use by Fuel Type Within a Mode
(Trillion Btu)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
School Bus (diesel)	123.47	123.77	123.89	123.88	123.85	123.82	123.86	123.88	123.93	124.10	124.44	124.90	125.37	0.4%
Total	280.41	281.10	281.37	281.35	281.28	281.22	281.30	281.35	281.46	281.85	282.61	283.65	284.72	0.4%
Rail Transportation														
Intercity Rail (electricity)	12.74	12.97	13.19	13.42	13.65	13.88	14.13	14.37	14.60	14.84	15.09	15.35	15.61	1.8%
Intercity Rail (diesel)	20.68	21.05	21.41	21.78	22.15	22.53	22.93	23.32	23.70	24.09	24.50	24.92	25.34	1.8%
Transit Rail (electricity)	58.08	59.10	60.13	61.15	62.19	63.27	64.39	65.48	66.54	67.64	68.79	69.98	71.16	1.8%
Commuter Rail (electricity)	20.20	20.56	20.92	21.27	21.63	22.01	22.40	22.78	23.15	23.53	23.93	24.34	24.75	1.8%
Commuter Rail (diesel)	32.79	33.37	33.95	34.53	35.11	35.72	36.35	36.97	37.57	38.19	38.84	39.51	40.18	1.8%
Total	144.50	147.05	149.60	152.15	154.73	157.41	160.20	162.90	165.55	168.28	171.15	174.11	177.04	1.8%
Recreation Boats	345.48	349.08	352.56	355.97	359.41	362.93	366.64	369.84	372.75	375.85	379.31	382.96	386.43	0.9%
Lubricants	228.73	233.59	238.10	242.48	246.95	250.98	255.03	258.24	261.18	264.81	268.35	272.66	276.32	1.5%
Pipeline Fuel Natural Gas	826.18	838.65	848.12	854.03	859.33	875.75	890.99	908.14	945.07	985.49	997.34	1011.56	1021.95	2.0%
Total Miscellaneous	2544.65	2577.54	2606.63	2631.74	2656.43	2692.04	2727.02	2762.53	2817.33	2876.94	2908.84	2944.54	2975.66	1.4%
Total Consumption	35536.15	36253.19	36911.02	37532.67	38159.86	38819.11	39518.28	40129.75	40752.15	41436.61	42138.82	42901.88	43606.83	2.0%

Table 34. Transportation Sector Energy Use by Fuel Type Within a Mode
(Trillion Btu)

1/ Commercial trucks from 8,500 to 10,000 pounds.
2/ Does not include military distillate. Does not include commercial buses.
3/ Does not include passenger rail.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2000 and 2001 compressed natural gas volumes: Energy Information Administration (EIA), AEO2003 National Energy Modeling System run aeo2003.d110502c. Other 2000 and 2001 values derived using: EIA, Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002); EIA, Fuel Oil and Kerosene Sales 2001, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/fuel_oil_and_kerosene_sales/historical/foks.html; EIA, State Energy Data Report 1999, DOE/EIA-0214(99) (Washington, DC, May 2001); Oak Ridge National Laboratory, Transportation Energy Data Book: Edition 22 and Annual (Oak Ridge, TN, September 2002); Department of Defense, Defense Fuel Supply Center; and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 35. Light-Duty Vehicle Energy Consumption by Technology Type and Fuel Type
(Trillion Btu)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Light-Duty Consumption by Technology Type													
Conventional Vehicles 1/													
Gasoline ICE Vehicles	14651.56	14815.60	15118.45	15288.78	15458.83	15730.43	16047.75	16379.47	16710.88	17038.99	17377.51	17677.99	17968.45
TDI Diesel ICE	121.48	159.84	192.69	225.79	260.64	298.34	336.99	373.79	414.46	454.69	494.83	532.13	568.66
Alternative-Fuel Vehicles													
Alcohol Fuel Technology													
Methanol-Flex Fuel ICE	0.80	0.72	0.63	0.51	0.45	0.37	0.36	0.34	0.32	0.30	0.28	0.26	0.23
Methanol ICE	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-Flex Fuel ICE	135.41	226.85	315.76	402.62	487.03	568.10	645.34	721.95	798.08	872.30	946.74	1017.51	1084.21
Ethanol ICE	0.27	0.36	0.45	0.53	0.61	0.71	0.81	0.91	1.01	1.11	1.23	1.34	1.46
Total Alcohol	136.49	227.94	316.85	403.65	488.09	569.18	646.51	723.20	799.41	873.71	948.26	1019.11	1085.90
Natural Gas Technology													
Compressed Natural Gas ICE	0.25	0.27	0.29	0.31	0.33	0.34	0.36	0.37	0.40	0.41	0.43	0.44	0.45
Compressed Natural Gas Bi-fuel	10.32	16.03	21.45	27.03	32.48	37.51	40.78	44.06	47.26	50.40	53.64	56.72	59.59
Liquefied Petroleum Gas ICE	1.25	1.35	1.47	1.56	1.63	1.72	1.81	1.91	2.03	2.16	2.31	2.46	2.64
Liquefied Petroleum Gas Bi-fuel	15.38	36.54	56.72	77.52	98.13	116.89	129.86	141.90	153.68	165.32	177.27	188.70	199.40
Total Natural Gas Technology	27.20	54.19	79.93	106.42	132.57	156.47	172.81	188.25	203.37	218.29	233.65	248.32	262.07
Electric Technology													
Electric Vehicle	0.70	1.32	1.90	2.48	2.98	3.58	4.09	4.63	5.27	6.10	6.96	8.06	9.16
Electric-Diesel Hybrid	0.18	0.35	0.56	0.82	1.18	1.56	1.99	2.85	5.06	7.26	9.69	12.58	15.36
Electric-Gasoline Hybrid	3.18	9.66	18.74	32.48	53.91	75.85	103.84	145.66	208.07	267.41	329.46	399.39	464.08
Total Electricity	4.06	11.34	21.21	35.78	58.08	81.00	109.92	153.13	218.39	280.77	346.12	420.03	488.59
Fuel Cell Technology													
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.05	0.07	0.11	0.16	0.24
Total Fuel Cell	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.05	0.07	0.11	0.16	0.24
Light-Duty Consumption by Fuel Type 1/													
Motor Gasoline	14794.47	15035.10	15416.13	15661.78	15913.59	16271.99	16695.25	17150.77	17625.86	18091.92	18569.89	19013.85	19438.40
Distillate (diesel)	121.48	159.84	192.69	225.79	260.64	298.34	336.99	373.79	414.46	454.69	494.83	532.13	568.66
Methanol	0.80	0.64	0.48	0.28	0.15	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Ethanol	6.99	29.55	50.88	72.63	93.78	108.06	111.44	111.46	111.46	111.70	112.83	113.80	114.41
Compressed Natural Gas	10.34	15.62	20.63	26.29	31.47	36.17	38.52	40.86	43.12	45.34	47.75	50.01	52.08
Liquefied Petroleum Gas	16.61	36.74	55.98	75.79	95.33	112.36	118.04	121.37	124.52	127.84	131.78	135.40	138.71
Electricity	0.70	1.32	1.90	2.48	2.98	3.58	4.09	4.63	5.27	6.10	6.96	8.06	9.16
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.05	0.07	0.11	0.16	0.24

Table 35. Light-Duty Vehicle Energy Consumption by Technology Type and Fuel Type
(Trillion Btu)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Light-Duty Consumption by Technology Type														
Conventional Vehicles 1/														
Gasoline ICE Vehicles	18255.19	18496.41	18723.34	18948.31	19153.27	19376.88	19626.05	19823.30	20019.20	20238.19	20497.40	20787.53	21056.09	1.5%
TDI Diesel ICE	604.77	640.71	674.22	706.19	743.24	776.88	811.34	844.03	871.80	899.19	928.30	959.50	991.95	7.9%
Alternative-Fuel Vehicles														
Alcohol Fuel Technology														
Methanol-Flex Fuel ICE	0.21	0.19	0.17	0.14	0.12	0.11	0.09	0.10	0.08	0.07	0.06	0.05	0.04	-10.9%
Methanol ICE	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	5.1%
Ethanol-Flex Fuel ICE	1148.05	1207.82	1264.28	1316.66	1365.16	1411.59	1457.16	1496.42	1531.84	1566.96	1603.17	1640.64	1674.54	8.7%
Ethanol ICE	1.58	1.72	1.85	1.99	2.14	2.30	2.47	2.64	2.81	2.99	3.19	3.39	3.59	10.0%
Total Alcohol	1149.85	1209.72	1266.30	1318.79	1367.42	1413.99	1459.72	1499.15	1534.74	1570.03	1606.41	1644.08	1678.18	8.7%
Natural Gas Technology														
Compressed Natural Gas ICE	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.47	0.47	2.3%
Compressed Natural Gas Bi-fuel	62.34	64.99	67.50	69.82	71.97	73.96	75.85	77.46	78.82	80.17	81.52	82.94	84.24	7.2%
Liquefied Petroleum Gas ICE	2.84	3.05	3.29	3.54	3.81	4.12	4.45	4.78	5.13	5.49	5.87	6.26	6.66	6.9%
Liquefied Petroleum Gas Bi-fuel	209.67	219.57	228.90	237.54	245.50	252.84	259.80	265.74	270.79	275.73	280.69	285.82	290.51	9.0%
Total Natural Gas Technology	275.29	288.07	300.13	311.36	321.73	331.36	340.55	348.44	355.20	361.85	368.55	375.48	381.87	8.5%
Electric Technology														
Electric Vehicle	10.13	11.30	12.49	13.63	15.25	16.91	18.47	20.62	22.80	24.88	26.94	28.98	30.86	14.0%
Electric-Diesel Hybrid	18.29	22.04	25.82	29.22	33.76	38.41	43.15	48.50	53.51	58.42	63.34	68.63	73.83	24.9%
Electric-Gasoline Hybrid	528.86	600.31	671.74	734.36	804.71	874.04	942.31	1010.26	1076.61	1141.73	1206.18	1270.14	1329.78	22.8%
Total Electricity	557.29	633.65	710.06	777.20	853.72	929.36	1003.92	1079.39	1152.92	1225.03	1296.46	1367.75	1434.47	22.3%
Fuel Cell Technology														
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell Hydrogen	0.34	0.42	0.49	0.56	0.62	0.69	0.79	0.88	0.99	1.16	1.37	1.65	2.03	N/A
Total Fuel Cell	0.34	0.42	0.49	0.56	0.62	0.69	0.79	0.88	0.99	1.16	1.37	1.66	2.03	N/A
Light-Duty Consumption by Fuel Type 1/														
Motor Gasoline	19856.21	20229.87	20585.51	20925.75	21249.19	21588.55	21951.80	22256.78	22555.02	22874.16	23233.65	23624.46	23984.47	2.0%
Distillate (diesel)	604.77	640.71	674.22	706.19	743.24	776.88	811.34	844.03	871.80	899.19	928.30	959.50	991.95	7.9%
Methanol	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-20.7%
Ethanol	115.07	116.15	117.26	118.25	119.08	119.50	119.66	119.31	118.59	118.02	117.49	117.28	117.09	5.9%
Compressed Natural Gas	54.06	56.02	57.86	59.56	61.14	62.56	63.90	64.99	65.85	66.72	67.60	68.54	69.40	6.4%
Liquefied Petroleum Gas	141.68	145.03	148.11	151.14	154.23	156.70	158.74	160.13	160.89	161.99	163.20	164.42	166.50	6.5%
Electricity	10.13	11.30	12.49	13.63	15.25	16.91	18.47	20.62	22.80	24.88	26.94	28.98	30.86	14.0%
Liquid Hydrogen	0.34	0.42	0.49	0.56	0.62	0.69	0.79	0.88	0.99	1.16	1.37	1.65	2.03	N/A

Table 35. Light-Duty Vehicle Energy Consumption by Technology Type and Fuel Type
(Trillion Btu)

1/ Includes personal vehicles and fleet vehicles. Includes both cars and trucks.
Btu = British thermal unit.
ICE = Internal combustion engine.
N/A = Not applicable.
Source: Energy Information Administration, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 36. Light-Duty Vehicle Sales by Technology Type
(Thousands)
New England

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
New Car Sales 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	419.5	399.2	387.3	391.4	384.4	366.9	369.7	373.7	317.4	317.5	326.2	321.9	320.2
TDI Diesel ICE	0.9	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Total Conventional	420.4	400.0	388.2	392.3	385.2	367.7	370.5	374.4	318.1	318.2	327.0	322.7	321.0
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	10.2	23.8	22.9	23.1	22.6	21.3	21.6	22.1	21.8	21.9	22.7	22.8	22.7
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electric Vehicle	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.4	0.8	1.5
Electric-Diesel Hybrid	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.4	2.8	3.0	3.3	3.6	3.7
Electric-Gasoline Hybrid	1.8	4.0	5.5	8.2	12.6	12.4	15.3	18.2	68.3	69.5	72.0	76.2	76.1
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compressed Natural Gas Bi-fuel	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liquefied Petroleum Gas Bi-fuel	2.1	2.3	2.2	2.2	2.1	2.0	2.0	2.0	1.9	1.8	1.9	1.9	1.9
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2
Total Alternatives	15.0	31.1	31.6	34.5	38.4	36.8	40.1	43.6	95.7	97.2	101.0	106.0	106.6
Percent Alternative Car Sales	3.44	7.22	7.52	8.08	9.07	9.09	9.75	10.43	23.12	23.39	23.60	24.73	24.93
Total New Car Sales	435.4	431.1	419.8	426.8	423.7	404.5	410.6	418.0	413.8	415.4	428.0	428.7	427.7
New Light Truck Sales 2/													
Conventional Vehicles													
Gasoline ICE Vehicles	340.9	309.5	301.7	310.0	312.0	301.6	308.4	317.6	295.1	298.2	309.5	310.5	310.9
TDI Diesel ICE	17.9	29.0	28.5	30.5	29.2	28.4	28.1	26.0	26.4	26.2	26.9	25.8	26.4
Total Conventional	358.8	338.5	330.2	340.4	341.2	330.1	336.5	343.6	321.5	324.4	336.4	336.3	337.3
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	11.5	27.8	26.8	28.0	28.0	26.8	27.9	28.9	28.7	29.2	30.6	30.9	31.0
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Electric Vehicle	0.1	0.2	0.2	0.2	0.2	0.6	0.9	1.3	1.5	2.0	1.9	2.3	1.7
Electric-Diesel Hybrid	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.8	0.8	0.9	1.0	1.1
Electric-Gasoline Hybrid	1.1	2.1	3.0	5.1	8.0	7.9	10.3	12.6	33.6	34.2	35.2	37.4	37.7
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compressed Natural Gas Bi-fuel	1.3	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liquefied Petroleum Gas Bi-fuel	4.3	4.9	4.8	5.0	5.0	4.9	5.0	5.2	5.2	5.2	5.4	5.4	5.5
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total Alternatives	18.5	36.6	36.5	39.9	42.9	42.0	45.8	49.8	71.5	73.1	75.8	78.9	78.8
Percent Alternative Light Truck Sales	4.91	9.75	9.95	10.50	11.17	11.28	11.99	12.67	18.20	18.39	18.39	19.00	18.94

Table 36. Light-Duty Vehicle Sales by Technology Type
(Thousands)
New England

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total New Truck Sales	377.3	375.0	366.7	380.4	384.1	372.0	382.4	393.4	393.0	397.5	412.2	415.2	416.1
Percent Total Alternative Sales	4.12	8.40	8.65	9.22	10.07	10.14	10.83	11.51	20.72	20.95	21.05	21.91	21.98
EPACT Legislative Alternative Sales	10.80	12.89	12.51	12.83	12.82	12.30	12.53	12.78	12.67	12.71	13.09	13.17	13.18
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	42.68	81.24	121.88	159.48	162.67	168.71	175.65	176.77
Total Vehicles Sales	812.7	806.2	786.4	807.1	807.7	776.5	792.9	811.4	806.8	812.9	840.2	843.9	843.8

Table 36. Light-Duty Vehicle Sales by Technology Type
(Thousands)
New England

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
New Car Sales 1/														
Conventional Vehicles														
Gasoline ICE Vehicles	321.7	323.5	327.0	327.4	314.6	309.7	310.9	296.0	289.2	289.5	288.2	290.8	288.5	-1.3%
TDI Diesel ICE	0.8	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	1.0	1.0	1.1	1.1	1.3%
Total Conventional	322.6	324.4	327.9	328.3	315.5	310.6	311.8	296.9	290.2	290.5	289.2	291.9	289.6	-1.3%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.9%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.5%
Ethanol-Flex Fuel ICE	22.8	23.5	23.9	23.9	23.7	23.4	23.5	23.2	22.7	22.7	22.6	22.9	22.6	-0.2%
Ethanol ICE	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	6.5%
Electric Vehicle	1.9	3.3	3.9	3.9	6.0	6.1	5.8	8.2	8.2	7.8	7.6	7.5	7.1	18.4%
Electric-Diesel Hybrid	3.9	4.7	4.9	4.9	5.9	6.0	6.1	7.3	7.0	6.9	6.8	7.3	7.4	19.6%
Electric-Gasoline Hybrid	76.3	81.2	83.2	83.0	90.0	90.1	90.3	97.7	97.8	97.9	97.1	98.2	96.6	14.2%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6%
Compressed Natural Gas Bi-fuel	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	-0.8%
Liquefied Petroleum Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-6.7%
Liquefied Petroleum Gas Bi-fuel	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.9	-0.9%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.2	0.2	0.1	0.2	0.1	0.2	0.3	0.2	0.3	0.4	0.4	0.6	0.7	N/A
Total Alternatives	107.8	115.4	118.6	118.6	128.3	128.3	128.5	139.2	138.5	138.3	137.0	139.1	136.9	6.4%
Percent Alternative Car Sales	25.04	26.24	26.56	26.54	28.91	29.24	29.19	31.91	32.31	32.25	32.14	32.27	32.09	6.4%
Total New Car Sales	430.3	439.7	446.5	446.9	443.9	438.9	440.4	436.1	428.7	428.7	426.2	431.0	426.5	0.0%
New Light Truck Sales 2/														
Conventional Vehicles														
Gasoline ICE Vehicles	314.3	319.9	325.2	326.3	320.4	317.3	318.4	310.6	305.3	305.3	303.4	305.2	300.5	-0.1%
TDI Diesel ICE	27.1	28.1	28.6	28.7	28.4	27.7	28.1	28.2	27.1	26.8	26.6	28.1	29.4	0.1%
Total Conventional	341.4	347.9	353.8	355.1	348.8	345.0	346.6	338.8	332.4	332.1	330.0	333.3	329.9	-0.1%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.7%
Ethanol-Flex Fuel ICE	31.3	32.3	33.1	33.3	33.1	32.7	32.9	32.5	31.9	32.0	31.8	32.2	31.6	0.5%
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	7.1%
Electric Vehicle	1.1	0.7	0.5	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9%
Electric-Diesel Hybrid	1.2	1.5	1.5	1.6	2.0	2.0	2.0	2.4	2.3	2.3	2.3	2.5	2.5	17.0%
Electric-Gasoline Hybrid	38.0	41.0	42.3	42.4	46.5	46.6	46.8	50.9	50.8	51.0	50.8	51.4	50.7	14.3%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7%
Compressed Natural Gas Bi-fuel	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.5%
Liquefied Petroleum Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.2%
Liquefied Petroleum Gas Bi-fuel	5.5	5.7	5.8	5.8	5.8	5.7	5.7	5.7	5.6	5.6	5.5	5.6	5.6	0.5%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.4	0.6	0.7	N/A
Total Alternatives	79.0	83.1	85.1	85.3	89.5	89.2	89.7	93.7	92.8	93.3	92.8	94.3	93.2	4.0%
Percent Alternative Light Truck Sales	18.78	19.27	19.38	19.36	20.43	20.54	20.56	21.67	21.83	21.93	21.95	22.05	22.03	3.5%

Table 36. Light-Duty Vehicle Sales by Technology Type
(Thousands)
New England

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total New Truck Sales	420.4	431.0	438.9	440.3	438.3	434.2	436.3	432.6	425.3	425.3	422.8	427.5	423.1	0.5%
Percent Total Alternative Sales	21.95	22.79	23.00	22.98	24.70	24.91	24.90	26.81	27.09	27.11	27.07	27.18	27.08	5.0%
EPACT Legislative Alternative Sales	13.30	13.63	13.87	13.91	13.84	13.70	13.77	13.65	13.42	13.42	13.34	13.49	13.35	0.1%
ZEVP Legislative Alternative Sales	178.36	189.09	194.08	194.68	206.27	205.99	207.08	218.40	216.59	216.90	215.89	219.64	217.64	N/A
Total Vehicles Sales	850.7	870.7	885.4	887.2	882.2	873.1	876.6	868.6	854.0	854.1	849.0	858.5	849.6	0.2%

Table 36. Light-Duty Vehicle Sales by Technology Type
(Thousands)
New England

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.
Sources: 2001 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 37. Light-Duty Vehicle Sales by Technology Type
(Thousands)
Middle Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
New Car Sales 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	1225.1	1151.0	1106.2	1109.5	1083.0	1028.9	1033.0	1040.6	948.7	1022.3	1047.5	961.2	1036.5
TDI Diesel ICE	2.4	2.2	2.2	2.3	2.2	2.2	2.2	2.0	2.1	2.1	2.2	2.1	2.2
Total Conventional	1227.5	1153.2	1108.4	1111.7	1085.3	1031.1	1035.2	1042.6	950.8	1024.3	1049.7	963.3	1038.6
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	29.7	68.8	65.4	65.4	63.8	59.9	60.5	61.5	60.4	60.5	62.7	62.7	62.3
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electric Vehicle	0.3	0.4	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.6	1.0	1.8
Electric-Diesel Hybrid	0.3	0.3	0.3	0.4	0.6	0.6	0.7	1.2	5.1	2.3	2.6	6.5	2.9
Electric-Gasoline Hybrid	5.2	11.3	15.4	22.9	35.3	34.5	42.4	50.3	124.2	54.6	57.9	138.6	60.3
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
Compressed Natural Gas Bi-fuel	1.7	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.4
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Liquefied Petroleum Gas Bi-fuel	6.0	6.7	6.3	6.2	6.0	5.6	5.5	5.4	5.2	5.1	5.1	5.1	5.1
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.4	0.7	0.9
Total Alternatives	43.4	89.4	89.7	97.2	107.9	102.7	111.4	120.7	197.3	124.9	131.0	216.3	134.9
Percent Alternative Car Sales	3.42	7.20	7.49	8.04	9.04	9.06	9.71	10.38	17.18	10.86	11.10	18.34	11.50
Total New Car Sales	1270.9	1242.6	1198.2	1208.9	1193.2	1133.8	1146.6	1163.4	1148.1	1149.2	1180.7	1179.6	1173.6
New Light Truck Sales 2/													
Conventional Vehicles													
Gasoline ICE Vehicles	1000.1	900.0	867.9	885.1	881.8	848.0	863.9	886.9	854.3	886.2	915.7	893.1	919.0
TDI Diesel ICE	47.5	75.1	74.4	79.0	79.1	77.7	76.7	70.4	71.5	71.0	72.5	69.6	71.0
Total Conventional	1047.6	975.1	942.3	964.1	960.9	925.7	940.5	957.3	925.8	957.2	988.2	962.8	990.0
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	33.7	80.7	77.2	79.8	79.1	75.4	78.1	80.7	79.9	80.8	84.5	85.2	85.1
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electric Vehicle	0.4	0.5	0.4	0.5	0.5	1.3	1.8	2.6	3.0	3.8	3.6	4.3	3.5
Electric-Diesel Hybrid	0.2	0.2	0.2	0.3	0.4	0.4	0.4	0.5	1.5	0.9	1.0	1.9	1.2
Electric-Gasoline Hybrid	3.1	5.9	8.5	14.1	22.2	22.1	28.5	34.9	61.2	37.8	40.0	68.2	41.9
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compressed Natural Gas Bi-fuel	3.8	4.3	4.1	4.3	4.3	4.1	4.2	4.3	4.3	4.3	4.5	4.5	4.5
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Liquefied Petroleum Gas Bi-fuel	12.5	14.2	13.7	14.1	14.2	13.7	14.0	14.4	14.3	14.4	14.9	15.0	15.0
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3
Total Alternatives	53.9	105.8	104.3	113.3	120.8	117.2	127.2	137.5	164.4	142.4	148.9	179.5	151.8
Percent Alternative Light Truck Sales	4.90	9.79	9.97	10.51	11.17	11.24	11.92	12.56	15.08	12.95	13.09	15.71	13.30

Table 37. Light-Duty Vehicle Sales by Technology Type
(Thousands)
Middle Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total New Truck Sales	1101.5	1080.9	1046.6	1077.4	1081.7	1042.9	1067.8	1094.9	1090.2	1099.6	1137.1	1142.2	1141.8
Percent Total Alternative Sales	4.10	8.40	8.65	9.20	10.05	10.10	10.77	11.44	16.16	11.88	12.08	17.05	12.38
EPACT Legislative Alternative Sales	31.53	37.16	35.72	36.35	36.11	34.48	34.99	35.57	35.14	35.17	36.10	36.22	36.17
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	77.69	147.83	221.75	290.12	295.89	306.84	319.43	321.44
Total Vehicles Sales	2372.4	2323.6	2244.8	2286.3	2274.8	2176.7	2214.3	2258.2	2238.3	2248.8	2317.8	2321.8	2315.4

Table 37. Light-Duty Vehicle Sales by Technology Type
(Thousands)
Middle Atlantic

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
New Car Sales 1/														
Conventional Vehicles														
Gasoline ICE Vehicles	1037.7	965.3	974.3	1061.7	943.9	928.1	928.8	895.6	874.9	872.9	866.0	871.9	861.6	-1.2%
TDI Diesel ICE	2.2	2.4	2.4	2.5	2.5	2.4	2.5	2.5	2.5	2.5	2.6	2.8	3.0	1.2%
Total Conventional	1039.9	967.7	976.7	1064.1	946.4	930.5	931.3	898.1	877.4	875.4	868.6	874.7	864.7	-1.2%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.3%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.3%
Ethanol-Flex Fuel ICE	62.6	64.1	65.2	65.1	64.3	63.3	63.4	62.5	61.0	60.9	60.3	61.1	60.1	-0.6%
Ethanol ICE	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	3.8%
Electric Vehicle	2.4	4.8	6.5	6.9	10.7	11.1	10.6	15.0	15.1	14.4	14.2	14.0	13.4	16.4%
Electric-Diesel Hybrid	3.2	8.4	8.8	3.9	10.7	10.8	11.0	13.1	12.6	12.4	12.3	13.3	13.4	17.7%
Electric-Gasoline Hybrid	61.9	147.7	151.2	66.5	163.6	163.7	164.1	177.6	177.7	178.0	176.4	178.5	175.4	12.1%
Compressed Natural Gas ICE	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.1%
Compressed Natural Gas Bi-fuel	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	-1.2%
Liquefied Petroleum Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.5%
Liquefied Petroleum Gas Bi-fuel	5.1	5.2	5.3	5.3	5.2	5.1	5.2	5.1	5.0	5.0	4.9	5.0	4.9	-1.3%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	1.2	1.0	0.6	0.6	0.4	0.4	0.5	0.4	0.5	0.6	0.7	0.9	1.1	N/A
Total Alternatives	137.9	232.9	239.3	149.9	256.7	256.2	256.5	275.4	273.6	273.0	270.5	274.5	270.0	4.7%
Percent Alternative Car Sales	11.71	19.40	19.68	12.35	21.33	21.59	21.60	23.47	23.77	23.77	23.75	23.88	23.80	5.1%
Total New Car Sales	1177.9	1200.6	1216.0	1214.1	1203.1	1186.7	1187.8	1173.5	1151.0	1148.5	1139.1	1149.2	1134.7	-0.4%
New Light Truck Sales 2/														
Conventional Vehicles														
Gasoline ICE Vehicles	925.2	913.5	927.0	959.0	912.8	902.3	903.3	883.8	867.1	865.0	857.4	860.7	845.7	-0.3%
TDI Diesel ICE	72.3	74.8	76.0	76.5	75.6	73.4	74.4	74.5	71.5	70.6	70.2	74.2	77.5	0.1%
Total Conventional	997.6	988.4	1003.0	1035.4	988.4	975.7	977.7	958.3	938.6	935.6	927.6	934.9	923.3	-0.2%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.1%
Ethanol-Flex Fuel ICE	86.0	88.5	90.4	90.6	89.9	88.7	88.9	87.7	85.8	85.8	85.1	85.9	84.2	0.2%
Ethanol ICE	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	4.8%
Electric Vehicle	2.3	1.9	1.2	0.8	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5%
Electric-Diesel Hybrid	1.3	2.6	2.8	1.7	3.5	3.5	3.6	4.4	4.1	4.1	4.1	4.5	4.6	15.1%
Electric-Gasoline Hybrid	43.1	74.7	77.0	46.8	84.7	84.8	85.2	92.6	92.5	92.9	92.4	93.5	92.3	12.2%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3%
Compressed Natural Gas Bi-fuel	4.5	4.7	4.7	4.7	4.7	4.6	4.7	4.6	4.5	4.5	4.5	4.5	4.4	0.2%
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8%
Liquefied Petroleum Gas Bi-fuel	15.1	15.4	15.7	15.7	15.6	15.4	15.4	15.3	15.0	14.9	14.8	15.0	14.8	0.2%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.4	0.4	0.3	0.3	0.2	0.2	0.4	0.3	0.4	0.5	0.6	0.9	1.1	N/A
Total Alternatives	153.0	188.4	192.3	160.9	199.6	198.2	199.1	205.8	203.2	203.7	202.4	205.1	202.4	2.7%
Percent Alternative Light Truck Sales	13.29	16.01	16.09	13.45	16.80	16.89	16.92	17.68	17.80	17.88	17.91	17.99	17.98	2.6%

Table 37. Light-Duty Vehicle Sales by Technology Type
(Thousands)
Middle Atlantic

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total New Truck Sales	1150.5	1176.7	1195.3	1196.3	1188.0	1173.9	1176.8	1164.1	1141.8	1139.3	1130.0	1140.0	1125.6	0.2%
Percent Total Alternative Sales	12.49	17.72	17.90	12.90	19.08	19.25	19.27	20.59	20.80	20.84	20.84	20.95	20.90	3.9%
EPACT Legislative Alternative Sales	36.42	37.22	37.78	37.79	37.51	37.05	37.13	36.72	36.02	35.94	35.65	35.96	35.51	-0.2%
ZEVP Legislative Alternative Sales	324.33	343.82	352.88	353.95	375.01	374.49	376.46	397.03	393.75	394.31	392.47	399.29	395.65	N/A
Total Vehicles Sales	2328.4	2377.3	2411.4	2410.4	2391.1	2360.6	2364.7	2337.6	2292.8	2287.8	2269.1	2289.2	2260.3	-0.1%

Table 37. Light-Duty Vehicle Sales by Technology Type
(Thousands)
Middle Atlantic

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.
Sources: 2001 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 38. Light-Duty Vehicle Sales by Technology Type
(Thousands)
East North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
New Car Sales 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	1432.0	1341.2	1287.8	1291.0	1260.9	1199.3	1205.9	1216.7	1198.1	1198.4	1229.8	1228.3	1221.8
TDI Diesel ICE	3.1	3.0	2.7	2.8	2.8	2.7	2.8	2.6	2.7	2.7	2.8	2.7	2.8
Total Conventional	1435.1	1344.2	1290.5	1293.8	1263.6	1202.0	1208.7	1219.3	1200.8	1201.1	1232.6	1231.0	1224.6
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	34.7	80.1	76.1	76.1	74.3	69.8	70.6	71.8	70.7	70.9	73.6	73.6	73.2
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Electric Vehicle	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Electric-Diesel Hybrid	0.4	0.4	0.4	0.5	0.7	0.7	0.9	1.5	2.7	2.9	3.3	3.5	3.7
Electric-Gasoline Hybrid	6.1	13.4	18.0	26.6	41.1	40.2	49.6	59.0	61.8	64.1	68.0	69.7	71.0
Compressed Natural Gas ICE	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compressed Natural Gas Bi-fuel	2.0	2.2	2.0	2.0	2.0	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7
Liquefied Petroleum Gas ICE	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0
Liquefied Petroleum Gas Bi-fuel	7.1	7.8	7.3	7.2	7.0	6.5	6.4	6.4	6.1	6.0	6.0	6.0	6.0
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Alternatives	50.8	104.4	104.5	113.1	125.6	119.5	129.8	141.0	143.6	146.1	153.2	155.1	156.1
Percent Alternative Car Sales	3.42	7.21	7.49	8.04	9.04	9.05	9.70	10.37	10.68	10.85	11.05	11.19	11.31
Total New Car Sales	1485.9	1448.6	1395.0	1406.9	1389.2	1321.5	1338.5	1360.4	1344.4	1347.2	1385.8	1386.1	1380.7
New Light Truck Sales 2/													
Conventional Vehicles													
Gasoline ICE Vehicles	1160.9	1033.9	1005.3	1024.6	1020.8	983.1	1000.6	1030.5	1023.6	1033.1	1068.8	1077.7	1075.9
TDI Diesel ICE	64.1	104.1	92.2	97.9	98.5	97.6	99.8	92.2	93.9	93.7	95.6	92.0	93.6
Total Conventional	1225.0	1137.9	1097.5	1122.5	1119.3	1080.6	1100.4	1122.8	1117.4	1126.9	1164.4	1169.7	1169.4
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	39.2	92.8	89.4	92.4	91.6	87.3	90.4	93.5	92.8	93.9	98.3	99.3	99.4
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
Electric Vehicle	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6
Electric-Diesel Hybrid	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6	1.1	1.2	1.3	1.4	1.5
Electric-Gasoline Hybrid	3.6	6.9	9.8	16.4	25.8	25.7	33.2	40.7	42.7	44.3	46.8	48.0	49.2
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compressed Natural Gas Bi-fuel	4.4	5.0	4.8	5.0	5.0	4.8	4.9	5.1	5.0	5.1	5.3	5.3	5.3
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Liquefied Petroleum Gas Bi-fuel	14.6	16.5	16.0	16.4	16.5	15.9	16.4	16.8	16.7	16.9	17.5	17.6	17.6
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Alternatives	62.8	122.2	121.0	131.3	140.1	135.0	146.1	157.5	159.1	162.1	170.1	172.6	173.9
Percent Alternative Light Truck Sales	4.88	9.69	9.93	10.47	11.12	11.10	11.72	12.30	12.47	12.58	12.75	12.86	12.94

Table 38. Light-Duty Vehicle Sales by Technology Type
(Thousands)
East North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total New Truck Sales	1287.9	1260.1	1218.5	1253.9	1259.4	1215.6	1246.5	1280.2	1276.6	1289.0	1334.5	1342.2	1343.3
Percent Total Alternative Sales	4.10	8.37	8.63	9.19	10.03	10.03	10.67	11.30	11.55	11.69	11.88	12.01	12.11
EPACT Legislative Alternative Sales	36.86	43.32	41.59	42.31	42.05	40.19	40.85	41.60	41.15	41.23	42.37	42.57	42.56
ZEVP Legislative Alternative Sales	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 Vehicles Sales	2773.8	2708.7	2613.5	2660.8	2648.6	2537.1	2585.0	2640.6	2621.0	2636.2	2720.3	2728.3	2724.0

Table 38. Light-Duty Vehicle Sales by Technology Type
(Thousands)
East North Central

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
New Car Sales 1/														
Conventional Vehicles														
Gasoline ICE Vehicles	1225.7	1248.4	1263.9	1263.1	1252.4	1236.9	1239.2	1225.3	1203.6	1202.1	1193.4	1204.7	1190.3	-0.5%
TDI Diesel ICE	2.9	3.0	3.1	3.2	3.3	3.3	3.4	3.4	3.4	3.4	3.6	3.7	4.0	1.2%
Total Conventional	1228.6	1251.5	1267.0	1266.3	1255.7	1240.1	1242.5	1228.8	1206.9	1205.6	1197.0	1208.4	1194.3	-0.5%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.2%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.8%
Ethanol-Flex Fuel ICE	73.7	75.6	76.9	76.9	76.1	74.9	75.2	74.2	72.5	72.4	71.8	72.8	71.6	-0.5%
Ethanol ICE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.9%
Electric Vehicle	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	-1.2%
Electric-Diesel Hybrid	4.0	4.6	4.9	4.9	5.6	5.5	5.7	6.2	5.8	5.8	5.7	6.1	6.1	12.7%
Electric-Gasoline Hybrid	72.9	75.9	78.5	78.7	78.1	77.2	77.4	76.3	75.1	75.1	74.6	75.2	74.5	7.4%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.9%
Compressed Natural Gas Bi-fuel	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	-1.1%
Liquefied Petroleum Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.8%
Liquefied Petroleum Gas Bi-fuel	6.0	6.1	6.2	6.2	6.2	6.1	6.1	6.0	5.9	5.9	5.9	5.9	5.9	-1.2%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	158.8	164.5	168.8	169.0	168.3	166.1	166.7	165.0	161.6	161.5	160.3	162.2	160.4	1.8%
Percent Alternative Car Sales	11.45	11.62	11.76	11.78	11.82	11.81	11.83	11.84	11.81	11.81	11.81	11.84	11.84	2.1%
Total New Car Sales	1387.4	1416.0	1435.9	1435.3	1424.0	1406.2	1409.2	1393.8	1368.6	1367.0	1357.3	1370.7	1354.8	-0.3%
New Light Truck Sales 2/														
Conventional Vehicles														
Gasoline ICE Vehicles	1083.7	1106.6	1123.8	1124.9	1114.9	1104.3	1107.1	1095.3	1077.9	1076.6	1067.7	1077.2	1059.5	0.1%
TDI Diesel ICE	94.8	98.2	99.6	100.8	103.6	101.4	102.9	103.2	99.2	98.9	99.4	101.1	105.5	0.1%
Total Conventional	1178.5	1204.8	1223.4	1225.7	1218.5	1205.7	1210.0	1198.5	1177.1	1175.5	1167.1	1178.3	1165.0	0.1%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3%
Ethanol-Flex Fuel ICE	100.5	103.5	105.9	106.2	105.2	103.9	104.3	102.9	100.9	100.9	100.0	101.3	99.5	0.3%
Ethanol ICE	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	4.0%
Electric Vehicle	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.3%
Electric-Diesel Hybrid	1.7	2.0	2.1	2.2	2.5	2.5	2.6	2.8	2.6	2.6	2.6	2.8	2.9	11.6%
Electric-Gasoline Hybrid	50.6	52.9	55.0	55.2	55.0	54.3	54.5	53.8	52.9	53.0	52.7	53.1	52.7	8.8%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.5%
Compressed Natural Gas Bi-fuel	5.4	5.5	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.3	5.4	5.3	0.3%
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.7%
Liquefied Petroleum Gas Bi-fuel	17.8	18.2	18.5	18.6	18.4	18.3	18.3	18.1	17.8	17.8	17.7	17.8	17.6	0.3%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	176.7	183.1	188.0	188.6	187.6	185.4	186.2	184.1	180.5	180.6	179.3	181.4	179.0	1.6%
Percent Alternative Light Truck Sales	13.04	13.19	13.32	13.34	13.34	13.33	13.33	13.32	13.30	13.32	13.32	13.34	13.32	1.3%

Table 38. Light-Duty Vehicle Sales by Technology Type
(Thousands)
East North Central

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total New Truck Sales	1355.3	1387.8	1411.5	1414.3	1406.1	1391.1	1396.2	1382.7	1357.6	1356.1	1346.4	1359.7	1344.0	0.3%
Percent Total Alternative Sales	12.23	12.40	12.53	12.55	12.58	12.57	12.58	12.57	12.55	12.56	12.56	12.59	12.58	1.7%
EPACT Legislative Alternative Sales	42.90	43.89	44.61	44.68	44.40	43.91	44.05	43.62	42.83	42.78	42.47	42.89	42.39	-0.1%
ZEVP Legislative Alternative Sales	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
Total Vehicles Sales	2742.7	2803.8	2847.3	2849.6	2830.1	2797.4	2805.4	2776.4	2726.2	2723.2	2703.7	2730.4	2698.7	0.0%

Table 38. Light-Duty Vehicle Sales by Technology Type
(Thousands)
East North Central

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.
Sources: 2001 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 39. Light-Duty Vehicle Sales by Technology Type
(Thousands)
West North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
New Car Sales 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	584.3	554.6	537.6	543.1	533.5	509.5	513.9	519.9	513.4	515.0	529.9	530.6	529.1
TDI Diesel ICE	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.2
Total Conventional	585.5	555.7	538.7	544.2	534.6	510.6	515.0	521.0	514.5	516.1	531.1	531.7	530.2
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	14.1	33.1	31.8	32.0	31.4	29.6	30.1	30.7	30.3	30.5	31.7	31.8	31.7
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electric Vehicle	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electric-Diesel Hybrid	0.2	0.1	0.2	0.2	0.3	0.3	0.4	0.6	1.1	1.2	1.4	1.5	1.5
Electric-Gasoline Hybrid	2.5	5.5	7.4	11.1	17.2	17.0	21.0	25.0	26.3	27.4	29.1	29.9	30.6
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compressed Natural Gas Bi-fuel	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Liquefied Petroleum Gas Bi-fuel	2.9	3.2	3.1	3.0	3.0	2.8	2.7	2.7	2.6	2.6	2.6	2.6	2.6
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Alternatives	20.7	43.1	43.6	47.5	53.0	50.7	55.2	60.1	61.3	62.6	65.8	66.8	67.4
Percent Alternative Car Sales	3.42	7.20	7.49	8.03	9.02	9.03	9.68	10.34	10.65	10.82	11.02	11.16	11.28
Total New Car Sales	606.3	598.9	582.3	591.7	587.7	561.3	570.2	581.1	575.8	578.7	596.9	598.5	597.6
New Light Truck Sales 2/													
Conventional Vehicles													
Gasoline ICE Vehicles	475.3	430.4	420.9	432.3	434.2	419.9	428.5	442.2	440.6	445.7	462.6	467.5	467.9
TDI Diesel ICE	24.5	39.8	37.1	39.7	39.2	38.9	40.2	37.3	37.9	38.2	38.8	37.4	38.2
Total Conventional	499.8	470.2	458.0	472.0	473.3	458.8	468.7	479.5	478.5	483.9	501.4	504.9	506.1
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	16.0	38.6	37.4	39.0	38.9	37.3	38.7	40.1	39.9	40.5	42.5	43.1	43.2
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Electric Vehicle	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Electric-Diesel Hybrid	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.5	0.5	0.5	0.6	0.6
Electric-Gasoline Hybrid	1.5	2.8	4.1	6.9	10.9	10.8	14.1	17.3	18.2	18.9	20.1	20.7	21.2
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compressed Natural Gas Bi-fuel	1.8	2.1	2.0	2.1	2.1	2.0	2.1	2.2	2.2	2.2	2.3	2.3	2.3
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Liquefied Petroleum Gas Bi-fuel	6.0	6.8	6.7	6.9	7.0	6.8	7.0	7.2	7.2	7.3	7.5	7.6	7.6
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Alternatives	25.7	50.8	50.6	55.4	59.4	57.5	62.4	67.4	68.3	69.8	73.4	74.7	75.4
Percent Alternative Light Truck Sales	4.89	9.74	9.95	10.50	11.15	11.13	11.75	12.32	12.49	12.60	12.77	12.88	12.97

Table 39. Light-Duty Vehicle Sales by Technology Type
(Thousands)
West North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total New Truck Sales	525.5	520.9	508.6	527.4	532.8	516.3	531.0	546.9	546.8	553.7	574.8	579.6	581.5
Percent Total Alternative Sales	4.10	8.39	8.64	9.19	10.04	10.04	10.68	11.30	11.55	11.69	11.88	12.01	12.11
EPACT Legislative Alternative Sales	15.04	17.91	17.36	17.79	17.79	17.07	17.40	17.77	17.62	17.71	18.25	18.38	18.42
ZEVP Legislative Alternative Sales	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 Vehicles Sales	1131.7	1119.8	1090.9	1119.1	1120.4	1077.6	1101.3	1128.0	1122.6	1132.4	1171.6	1178.1	1179.1

Table 39. Light-Duty Vehicle Sales by Technology Type
(Thousands)
West North Central

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
New Car Sales 1/														
Conventional Vehicles														
Gasoline ICE Vehicles	532.1	543.1	551.1	551.8	548.2	542.5	544.5	539.4	530.8	531.0	528.0	533.9	528.4	-0.2%
TDI Diesel ICE	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.6	1.7	1.6%
Total Conventional	533.2	544.4	552.3	553.1	549.6	543.8	545.9	540.8	532.2	532.5	529.6	535.5	530.1	-0.2%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.9%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4%
Ethanol-Flex Fuel ICE	32.0	32.9	33.5	33.6	33.3	32.9	33.0	32.6	32.0	32.0	31.8	32.3	31.8	-0.2%
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.0%
Electric Vehicle	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-0.9%
Electric-Diesel Hybrid	1.7	1.9	2.0	2.1	2.3	2.3	2.4	2.6	2.5	2.5	2.4	2.6	2.6	13.1%
Electric-Gasoline Hybrid	31.5	32.8	34.0	34.2	34.0	33.7	33.8	33.4	33.0	33.0	32.9	33.2	32.9	7.8%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.1%
Compressed Natural Gas Bi-fuel	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.7	-0.8%
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.8%
Liquefied Petroleum Gas Bi-fuel	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	-0.9%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	68.7	71.3	73.4	73.6	73.4	72.6	73.0	72.4	71.0	71.1	70.7	71.7	71.0	2.1%
Percent Alternative Car Sales	11.41	11.58	11.73	11.74	11.78	11.78	11.80	11.80	11.78	11.78	11.78	11.81	11.81	2.1%
Total New Car Sales	601.9	615.7	625.7	626.7	623.0	616.5	618.9	613.2	603.2	603.6	600.2	607.2	601.1	0.0%
New Light Truck Sales 2/														
Conventional Vehicles														
Gasoline ICE Vehicles	472.5	483.5	492.1	493.6	490.2	486.5	488.6	484.3	477.4	477.6	474.4	479.4	472.4	0.4%
TDI Diesel ICE	38.7	40.2	40.8	41.5	42.8	41.9	42.6	42.9	41.3	41.2	41.6	42.4	44.4	0.5%
Total Conventional	511.2	523.7	533.0	535.1	533.0	528.4	531.3	527.2	518.7	518.9	516.0	521.8	516.7	0.4%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2%
Ethanol-Flex Fuel ICE	43.8	45.2	46.4	46.6	46.2	45.7	46.0	45.5	44.7	44.8	44.4	45.1	44.3	0.6%
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	5.1%
Electric Vehicle	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6%
Electric-Diesel Hybrid	0.7	0.8	0.9	0.9	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.2	1.2	12.0%
Electric-Gasoline Hybrid	21.9	22.9	23.9	24.0	24.0	23.8	23.9	23.6	23.3	23.3	23.3	23.5	23.4	9.2%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.9%
Compressed Natural Gas Bi-fuel	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.6%
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5%
Liquefied Petroleum Gas Bi-fuel	7.7	7.9	8.1	8.1	8.1	8.0	8.0	8.0	7.9	7.9	7.8	7.9	7.8	0.6%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	76.8	79.8	82.1	82.5	82.2	81.4	81.9	81.2	79.7	79.9	79.5	80.5	79.6	1.9%
Percent Alternative Light Truck Sales	13.07	13.22	13.35	13.36	13.37	13.35	13.36	13.34	13.32	13.34	13.34	13.37	13.34	1.3%

Table 39. Light-Duty Vehicle Sales by Technology Type
(Thousands)
West North Central

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total New Truck Sales	588.0	603.5	615.1	617.6	615.2	609.8	613.2	608.3	598.4	598.7	595.5	602.3	596.3	0.6%
Percent Total Alternative Sales	12.23	12.39	12.53	12.55	12.57	12.56	12.57	12.57	12.54	12.56	12.56	12.58	12.57	1.7%
EPACT Legislative Alternative Sales	18.61	19.09	19.44	19.51	19.43	19.25	19.35	19.19	18.88	18.89	18.78	19.00	18.81	0.2%
ZEVP Legislative Alternative Sales	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
Total Vehicles Sales	1189.9	1219.2	1240.8	1244.3	1238.3	1226.3	1232.1	1221.6	1201.6	1202.3	1195.7	1209.5	1197.4	0.3%

Table 39. Light-Duty Vehicle Sales by Technology Type
(Thousands)
West North Central

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.
Sources: 2001 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 40. Light-Duty Vehicle Sales by Technology Type
(Thousands)
South Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
New Car Sales 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	1655.1	1556.9	1501.4	1513.6	1488.2	1425.3	1443.3	1467.0	1456.2	1469.0	1520.8	1532.4	1537.9
TDI Diesel ICE	3.2	3.0	3.0	3.2	3.1	3.0	3.1	3.0	3.0	3.1	3.3	3.2	3.3
Total Conventional	1658.3	1559.9	1504.4	1516.8	1491.2	1428.3	1446.4	1469.9	1459.2	1472.1	1524.0	1535.6	1541.2
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	40.1	93.0	88.8	89.2	87.7	82.9	84.5	86.6	85.9	86.9	91.0	91.9	92.2
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
Electric Vehicle	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Electric-Diesel Hybrid	0.4	0.4	0.5	0.6	0.8	0.8	1.0	1.7	3.1	3.4	3.8	4.2	4.4
Electric-Gasoline Hybrid	6.9	15.1	20.7	30.8	47.8	47.1	58.5	70.1	74.0	77.5	83.0	85.8	88.2
Compressed Natural Gas ICE	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Compressed Natural Gas Bi-fuel	2.3	2.5	2.4	2.4	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liquefied Petroleum Gas Bi-fuel	8.1	9.0	8.5	8.5	8.2	7.7	7.7	7.7	7.5	7.3	7.4	7.5	7.5
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Alternatives	58.5	120.7	121.5	132.2	147.5	141.4	154.5	169.0	173.3	177.9	188.1	192.1	195.1
Percent Alternative Car Sales	3.41	7.18	7.48	8.01	9.00	9.01	9.65	10.31	10.62	10.78	10.99	11.12	11.24
Total New Car Sales	1716.8	1680.6	1626.0	1649.0	1638.8	1569.7	1600.9	1638.9	1632.5	1650.0	1712.1	1727.7	1736.3
New Light Truck Sales 2/													
Conventional Vehicles													
Gasoline ICE Vehicles	1352.6	1219.4	1175.9	1205.1	1212.9	1176.5	1205.9	1250.0	1252.0	1274.1	1329.7	1352.2	1362.0
TDI Diesel ICE	62.6	99.3	103.1	110.4	107.2	106.7	109.8	102.4	104.8	105.9	108.8	105.7	108.5
Total Conventional	1415.2	1318.7	1279.0	1315.6	1320.0	1283.2	1315.8	1352.5	1356.8	1380.0	1438.5	1457.8	1470.6
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	45.6	109.4	104.6	108.7	108.8	104.5	108.9	113.4	113.4	115.8	122.3	124.6	125.8
Ethanol ICE	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2
Electric Vehicle	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7
Electric-Diesel Hybrid	0.2	0.2	0.3	0.4	0.5	0.5	0.5	0.7	1.3	1.4	1.5	1.7	1.8
Electric-Gasoline Hybrid	4.1	7.8	11.3	19.0	30.1	30.2	39.3	48.5	51.3	53.6	57.3	59.3	61.3
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compressed Natural Gas Bi-fuel	5.1	5.8	5.6	5.8	5.9	5.7	5.9	6.1	6.1	6.2	6.5	6.6	6.7
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Liquefied Petroleum Gas Bi-fuel	16.9	19.2	18.6	19.3	19.5	18.9	19.6	20.2	20.3	20.7	21.6	21.9	22.2
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Alternatives	72.8	143.2	141.3	154.1	165.6	160.7	175.0	189.9	193.4	198.7	210.3	215.2	218.7

Table 40. Light-Duty Vehicle Sales by Technology Type
(Thousands)
South Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Percent Alternative Light Truck Sales	4.89	9.79	9.95	10.48	11.15	11.13	11.74	12.31	12.48	12.59	12.76	12.86	12.95
Total New Truck Sales	1488.0	1461.8	1420.3	1469.6	1485.7	1443.9	1490.8	1542.4	1550.2	1578.8	1648.8	1673.0	1689.3
Percent Total Alternative Sales	4.10	8.40	8.63	9.18	10.02	10.02	10.66	11.28	11.52	11.66	11.85	11.98	12.08
EPACT Legislative Alternative Sales	42.59	50.25	48.48	49.59	49.60	47.74	48.85	50.11	49.97	50.50	52.35	53.06	53.52
ZEVP Legislative Alternative Sales	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 Vehicles Sales	3204.8	3142.4	3046.3	3118.6	3124.4	3013.6	3091.7	3181.2	3182.7	3228.8	3361.0	3400.7	3425.6

Table 40. Light-Duty Vehicle Sales by Technology Type
(Thousands)
South Atlantic

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
New Car Sales 1/														
Conventional Vehicles														
Gasoline ICE Vehicles	1556.8	1599.9	1634.3	1647.7	1648.2	1642.0	1659.4	1655.0	1639.3	1651.1	1652.7	1681.9	1675.5	0.3%
TDI Diesel ICE	3.4	3.6	3.8	3.9	4.1	4.1	4.2	4.3	4.3	4.4	4.6	4.9	5.3	2.4%
Total Conventional	1560.2	1603.5	1638.0	1651.6	1652.3	1646.1	1663.6	1659.3	1643.6	1655.5	1657.3	1686.8	1680.8	0.3%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
Ethanol-Flex Fuel ICE	93.6	96.8	99.4	100.3	100.1	99.5	100.7	100.2	98.7	99.5	99.4	101.6	100.8	0.3%
Ethanol ICE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	3.8%
Electric Vehicle	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	-0.4%
Electric-Diesel Hybrid	4.8	5.6	6.0	6.1	7.0	7.0	7.2	7.9	7.6	7.6	7.6	8.1	8.2	13.9%
Electric-Gasoline Hybrid	91.4	96.0	100.3	101.4	101.6	101.3	102.5	101.9	101.1	102.0	102.2	103.8	103.8	8.4%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6%
Compressed Natural Gas Bi-fuel	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	-0.2%
Liquefied Petroleum Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.5%
Liquefied Petroleum Gas Bi-fuel	7.6	7.9	8.0	8.1	8.1	8.1	8.2	8.2	8.1	8.1	8.1	8.3	8.3	-0.4%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	200.2	209.3	216.8	218.9	219.9	219.0	221.7	221.3	218.6	220.2	220.4	225.0	224.3	2.6%
Percent Alternative Car Sales	11.37	11.54	11.69	11.70	11.74	11.74	11.76	11.77	11.74	11.74	11.74	11.77	11.77	2.1%
Total New Car Sales	1760.5	1812.8	1854.8	1870.5	1872.2	1865.1	1885.2	1880.6	1862.2	1875.7	1877.7	1911.8	1905.1	0.5%
New Light Truck Sales 2/														
Conventional Vehicles														
Gasoline ICE Vehicles	1384.2	1426.1	1461.2	1475.4	1475.5	1474.1	1491.0	1487.8	1476.3	1486.8	1486.7	1512.4	1500.3	0.9%
TDI Diesel ICE	111.0	116.2	118.9	121.9	126.4	124.8	127.6	129.2	125.3	125.9	127.8	130.8	137.7	1.4%
Total Conventional	1495.3	1542.3	1580.2	1597.2	1601.9	1598.9	1618.6	1617.0	1601.6	1612.8	1614.5	1643.2	1637.9	0.9%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8%
Ethanol-Flex Fuel ICE	128.3	133.4	137.7	139.3	139.2	138.6	140.4	139.8	138.1	139.3	139.2	142.3	140.8	1.1%
Ethanol ICE	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	5.0%
Electric Vehicle	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.1%
Electric-Diesel Hybrid	2.0	2.4	2.6	2.7	3.2	3.2	3.3	3.6	3.4	3.4	3.5	3.7	3.9	12.9%
Electric-Gasoline Hybrid	63.6	67.2	70.4	71.3	71.7	71.5	72.4	72.1	71.5	72.2	72.5	73.6	73.7	9.8%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.8%
Compressed Natural Gas Bi-fuel	6.8	7.0	7.2	7.3	7.3	7.3	7.4	7.4	7.3	7.4	7.4	7.5	7.5	1.1%
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.9%
Liquefied Petroleum Gas Bi-fuel	22.6	23.3	23.9	24.2	24.3	24.2	24.5	24.5	24.2	24.4	24.4	24.9	24.8	1.1%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	224.4	234.5	243.0	245.9	246.8	246.0	249.2	248.6	245.8	248.0	248.3	253.3	251.9	2.4%

Table 40. Light-Duty Vehicle Sales by Technology Type
(Thousands)
South Atlantic

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Percent Alternative Light Truck Sales	13.05	13.20	13.33	13.34	13.35	13.34	13.34	13.33	13.31	13.33	13.33	13.36	13.33	1.3%
Total New Truck Sales	1719.6	1776.8	1823.2	1843.2	1848.7	1845.0	1867.8	1865.6	1847.4	1860.8	1862.7	1896.5	1889.9	1.1%
Percent Total Alternative Sales	12.20	12.36	12.50	12.52	12.54	12.53	12.55	12.54	12.52	12.53	12.53	12.56	12.55	1.7%
EPACT Legislative Alternative Sales	54.43	56.20	57.63	58.23	58.38	58.23	58.94	58.85	58.27	58.70	58.76	59.82	59.62	0.7%
ZEVP Legislative Alternative Sales	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
Total Vehicles Sales	3480.1	3589.5	3678.0	3713.7	3720.9	3710.0	3753.0	3746.2	3709.6	3736.5	3740.5	3808.3	3794.9	0.8%

Table 40. Light-Duty Vehicle Sales by Technology Type
(Thousands)
South Atlantic

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.
Sources: 2001 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 41. Light-Duty Vehicle Sales by Technolgy Type
(Thousands)
East South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
New Car Sales 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	520.8	495.3	480.9	486.6	478.5	457.2	461.4	467.0	461.4	463.0	476.6	477.4	476.2
TDI Diesel ICE	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.0	1.1
Total Conventional	521.8	496.4	481.9	487.6	479.5	458.2	462.4	468.0	462.4	464.0	477.7	478.4	477.2
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	12.6	29.6	28.4	28.7	28.2	26.6	27.0	27.6	27.2	27.4	28.5	28.6	28.5
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Electric Vehicle	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electric-Diesel Hybrid	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.6	1.0	1.1	1.2	1.3	1.4
Electric-Gasoline Hybrid	2.2	4.8	6.7	10.0	15.4	15.2	18.8	22.4	23.6	24.5	26.1	26.8	27.4
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compressed Natural Gas Bi-fuel	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Liquefied Petroleum Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liquefied Petroleum Gas Bi-fuel	2.6	2.9	2.7	2.7	2.6	2.5	2.5	2.4	2.4	2.3	2.3	2.3	2.3
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Alternatives	18.4	38.4	39.0	42.5	47.5	45.4	49.5	53.9	55.1	56.2	59.1	60.0	60.6
Percent Alternative Car Sales	3.41	7.19	7.48	8.02	9.01	9.02	9.67	10.33	10.64	10.81	11.01	11.15	11.27
Total New Car Sales	540.2	534.8	520.9	530.2	527.0	503.6	511.9	521.9	517.4	520.2	536.8	538.5	537.8
New Light Truck Sales 2/													
Conventional Vehicles													
Gasoline ICE Vehicles	424.8	385.3	375.0	385.8	388.4	375.7	383.6	396.2	394.8	399.6	414.8	419.4	419.9
TDI Diesel ICE	20.6	34.6	34.9	37.3	36.2	36.1	37.3	34.7	35.3	35.5	36.3	35.0	35.7
Total Conventional	445.4	419.9	409.9	423.1	424.6	411.8	420.9	430.8	430.1	435.2	451.1	454.4	455.6
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	14.3	34.6	33.4	34.8	34.8	33.4	34.6	36.0	35.8	36.3	38.2	38.7	38.8
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electric Vehicle	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Electric-Diesel Hybrid	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.4	0.5	0.5	0.5	0.6
Electric-Gasoline Hybrid	1.3	2.5	3.6	6.1	9.7	9.7	12.6	15.5	16.3	17.0	18.0	18.5	19.0
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compressed Natural Gas Bi-fuel	1.6	1.8	1.8	1.9	1.9	1.8	1.9	1.9	1.9	2.0	2.0	2.1	2.1
Liquefied Petroleum Gas ICE	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Liquefied Petroleum Gas Bi-fuel	5.3	6.1	6.0	6.2	6.3	6.1	6.3	6.4	6.4	6.5	6.8	6.8	6.9
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Alternatives	22.9	45.3	45.1	49.4	53.2	51.4	55.9	60.4	61.2	62.6	65.8	67.0	67.7
Percent Alternative Light Truck Sales	4.89	9.75	9.92	10.46	11.13	11.11	11.72	12.29	12.46	12.57	12.74	12.85	12.93

Table 41. Light-Duty Vehicle Sales by Technolgy Type
(Thousands)
East South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total New Truck Sales	468.2	465.2	455.0	472.5	477.8	463.2	476.7	491.2	491.3	497.8	516.9	521.4	523.3
Percent Total Alternative Sales	4.10	8.38	8.62	9.17	10.02	10.02	10.66	11.28	11.53	11.67	11.86	11.99	12.09
EPACT Legislative Alternative Sales	13.40	15.99	15.53	15.94	15.95	15.32	15.62	15.96	15.84	15.92	16.41	16.54	16.58
ZEVP Legislative Alternative Sales	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 Vehicles Sales	1008.5	1000.0	975.9	1002.7	1004.8	966.9	988.7	1013.1	1008.8	1018.0	1053.7	1059.9	1061.1

Table 41. Light-Duty Vehicle Sales by Technolgy Type
(Thousands)
East South Central

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
New Car Sales 1/														
Conventional Vehicles														
Gasoline ICE Vehicles	479.0	489.1	496.4	497.3	494.3	489.3	491.3	486.9	479.3	479.7	477.2	482.7	477.9	-0.1%
TDI Diesel ICE	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.5	1.6	1.9%
Total Conventional	480.1	490.3	497.6	498.5	495.6	490.5	492.6	488.2	480.6	481.0	478.6	484.2	479.5	-0.1%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.8%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.8%
Ethanol-Flex Fuel ICE	28.8	29.6	30.2	30.3	30.0	29.6	29.8	29.5	28.9	28.9	28.7	29.2	28.8	-0.1%
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.9%
Electric Vehicle	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-0.8%
Electric-Diesel Hybrid	1.5	1.8	1.9	1.9	2.2	2.2	2.2	2.4	2.3	2.3	2.3	2.4	2.4	13.3%
Electric-Gasoline Hybrid	28.2	29.5	30.6	30.7	30.6	30.3	30.4	30.1	29.7	29.7	29.6	29.9	29.7	7.9%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.4%
Compressed Natural Gas Bi-fuel	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	-0.7%
Liquefied Petroleum Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.7%
Liquefied Petroleum Gas Bi-fuel	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	-0.8%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	61.8	64.2	66.0	66.3	66.1	65.4	65.8	65.3	64.1	64.2	63.8	64.8	64.2	2.2%
Percent Alternative Car Sales	11.40	11.57	11.72	11.73	11.77	11.77	11.79	11.80	11.77	11.77	11.77	11.80	11.81	2.1%
Total New Car Sales	541.9	554.4	563.7	564.8	561.7	556.0	558.4	553.5	544.7	545.2	542.5	549.0	543.7	0.1%
New Light Truck Sales 2/														
Conventional Vehicles														
Gasoline ICE Vehicles	424.2	434.2	442.1	443.6	440.7	437.5	439.6	435.8	429.8	430.2	427.5	432.1	425.9	0.4%
TDI Diesel ICE	36.2	37.6	38.2	38.8	40.0	39.2	39.9	40.2	38.7	38.6	39.0	39.8	41.7	0.8%
Total Conventional	460.3	471.8	480.3	482.4	480.7	476.7	479.5	476.0	468.5	468.9	466.5	471.9	467.6	0.4%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.5%
Ethanol-Flex Fuel ICE	39.3	40.6	41.7	41.9	41.6	41.1	41.4	41.0	40.2	40.3	40.0	40.7	40.0	0.6%
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	6.3%
Electric Vehicle	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.6%
Electric-Diesel Hybrid	0.6	0.8	0.8	0.8	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.1	1.1	12.2%
Electric-Gasoline Hybrid	19.6	20.6	21.4	21.6	21.5	21.3	21.5	21.2	20.9	21.0	21.0	21.2	21.0	9.3%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.9%
Compressed Natural Gas Bi-fuel	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.2	2.1	0.6%
Liquefied Petroleum Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7%
Liquefied Petroleum Gas Bi-fuel	6.9	7.1	7.3	7.3	7.3	7.2	7.3	7.2	7.1	7.1	7.1	7.1	7.1	0.6%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	69.0	71.6	73.8	74.2	74.0	73.3	73.7	73.1	71.8	72.0	71.7	72.7	71.8	1.9%
Percent Alternative Light Truck Sales	13.03	13.18	13.32	13.33	13.34	13.32	13.33	13.31	13.29	13.31	13.31	13.34	13.31	1.3%

Table 41. Light-Duty Vehicle Sales by Technolgy Type
(Thousands)
East South Central

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total New Truck Sales	529.3	543.4	554.1	556.6	554.6	550.0	553.2	549.1	540.3	540.9	538.1	544.6	539.4	0.6%
Percent Total Alternative Sales	12.21	12.37	12.51	12.53	12.55	12.54	12.56	12.55	12.53	12.54	12.54	12.57	12.56	1.7%
EPACT Legislative Alternative Sales	16.75	17.19	17.51	17.58	17.51	17.36	17.46	17.32	17.04	17.06	16.98	17.18	17.01	0.3%
ZEVP Legislative Alternative Sales	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
Total Vehicles Sales	1071.2	1097.9	1117.7	1121.4	1116.3	1106.0	1111.6	1102.6	1085.0	1086.1	1080.6	1093.5	1083.1	0.3%

Table 41. Light-Duty Vehicle Sales by Technolgy Type
(Thousands)
East South Central

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.
Sources: 2001 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 42. Light-Duty Vehicle Sales by Technology Type
(Thousands)
West South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
New Car Sales 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	943.0	895.0	868.7	879.7	867.5	832.6	844.4	859.2	853.4	861.2	891.6	898.2	900.9
TDI Diesel ICE	1.9	1.8	1.8	1.9	1.8	1.8	1.9	1.8	1.8	1.9	2.0	1.9	2.0
Total Conventional	944.9	896.8	870.5	881.6	869.4	834.4	846.3	861.0	855.2	863.1	893.6	900.1	902.9
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	22.8	53.5	51.4	51.9	51.1	48.4	49.4	50.7	50.3	50.9	53.4	53.8	54.0
Ethanol ICE	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.1	0.1
Electric Vehicle	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Electric-Diesel Hybrid	0.3	0.2	0.3	0.4	0.5	0.5	0.6	1.0	1.9	2.0	2.3	2.5	2.7
Electric-Gasoline Hybrid	3.9	8.7	12.0	18.0	28.0	27.6	34.3	41.2	43.5	45.5	48.8	50.4	51.8
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compressed Natural Gas Bi-fuel	1.4	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Liquefied Petroleum Gas ICE	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Liquefied Petroleum Gas Bi-fuel	4.6	5.2	4.9	4.9	4.8	4.5	4.5	4.5	4.4	4.3	4.4	4.4	4.4
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Alternatives	33.4	69.5	70.4	76.9	86.2	82.8	90.6	99.2	101.8	104.5	110.6	112.9	114.6
Percent Alternative Car Sales	3.42	7.19	7.49	8.03	9.02	9.02	9.67	10.33	10.64	10.80	11.01	11.15	11.26
Total New Car Sales	978.3	966.3	940.9	958.6	955.5	917.2	936.9	960.2	957.1	967.6	1004.1	1013.0	1017.5
New Light Truck Sales 2/													
Conventional Vehicles													
Gasoline ICE Vehicles	769.6	699.5	679.2	699.2	704.6	684.8	703.4	730.1	731.7	745.0	777.4	790.5	795.7
TDI Diesel ICE	36.9	58.8	61.0	65.6	65.2	65.1	66.7	62.3	63.8	64.3	66.3	64.3	66.1
Total Conventional	806.4	758.3	740.2	764.8	769.8	749.9	770.1	792.4	795.4	809.3	843.7	854.8	861.7
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	25.9	62.7	60.4	63.1	63.2	60.8	63.5	66.3	66.3	67.7	71.5	72.9	73.5
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electric Vehicle	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Electric-Diesel Hybrid	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.8	0.8	0.9	1.0	1.1
Electric-Gasoline Hybrid	2.3	4.5	6.6	11.1	17.6	17.7	23.0	28.4	30.1	31.5	33.6	34.8	35.9
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compressed Natural Gas Bi-fuel	2.9	3.3	3.3	3.4	3.4	3.4	3.5	3.6	3.6	3.7	3.8	3.9	3.9
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
Liquefied Petroleum Gas Bi-fuel	9.6	11.0	10.8	11.2	11.4	11.1	11.4	11.9	11.9	12.1	12.7	12.9	13.0
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Alternatives	41.5	82.2	81.7	89.5	96.4	93.8	102.4	111.2	113.3	116.5	123.3	126.2	128.2
Percent Alternative Light Truck Sales	4.89	9.78	9.94	10.48	11.13	11.11	11.73	12.30	12.47	12.58	12.75	12.86	12.95
Total New Truck Sales	847.9	840.5	821.9	854.3	866.3	843.7	872.5	903.6	908.8	925.8	967.0	981.0	989.9
Percent Total Alternative Sales	4.10	8.39	8.63	9.18	10.03	10.03	10.66	11.29	11.53	11.67	11.87	11.99	12.10
EPACT Legislative Alternative Sales	24.27	28.89	28.05	28.82	28.92	27.90	28.59	29.36	29.29	29.61	30.70	31.11	31.36
ZEVP Legislative Alternative Sales	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 Vehicles Sales	1826.2	1806.8	1762.8	1812.9	1821.8	1760.9	1809.4	1863.8	1865.8	1893.5	1971.1	1994.0	2007.4

Table 42. Light-Duty Vehicle Sales by Technology Type
(Thousands)
West South Central

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
New Car Sales 1/														
Conventional Vehicles														
Gasoline ICE Vehicles	911.1	935.4	954.5	961.3	960.5	955.7	964.5	960.6	950.3	955.8	955.3	970.9	965.8	0.3%
TDI Diesel ICE	2.1	2.2	2.3	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.2	2.5%
Total Conventional	913.2	937.6	956.8	963.6	962.9	958.1	967.0	963.3	952.9	958.4	958.1	973.8	969.0	0.3%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.5%
Ethanol-Flex Fuel ICE	54.8	56.6	58.1	58.5	58.4	57.9	58.5	58.1	57.2	57.6	57.5	58.6	58.1	0.3%
Ethanol ICE	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	5.4%
Electric Vehicle	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.3	0.2	0.2	0.2	0.3	0.3	-0.4%
Electric-Diesel Hybrid	2.9	3.4	3.6	3.6	4.2	4.2	4.3	4.7	4.5	4.5	4.5	4.8	4.9	14.0%
Electric-Gasoline Hybrid	53.6	56.3	58.7	59.3	59.3	59.1	59.7	59.3	58.8	59.2	59.2	60.1	59.9	8.4%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.0%
Compressed Natural Gas Bi-fuel	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	-0.2%
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	1.2%
Liquefied Petroleum Gas Bi-fuel	4.5	4.6	4.7	4.7	4.7	4.7	4.8	4.7	4.7	4.7	4.7	4.8	4.8	-0.4%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	117.5	122.7	127.0	128.1	128.5	127.8	129.2	128.8	127.0	127.8	127.7	130.2	129.6	2.6%
Percent Alternative Car Sales	11.40	11.57	11.71	11.73	11.77	11.77	11.78	11.79	11.76	11.77	11.76	11.79	11.80	2.1%
Total New Car Sales	1030.7	1060.3	1083.7	1091.7	1091.4	1085.9	1096.2	1092.0	1079.9	1086.2	1085.8	1104.0	1098.6	0.5%
New Light Truck Sales 2/														
Conventional Vehicles														
Gasoline ICE Vehicles	807.8	831.5	851.0	858.5	857.5	855.7	864.1	861.1	853.4	858.3	857.0	870.5	862.2	0.9%
TDI Diesel ICE	67.6	70.7	72.3	73.8	76.3	75.3	77.1	77.9	75.4	75.7	76.7	78.5	82.4	1.4%
Total Conventional	875.5	902.1	923.3	932.2	933.8	931.0	941.2	939.0	928.8	934.0	933.6	949.0	944.6	0.9%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4%
Ethanol-Flex Fuel ICE	74.9	77.8	80.2	81.0	80.9	80.5	81.4	80.9	79.8	80.4	80.3	81.9	80.9	1.1%
Ethanol ICE	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	6.6%
Electric Vehicle	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1%
Electric-Diesel Hybrid	1.2	1.5	1.6	1.6	1.9	1.9	2.0	2.2	2.0	2.0	2.1	2.2	2.3	12.9%
Electric-Gasoline Hybrid	37.3	39.3	41.2	41.7	41.8	41.7	42.1	41.9	41.5	41.8	41.9	42.5	42.5	9.8%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.4%
Compressed Natural Gas Bi-fuel	4.0	4.1	4.2	4.3	4.3	4.3	4.3	4.3	4.2	4.3	4.3	4.3	4.3	1.1%
Liquefied Petroleum Gas ICE	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.6%
Liquefied Petroleum Gas Bi-fuel	13.2	13.6	14.0	14.1	14.1	14.1	14.2	14.2	14.1	14.1	14.1	14.4	14.3	1.1%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	131.4	137.1	142.0	143.5	143.9	143.2	144.9	144.3	142.5	143.6	143.5	146.2	145.2	2.4%
Percent Alternative Light Truck Sales	13.05	13.20	13.33	13.34	13.35	13.33	13.34	13.32	13.30	13.32	13.32	13.35	13.33	1.3%
Total New Truck Sales	1006.8	1039.3	1065.3	1075.8	1077.7	1074.2	1086.1	1083.3	1071.3	1077.6	1077.2	1095.2	1089.8	1.1%
Percent Total Alternative Sales	12.21	12.38	12.51	12.53	12.55	12.55	12.56	12.55	12.53	12.54	12.54	12.57	12.56	1.7%
EPACT Legislative Alternative Sales	31.87	32.87	33.67	33.98	34.03	33.91	34.27	34.17	33.79	33.99	33.98	34.55	34.38	0.7%
ZEVP Legislative Alternative Sales	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
Total Vehicles Sales	2037.6	2099.6	2149.0	2167.5	2169.1	2160.1	2182.3	2175.4	2151.3	2163.8	2163.0	2199.2	2188.5	0.8%

Table 42. Light-Duty Vehicle Sales by Technology Type
(Thousands)
West South Central

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.
Sources: 2001 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 43. Light-Duty Vehicle Sales by Technology Type
(Thousands)
Mountain

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
New Car Sales 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	514.4	495.7	487.6	499.6	497.7	482.4	493.8	506.9	507.9	516.9	539.7	548.2	554.4
TDI Diesel ICE	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.2	1.2	1.3	1.3	1.3
Total Conventional	515.5	496.8	488.7	500.7	498.8	483.6	494.9	508.0	509.0	518.1	541.0	549.4	555.7
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	12.5	29.6	28.8	29.4	29.3	28.1	28.9	29.9	30.0	30.6	32.3	32.9	33.2
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electric Vehicle	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electric-Diesel Hybrid	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.7	1.2	1.3	1.5	1.6	1.7
Electric-Gasoline Hybrid	2.2	5.0	6.9	10.4	16.5	16.4	20.6	25.0	26.6	28.1	30.3	31.6	32.7
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compressed Natural Gas Bi-fuel	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Liquefied Petroleum Gas Bi-fuel	2.5	2.9	2.8	2.8	2.8	2.6	2.6	2.7	2.6	2.6	2.6	2.7	2.7
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Alternatives	18.3	38.7	39.7	43.9	49.9	48.4	53.6	59.3	61.4	63.6	67.9	69.9	71.5
Percent Alternative Car Sales	3.44	7.22	7.51	8.06	9.10	9.10	9.77	10.45	10.77	10.94	11.15	11.28	11.40
Total New Car Sales	533.8	535.5	528.4	544.7	548.8	532.0	548.5	567.3	570.5	581.8	608.8	619.3	627.2
New Light Truck Sales 2/													
Conventional Vehicles													
Gasoline ICE Vehicles	417.8	383.1	379.3	395.2	401.3	393.8	407.9	427.7	432.2	443.8	467.3	479.3	486.6
TDI Diesel ICE	22.2	37.4	36.4	39.4	40.8	41.1	42.9	40.3	41.8	42.6	44.0	43.0	44.4
Total Conventional	440.0	420.5	415.7	434.6	442.1	434.9	450.8	468.0	474.0	486.4	511.3	522.4	531.0
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	14.1	34.4	33.7	35.7	36.0	35.0	36.8	38.8	39.2	40.3	43.0	44.2	44.9
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Electric Vehicle	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
Electric-Diesel Hybrid	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.5	0.5	0.6	0.7	0.7
Electric-Gasoline Hybrid	1.3	2.6	3.8	6.4	10.4	10.5	13.8	17.2	18.4	19.4	20.8	21.7	22.6
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compressed Natural Gas Bi-fuel	1.6	1.8	1.8	1.9	2.0	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4
Liquefied Petroleum Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
Liquefied Petroleum Gas Bi-fuel	5.3	6.1	6.1	6.4	6.5	6.4	6.7	7.0	7.1	7.3	7.7	7.9	8.0
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 43. Light-Duty Vehicle Sales by Technology Type
(Thousands)
Mountain

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Alternatives	22.7	45.3	45.8	50.8	55.4	54.4	60.0	65.8	67.7	70.2	75.0	77.4	79.3
Percent Alternative Light Truck Sales	4.90	9.72	9.93	10.47	11.14	11.12	11.74	12.33	12.50	12.62	12.79	12.90	12.99
Total New Truck Sales	462.7	465.8	461.5	485.4	497.5	489.3	510.8	533.9	541.7	556.6	586.3	599.7	610.2
Percent Total Alternative Sales	4.12	8.39	8.64	9.20	10.07	10.07	10.72	11.36	11.61	11.76	11.95	12.08	12.18
EPACT Legislative Alternative Sales	13.24	16.01	15.75	16.38	16.61	16.18	16.74	17.35	17.46	17.80	18.62	19.02	19.33
ZEVP Legislative Alternative Sales	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 Vehicles Sales	996.5	1001.3	989.9	1030.1	1046.3	1021.3	1059.3	1101.1	1112.2	1138.4	1195.1	1219.1	1237.5

Table 43. Light-Duty Vehicle Sales by Technology Type
(Thousands)
Mountain

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
New Car Sales 1/														
Conventional Vehicles														
Gasoline ICE Vehicles	565.4	585.3	602.1	611.4	615.8	617.7	628.5	631.1	629.3	638.1	643.0	658.8	660.7	1.2%
TDI Diesel ICE	1.4	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.8	1.9	2.0	2.1	2.3	3.2%
Total Conventional	566.8	586.7	603.6	612.9	617.5	619.4	630.2	632.9	631.2	640.0	645.0	660.9	663.1	1.2%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2%
Ethanol-Flex Fuel ICE	34.0	35.4	36.6	37.2	37.4	37.4	38.1	38.2	37.9	38.4	38.7	39.8	39.8	1.2%
Ethanol ICE	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	5.7%
Electric Vehicle	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5%
Electric-Diesel Hybrid	1.9	2.2	2.4	2.4	2.8	2.8	2.9	3.3	3.1	3.1	3.2	3.4	3.5	14.8%
Electric-Gasoline Hybrid	34.1	36.1	37.9	38.6	38.9	39.1	39.8	39.9	39.8	40.4	40.8	41.7	41.9	9.3%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
Compressed Natural Gas Bi-fuel	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.6%
Liquefied Petroleum Gas ICE	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5%
Liquefied Petroleum Gas Bi-fuel	2.8	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.2	3.2	3.3	3.3	0.5%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	73.9	77.8	81.2	82.6	83.5	83.7	85.3	85.7	85.2	86.4	87.1	89.4	89.8	3.6%
Percent Alternative Car Sales	11.54	11.71	11.85	11.87	11.91	11.90	11.92	11.93	11.89	11.90	11.89	11.92	11.92	2.1%
Total New Car Sales	640.7	664.6	684.8	695.5	701.0	703.1	715.5	718.6	716.4	726.4	732.1	750.4	752.9	1.4%
New Light Truck Sales 2/														
Conventional Vehicles														
Gasoline ICE Vehicles	498.3	517.1	533.7	542.8	546.5	549.9	559.8	562.4	562.0	569.9	573.7	587.4	586.3	1.8%
TDI Diesel ICE	45.6	48.0	49.5	50.8	53.1	52.7	54.3	55.3	53.9	54.5	55.7	57.5	60.8	2.0%
Total Conventional	543.9	565.2	583.2	593.7	599.5	602.5	614.1	617.7	615.9	624.4	629.3	644.9	647.2	1.8%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7%
Ethanol-Flex Fuel ICE	46.2	48.4	50.3	51.3	51.6	51.7	52.7	52.9	52.6	53.4	53.7	55.3	55.0	2.0%
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	6.6%
Electric Vehicle	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.0%
Electric-Diesel Hybrid	0.8	1.0	1.0	1.1	1.3	1.3	1.3	1.5	1.4	1.4	1.5	1.6	1.6	13.7%
Electric-Gasoline Hybrid	23.6	25.1	26.5	27.0	27.3	27.4	28.0	28.0	28.0	28.4	28.7	29.4	29.6	10.7%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2%
Compressed Natural Gas Bi-fuel	2.5	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.9	3.0	2.0%
Liquefied Petroleum Gas ICE	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.9%
Liquefied Petroleum Gas Bi-fuel	8.2	8.5	8.8	9.0	9.1	9.1	9.3	9.4	9.3	9.5	9.5	9.8	9.8	2.0%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A

Table 43. Light-Duty Vehicle Sales by Technology Type
(Thousands)
Mountain

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	81.9	86.2	90.0	91.7	92.6	93.0	94.8	95.2	94.7	96.2	96.9	99.5	99.7	3.3%
Percent Alternative Light Truck Sales	13.09	13.24	13.37	13.38	13.38	13.37	13.37	13.35	13.33	13.35	13.35	13.37	13.34	1.3%
Total New Truck Sales	625.8	651.4	673.2	685.3	692.2	695.5	708.9	712.8	710.7	720.6	726.2	744.4	746.8	2.0%
Percent Total Alternative Sales	12.30	12.47	12.60	12.62	12.64	12.63	12.64	12.63	12.61	12.62	12.62	12.64	12.63	1.7%
EPACT Legislative Alternative Sales	19.81	20.60	21.28	21.65	21.86	21.95	22.37	22.49	22.42	22.73	22.91	23.48	23.56	1.6%
ZEVP Legislative Alternative Sales	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
Total Vehicles Sales	1266.6	1315.9	1358.0	1380.8	1393.1	1398.6	1424.4	1431.4	1427.0	1447.1	1458.3	1494.8	1499.7	1.7%

Table 43. Light-Duty Vehicle Sales by Technology Type
(Thousands)
Mountain

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.
Sources: 2001 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 44. Light-Duty Vehicle Sales by Technology Type
(Thousands)
Pacific

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
New Car Sales 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	1379.8	1302.6	1260.0	1272.2	1250.0	1197.2	1212.1	1120.6	992.1	998.8	1033.7	1023.5	1025.2
TDI Diesel ICE	3.0	3.1	2.7	2.8	3.2	3.1	3.0	3.0	3.3	3.4	3.5	3.4	3.4
Total Conventional	1382.8	1305.7	1262.7	1275.0	1253.2	1200.3	1215.0	1123.6	995.4	1002.2	1037.2	1026.9	1028.6
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	33.4	77.8	74.5	75.0	73.6	69.6	71.0	72.7	72.0	72.8	76.1	76.8	76.9
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electric Vehicle	0.3	0.4	0.4	0.4	0.4	0.6	0.8	0.9	1.1	1.4	2.1	4.4	7.6
Electric-Diesel Hybrid	0.4	0.4	0.4	0.5	0.8	0.8	1.0	4.6	13.7	14.5	15.7	17.4	17.5
Electric-Gasoline Hybrid	6.0	13.3	17.8	26.7	42.0	41.3	51.0	168.4	282.0	286.9	297.3	314.2	314.2
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Compressed Natural Gas Bi-fuel	2.0	2.1	2.1	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8
Liquefied Petroleum Gas ICE	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.3	0.4	0.5	0.6	0.8
Liquefied Petroleum Gas Bi-fuel	6.8	7.6	7.2	7.1	6.9	6.5	6.5	6.5	6.3	6.2	6.2	6.3	6.3
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3
Total Alternatives	49.3	101.8	102.6	112.0	126.0	121.1	132.5	255.4	377.5	384.4	400.1	421.9	425.5
Percent Alternative Car Sales	3.44	7.23	7.52	8.07	9.14	9.16	9.83	18.52	27.50	27.72	27.84	29.12	29.26
Total New Car Sales	1432.1	1407.5	1365.3	1387.0	1379.3	1321.4	1347.5	1379.0	1372.9	1386.5	1437.3	1448.8	1454.2
New Light Truck Sales 2/													
Conventional Vehicles													
Gasoline ICE Vehicles	1118.3	997.0	982.6	1008.9	992.6	964.7	996.3	984.8	921.3	935.5	981.8	992.2	1005.2
TDI Diesel ICE	62.1	109.0	91.4	97.4	119.6	114.2	108.2	109.5	120.1	122.4	122.6	118.1	116.0
Total Conventional	1180.4	1106.0	1074.0	1106.3	1112.2	1079.0	1104.6	1094.2	1041.4	1057.8	1104.4	1110.3	1121.2
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	37.7	89.5	87.4	91.0	89.2	86.0	90.3	93.4	92.7	94.4	99.9	101.9	103.0
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electric Vehicle	0.4	0.5	0.5	0.5	0.5	2.5	3.6	5.4	6.2	8.0	7.6	8.6	6.2
Electric-Diesel Hybrid	0.2	0.2	0.3	0.3	0.5	0.5	0.5	1.3	4.0	4.3	4.6	5.0	5.2
Electric-Gasoline Hybrid	3.6	6.8	9.8	16.4	26.2	26.3	34.1	80.7	136.6	138.7	143.1	152.1	153.8
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compressed Natural Gas Bi-fuel	4.3	4.8	4.7	4.9	5.0	4.8	5.0	5.1	5.2	5.3	5.5	5.6	5.6
Liquefied Petroleum Gas ICE	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.6	0.7	0.8	1.0
Liquefied Petroleum Gas Bi-fuel	14.1	16.1	15.6	16.2	16.4	15.9	16.5	17.0	17.1	17.4	18.2	18.4	18.6
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Total Alternatives	60.8	118.3	118.6	129.8	138.2	136.5	150.4	203.6	262.3	268.8	279.8	292.6	293.6
Percent Alternative Light Truck Sales	4.90	9.66	9.95	10.50	11.05	11.23	11.98	15.69	20.12	20.26	20.21	20.86	20.75

Table 44. Light-Duty Vehicle Sales by Technology Type
(Thousands)
Pacific

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total New Truck Sales	1241.2	1224.3	1192.6	1236.1	1250.4	1215.4	1254.9	1297.8	1303.6	1326.6	1384.2	1402.9	1414.8
Percent Total Alternative Sales	4.12	8.36	8.65	9.22	10.05	10.15	10.87	17.15	23.90	24.07	24.10	25.05	25.07
EPACT Legislative Alternative Sales	35.52	42.09	40.70	41.71	41.75	40.19	41.12	42.17	42.02	42.43	43.95	44.49	44.82
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	176.82	336.61	505.11	661.06	674.38	699.51	728.36	733.06
Total Vehicles Sales	2673.3	2631.8	2557.9	2623.0	2629.7	2536.8	2602.4	2676.9	2676.5	2713.2	2821.5	2851.7	2868.9

Table 44. Light-Duty Vehicle Sales by Technology Type
(Thousands)
Pacific

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
New Car Sales 1/														
Conventional Vehicles														
Gasoline ICE Vehicles	1038.6	1048.5	1067.6	1077.8	1036.0	1027.0	1039.8	989.2	973.8	983.5	987.6	1004.2	1004.9	-1.1%
TDI Diesel ICE	3.5	3.8	3.6	3.7	4.1	4.3	4.5	4.5	4.3	4.4	4.7	5.1	5.4	2.4%
Total Conventional	1042.1	1052.3	1071.2	1081.4	1040.1	1031.3	1044.3	993.8	978.1	987.9	992.3	1009.3	1010.4	-1.1%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-5.9%
Ethanol-Flex Fuel ICE	78.0	80.5	82.6	83.2	82.9	82.2	83.1	82.5	81.3	81.8	81.7	83.3	82.6	0.3%
Ethanol ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.3%
Electric Vehicle	9.2	14.4	16.6	16.8	25.1	25.8	24.7	34.4	34.7	33.1	32.6	32.3	31.0	19.9%
Electric-Diesel Hybrid	18.1	22.0	21.7	21.7	28.1	29.4	30.1	35.4	33.3	33.1	33.2	35.8	35.5	21.1%
Electric-Gasoline Hybrid	315.3	334.8	344.4	343.9	370.0	369.0	369.8	400.0	401.4	401.6	397.6	402.3	395.8	15.2%
Compressed Natural Gas ICE	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1%
Compressed Natural Gas Bi-fuel	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	-0.3%
Liquefied Petroleum Gas ICE	0.9	1.1	1.3	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.2	2.2	2.3	11.4%
Liquefied Petroleum Gas Bi-fuel	6.4	6.6	6.7	6.8	6.8	6.7	6.8	6.8	6.7	6.7	6.7	6.8	6.8	-0.4%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.4	0.3	0.4	0.5	0.4	0.5	0.8	0.6	0.8	1.2	1.3	1.8	2.2	N/A
Total Alternatives	430.3	461.8	475.7	476.4	516.9	517.6	519.3	563.9	562.4	561.9	557.4	566.7	558.4	7.3%
Percent Alternative Car Sales	29.22	30.50	30.75	30.58	33.20	33.42	33.21	36.20	36.51	36.26	35.97	35.96	35.60	6.9%
Total New Car Sales	1472.4	1514.0	1546.9	1557.8	1557.0	1548.9	1563.5	1557.6	1540.5	1549.8	1549.7	1576.0	1568.8	0.5%
New Light Truck Sales 2/														
Conventional Vehicles														
Gasoline ICE Vehicles	1026.3	1046.7	1081.8	1093.5	1066.0	1055.4	1065.9	1046.6	1040.7	1047.5	1044.8	1057.6	1050.0	0.2%
TDI Diesel ICE	116.4	125.2	115.9	117.0	130.9	138.2	141.8	139.3	129.2	129.2	133.6	140.9	144.0	1.2%
Total Conventional	1142.6	1171.9	1197.7	1210.5	1196.9	1193.6	1207.7	1185.8	1169.9	1176.8	1178.4	1198.4	1194.0	0.3%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.5%
Ethanol-Flex Fuel ICE	105.1	108.8	113.1	114.3	113.3	111.9	113.1	112.7	111.8	112.7	112.2	114.2	113.1	1.0%
Ethanol ICE	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	5.1%
Electric Vehicle	3.8	2.6	1.6	1.2	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.7	1.4%
Electric-Diesel Hybrid	5.5	7.0	6.9	7.0	9.5	9.9	10.2	12.0	11.1	11.1	11.3	12.2	12.4	18.4%
Electric-Gasoline Hybrid	155.1	166.6	173.2	173.6	188.2	187.0	187.5	204.1	204.8	205.7	203.9	206.1	203.7	15.2%
Compressed Natural Gas ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-5.7%
Compressed Natural Gas Bi-fuel	5.7	5.9	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.2	1.0%
Liquefied Petroleum Gas ICE	1.2	1.4	1.7	1.9	2.0	2.3	2.5	2.6	2.8	2.9	3.0	3.0	3.2	12.0%
Liquefied Petroleum Gas Bi-fuel	18.9	19.5	19.9	20.1	20.2	20.1	20.3	20.3	20.1	20.2	20.2	20.5	20.4	1.0%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.1	0.1	0.2	0.2	0.2	0.3	0.5	0.5	0.7	1.0	1.3	1.7	2.3	N/A
Total Alternatives	295.6	312.1	322.9	324.6	340.6	338.6	341.4	359.4	358.3	360.7	358.9	365.0	362.3	4.8%
Percent Alternative Light Truck Sales	20.55	21.03	21.23	21.15	22.15	22.10	22.04	23.26	23.45	23.46	23.35	23.35	23.28	3.7%

Table 44. Light-Duty Vehicle Sales by Technology Type
(Thousands)
Pacific

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total New Truck Sales	1438.2	1484.0	1520.6	1535.1	1537.5	1532.2	1549.1	1545.2	1528.2	1537.5	1537.3	1563.5	1556.3	1.0%
Percent Total Alternative Sales	24.94	25.81	26.03	25.90	27.71	27.79	27.65	29.75	30.00	29.88	29.68	29.68	29.46	5.4%
EPACT Legislative Alternative Sales	45.52	46.93	48.06	48.49	48.55	48.36	48.88	48.74	48.21	48.50	48.49	49.32	49.09	0.6%
ZEVP Legislative Alternative Sales	739.75	784.28	805.04	807.56	855.67	854.53	859.07	906.06	898.57	899.85	895.64	911.21	902.89	N/A
Total Vehicles Sales	2910.6	2998.0	3067.5	3092.9	3094.5	3081.2	3112.6	3102.8	3068.7	3087.3	3087.0	3139.5	3125.1	0.7%

Table 44. Light-Duty Vehicle Sales by Technology Type
(Thousands)
Pacific

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.
Sources: 2001 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 45. Light-Duty Vehicle Sales by Technology Type
(Thousands)
United States

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
New Car Sales 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	8674.0	8191.4	7917.5	7986.7	7843.7	7499.4	7577.4	7571.6	7248.5	7362.0	7595.8	7521.6	7602.1
TDI Diesel ICE	17.9	17.2	16.4	17.2	17.2	16.8	17.1	16.4	16.9	17.3	18.0	17.6	18.0
Total Conventional	8691.9	8208.6	7933.9	8003.9	7860.9	7516.3	7594.5	7588.0	7265.5	7379.3	7613.8	7539.2	7620.1
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	210.0	489.4	468.2	470.7	462.2	436.2	443.5	453.6	448.5	452.2	472.2	474.9	474.7
Ethanol ICE	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.8
Electric Vehicle	2.2	2.5	2.4	2.4	2.3	2.5	2.9	3.0	3.2	3.6	4.5	7.5	12.2
Electric-Diesel Hybrid	2.4	2.0	2.6	3.3	4.5	4.6	5.6	12.5	32.8	31.8	35.0	42.1	39.6
Electric-Gasoline Hybrid	36.7	81.1	110.3	164.7	255.9	251.7	311.6	479.6	730.3	678.2	712.5	823.2	752.3
Compressed Natural Gas ICE	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.4	0.3	0.3	0.3	0.3
Compressed Natural Gas Bi-fuel	12.3	13.3	12.8	12.7	12.4	11.6	11.5	11.5	11.2	11.0	11.1	11.1	11.1
Liquefied Petroleum Gas ICE	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.9	1.1	1.2	1.3
Liquefied Petroleum Gas Bi-fuel	42.7	47.5	45.0	44.7	43.4	40.6	40.3	40.2	39.0	38.3	38.6	38.8	38.8
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.7	1.1	1.4
Total Alternatives	307.9	637.2	642.7	699.8	782.1	748.7	817.2	1002.2	1267.1	1217.4	1276.7	1401.0	1332.5
Percent Alternative Car Sales	3.42	7.20	7.49	8.04	9.05	9.06	9.71	11.67	14.85	14.16	14.36	15.67	14.88
Total New Car Sales	8999.7	8845.8	8576.6	8703.7	8643.1	8265.0	8411.6	8590.2	8532.6	8596.7	8890.5	8940.2	8952.6
New Light Truck Sales 2/													
Conventional Vehicles													
Gasoline ICE Vehicles	7060.3	6358.0	6187.8	6346.2	6348.6	6148.0	6298.6	6466.1	6345.5	6461.3	6727.6	6782.4	6843.0
TDI Diesel ICE	358.3	587.0	559.0	597.3	614.9	606.0	609.7	575.1	595.4	599.8	611.8	591.0	599.8
Total Conventional	7418.6	6945.0	6746.8	6943.5	6963.5	6754.0	6908.3	7041.1	6940.8	7061.1	7339.4	7373.3	7442.8
Alternative-Fuel Vehicles													
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	238.1	570.5	550.3	572.5	569.6	546.4	569.2	591.1	588.7	598.9	630.9	640.9	644.7
Ethanol ICE	0.7	0.7	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	1.0	1.0	1.1
Electric Vehicle	2.7	3.3	3.2	3.3	3.3	6.6	8.5	11.6	13.0	16.2	15.6	17.6	13.9
Electric-Diesel Hybrid	1.4	1.2	1.6	2.0	2.8	2.9	2.8	4.5	10.7	10.9	12.0	13.8	13.9
Electric-Gasoline Hybrid	21.9	41.8	60.4	101.5	160.8	160.9	208.9	295.8	408.4	395.4	415.0	460.8	442.7
Compressed Natural Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Compressed Natural Gas Bi-fuel	26.9	30.4	29.7	30.7	31.1	30.1	31.0	32.0	32.1	32.6	33.9	34.3	34.5
Liquefied Petroleum Gas ICE	0.9	0.7	0.8	0.9	0.9	0.9	1.0	1.1	1.2	1.4	1.6	1.7	1.9
Liquefied Petroleum Gas Bi-fuel	88.7	100.9	98.3	101.8	102.8	99.7	102.8	106.1	106.3	107.9	112.3	113.6	114.3
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.4
Total Alternatives	381.6	749.6	745.0	813.5	872.0	848.4	925.1	1043.1	1161.3	1164.3	1222.5	1284.0	1267.4
Percent Alternative Light Truck Sales	4.89	9.74	9.94	10.49	11.13	11.16	11.81	12.90	14.33	14.15	14.28	14.83	14.55

Table 45. Light-Duty Vehicle Sales by Technology Type
(Thousands)
United States

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total New Truck Sales	7800.3	7694.6	7491.8	7757.0	7835.6	7602.4	7833.4	8084.2	8102.2	8225.4	8561.9	8657.3	8710.1
Percent Total Alternative Sales	4.10	8.38	8.64	9.19	10.04	10.07	10.72	12.27	14.60	14.16	14.32	15.26	14.72
EPACT Legislative Alternative Sales	223.24	264.52	255.70	261.72	261.61	251.37	256.69	262.67	261.15	263.10	271.86	274.55	275.94
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	297.19	565.68	848.74	1110.67	1132.94	1175.06	1223.44	1231.27
Total Vehicles Sales	16800.0	16540.4	16068.4	16460.7	16478.7	15867.4	16245.1	16674.4	16634.7	16822.1	17452.4	17597.5	17662.8

Table 45. Light-Duty Vehicle Sales by Technology Type
(Thousands)
United States

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
New Car Sales 1/														
Conventional Vehicles														
Gasoline ICE Vehicles	7668.1	7738.6	7871.2	7999.3	7814.0	7748.7	7806.7	7679.0	7570.5	7603.7	7591.6	7699.8	7653.7	-0.3%
TDI Diesel ICE	18.6	19.7	20.0	20.6	21.6	21.8	22.6	23.0	22.5	23.1	24.1	25.7	27.8	2.0%
Total Conventional	7686.7	7758.3	7891.2	8019.9	7835.6	7770.5	7829.3	7702.0	7593.0	7626.8	7615.6	7725.5	7681.5	-0.3%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.6%
Ethanol-Flex Fuel ICE	480.1	495.0	506.5	509.1	506.4	501.2	505.5	501.0	492.2	494.3	492.4	501.5	496.2	0.1%
Ethanol ICE	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	3.9%
Electric Vehicle	14.9	23.9	28.4	29.1	43.2	44.5	42.5	59.0	59.5	56.8	55.8	55.2	52.9	13.5%
Electric-Diesel Hybrid	41.8	54.7	56.2	51.4	68.7	70.3	71.9	82.9	78.6	78.1	77.9	83.7	84.1	16.8%
Electric-Gasoline Hybrid	765.4	890.2	918.8	836.2	966.0	963.5	967.9	1016.2	1014.3	1016.9	1010.2	1022.9	1010.5	11.1%
Compressed Natural Gas ICE	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0%
Compressed Natural Gas Bi-fuel	11.2	11.5	11.7	11.8	11.8	11.7	11.8	11.7	11.6	11.6	11.6	11.8	11.7	-0.5%
Liquefied Petroleum Gas ICE	1.5	1.6	1.8	1.9	2.0	2.2	2.3	2.4	2.4	2.5	2.5	2.6	2.6	6.4%
Liquefied Petroleum Gas Bi-fuel	39.2	40.2	41.0	41.2	41.1	40.8	41.1	40.9	40.3	40.5	40.4	41.0	40.7	-0.6%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	1.8	1.5	1.1	1.3	0.9	1.1	1.5	1.3	1.5	2.2	2.5	3.3	4.1	N/A
Total Alternatives	1357.0	1519.8	1566.8	1483.3	1641.5	1636.7	1646.0	1716.9	1702.1	1704.5	1695.0	1723.6	1704.5	4.2%
Percent Alternative Car Sales	15.00	16.38	16.57	15.61	17.32	17.40	17.37	18.23	18.31	18.27	18.20	18.24	18.16	3.9%
Total New Car Sales	9043.7	9278.1	9458.0	9503.2	9477.1	9407.2	9475.3	9418.9	9295.1	9331.3	9310.6	9449.1	9386.0	0.2%
New Light Truck Sales 2/														
Conventional Vehicles														
Gasoline ICE Vehicles	6936.5	7079.0	7238.1	7317.5	7224.4	7182.9	7237.8	7167.7	7089.9	7117.4	7092.5	7182.4	7102.8	0.5%
TDI Diesel ICE	609.7	638.9	639.8	649.7	677.0	674.6	688.8	690.7	661.6	661.5	670.5	693.3	723.3	0.9%
Total Conventional	7546.3	7718.0	7877.9	7967.2	7901.4	7857.6	7926.6	7858.4	7751.5	7778.9	7763.0	7875.7	7826.1	0.5%
Alternative-Fuel Vehicles														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1%
Ethanol-Flex Fuel ICE	655.4	678.7	698.7	704.4	700.9	694.9	701.3	696.0	685.7	689.6	686.8	698.7	689.4	0.8%
Ethanol ICE	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9	2.0	2.1	2.2	2.3	5.3%
Electric Vehicle	9.7	7.8	5.9	5.0	4.6	4.3	4.3	4.2	4.1	4.1	4.1	4.1	4.1	0.9%
Electric-Diesel Hybrid	14.9	19.6	20.4	19.5	25.9	26.4	27.1	31.3	29.2	29.2	29.4	31.7	32.6	14.7%
Electric-Gasoline Hybrid	452.9	510.4	530.9	503.5	560.8	558.4	561.8	588.2	586.2	589.4	587.2	594.3	589.5	11.7%
Compressed Natural Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-1.3%
Compressed Natural Gas Bi-fuel	35.0	36.0	36.8	37.1	37.0	36.8	37.2	37.0	36.5	36.6	36.6	37.1	36.9	0.8%
Liquefied Petroleum Gas ICE	2.1	2.3	2.5	2.7	2.8	3.1	3.2	3.3	3.4	3.6	3.6	3.7	3.9	7.1%
Liquefied Petroleum Gas Bi-fuel	115.9	119.3	122.0	122.9	122.8	122.1	123.2	122.6	121.0	121.5	121.2	123.0	122.2	0.8%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.6	0.5	0.5	0.6	0.5	0.7	1.0	1.0	1.3	1.9	2.3	3.2	4.1	N/A
Total Alternatives	1287.7	1375.9	1419.1	1397.3	1457.0	1448.4	1460.9	1485.4	1469.4	1478.0	1473.4	1498.0	1485.1	2.9%
Percent Alternative Light Truck Sales	14.58	15.13	15.26	14.92	15.57	15.56	15.56	15.90	15.94	15.97	15.95	15.98	15.95	2.1%

Table 45. Light-Duty Vehicle Sales by Technology Type
(Thousands)
United States

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total New Truck Sales	8834.0	9093.8	9297.0	9364.5	9358.4	9306.0	9387.6	9343.8	9221.0	9256.8	9236.3	9373.7	9311.2	0.8%
Percent Total Alternative Sales	14.79	15.76	15.92	15.27	16.45	16.49	16.47	17.07	17.13	17.12	17.08	17.12	17.06	3.0%
EPACT Legislative Alternative Sales	279.61	287.62	293.86	295.83	295.50	293.73	296.21	294.75	290.87	292.00	291.36	295.69	293.72	0.4%
ZEVP Legislative Alternative Sales	1242.44	1317.18	1352.01	1356.20	1436.95	1435.01	1442.61	1521.49	1508.92	1511.06	1503.99	1530.14	1516.18	N/A
Total Vehicles Sales	17877.7	18372.0	18755.1	18867.7	18835.5	18713.2	18862.8	18762.7	18516.1	18588.1	18546.9	18822.8	18697.2	0.5%

Table 45. Light-Duty Vehicle Sales by Technology Type
(Thousands)
United States

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.
Sources: 2001 derived using: California Air Resources Board (CARB), "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; CARB, "Proposed Amendments to California Exhaust and Evaporative Emission Standards and Test Procedures for Passenger, Light-Duty Trucks and Medium-Duty Vehicles - LEVII and Proposed Amendments to California Motor Vehicle Certification: Assembly-Line and In-Use Test Requirements - CAP 2000," (El Monte, CA, September 1998); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 46. Light-Duty Vehicle Stock by Technology Type
(Millions)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Light-Duty Car Stock 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	126.28	127.34	127.89	128.26	128.31	127.86	127.44	126.95	126.12	125.41	124.94	124.43	124.04
TDI Diesel ICE	0.58	0.53	0.48	0.44	0.41	0.38	0.36	0.34	0.32	0.31	0.31	0.30	0.30
Total Conventional	126.87	127.87	128.37	128.70	128.72	128.24	127.79	127.29	126.45	125.72	125.25	124.74	124.34
Alternative-Fuel Vehicles													
Alcohol Fuel Technology													
Methanol-Flex Fuel ICE	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Methanol ICE	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-Flex Fuel ICE	0.77	1.25	1.71	2.16	2.60	3.00	3.40	3.79	4.16	4.51	4.85	5.18	5.48
Ethanol ICE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Natural Gas Technology													
Compressed Natural Gas ICE	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
Compressed Natural Gas Bi-fuel	0.02	0.03	0.04	0.05	0.07	0.08	0.09	0.09	0.10	0.11	0.12	0.13	0.13
Liquefied Petroleum Gas ICE	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
Liquefied Petroleum Gas Bi-fuel	0.01	0.06	0.10	0.15	0.19	0.22	0.26	0.29	0.32	0.35	0.38	0.41	0.43
Electric Technology													
Electric Vehicle	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.05
Electric-Diesel Hybrid	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.04	0.07	0.10	0.14	0.18	0.22
Electric-Gasoline Hybrid	0.04	0.12	0.23	0.39	0.65	0.90	1.21	1.69	2.41	3.07	3.76	4.55	5.25
Fuel Cell Technology													
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Alternatives	0.85	1.49	2.12	2.80	3.55	4.26	5.02	5.95	7.11	8.20	9.30	10.50	11.58
Total Car Stock	127.72	129.36	130.48	131.50	132.27	132.49	132.81	133.23	133.56	133.92	134.55	135.24	135.93
Light-Duty Truck Stock 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	61.31	65.05	68.46	71.87	75.13	78.05	80.95	83.85	86.46	89.01	91.65	94.18	96.59
TDI Diesel ICE	1.33	1.85	2.33	2.86	3.40	3.93	4.46	4.93	5.41	5.87	6.32	6.73	7.12
Total Conventional	62.64	66.89	70.79	74.73	78.53	81.98	85.41	88.78	91.86	94.87	97.97	100.91	103.71
Alternative-Fuel Vehicles													
Alcohol Fuel Technology													
Methanol-Flex Fuel ICE	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
Methanol ICE	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-Flex Fuel ICE	0.85	1.42	1.96	2.51	3.06	3.57	4.09	4.61	5.11	5.59	6.09	6.56	7.02
Ethanol ICE	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Natural Gas Technology													
Compressed Natural Gas ICE	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
Compressed Natural Gas Bi-fuel	0.06	0.09	0.11	0.14	0.17	0.20	0.23	0.25	0.28	0.31	0.33	0.36	0.38
Liquefied Petroleum Gas ICE	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
Liquefied Petroleum Gas Bi-fuel	0.09	0.19	0.28	0.38	0.48	0.57	0.67	0.76	0.86	0.95	1.04	1.12	1.21
Electric Technology													
Electric Vehicle	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.07	0.08	0.10	0.11
Electric-Diesel Hybrid	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.08
Electric-Gasoline Hybrid	0.02	0.06	0.12	0.23	0.39	0.55	0.75	1.05	1.45	1.83	2.23	2.66	3.07
Fuel Cell Technology													
Fuel Cell Gasoline	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
Fuel Cell Methanol	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

Table 46. Light-Duty Vehicle Stock by Technology Type
(Millions)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Fuel Cell 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
Total Alternatives	1.03	1.77	2.50	3.29	4.13	4.94	5.80	6.75	7.80	8.81	9.85	10.90	11.90
Total Truck Stock	63.68	68.66	73.30	78.03	82.67	86.92	91.21	95.53	99.66	103.69	107.82	111.81	115.61
Total Vehicle Stock	191.40	198.02	203.78	209.53	214.94	219.41	224.02	228.77	233.22	237.60	242.37	247.05	251.53

Table 46. Light-Duty Vehicle Stock by Technology Type
(Millions)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Light-Duty Car Stock 1/														
Conventional Vehicles														
Gasoline ICE Vehicles	123.75	123.56	123.55	123.71	123.71	123.68	123.72	123.67	123.51	123.40	123.28	123.27	123.23	-0.1%
TDI Diesel ICE	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.35	-1.7%
Total Conventional	124.04	123.86	123.85	124.01	124.01	123.98	124.04	123.98	123.83	123.72	123.61	123.61	123.57	-0.1%
Alternative-Fuel Vehicles														
Alcohol Fuel Technology														
Methanol-Flex Fuel ICE	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	-10.5%
Methanol ICE	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	4.2%
Ethanol-Flex Fuel ICE	5.76	6.03	6.28	6.52	6.73	6.91	7.08	7.22	7.33	7.43	7.52	7.60	7.67	7.8%
Ethanol ICE	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	9.5%
Natural Gas Technology														
Compressed Natural Gas ICE	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	2.2%
Compressed Natural Gas Bi-fuel	0.14	0.14	0.15	0.15	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	7.6%
Liquefied Petroleum Gas ICE	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	6.0%
Liquefied Petroleum Gas Bi-fuel	0.45	0.47	0.49	0.51	0.53	0.54	0.55	0.56	0.57	0.57	0.58	0.59	0.59	10.1%
Electric Technology														
Electric Vehicle	0.06	0.08	0.11	0.14	0.18	0.22	0.26	0.32	0.37	0.42	0.47	0.51	0.55	20.4%
Electric-Diesel Hybrid	0.26	0.31	0.36	0.41	0.47	0.53	0.59	0.66	0.72	0.77	0.83	0.89	0.94	24.9%
Electric-Gasoline Hybrid	5.94	6.73	7.52	8.19	8.94	9.66	10.33	11.00	11.63	12.21	12.74	13.23	13.66	21.9%
Fuel Cell Technology														
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell Hydrogen	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	N/A
Total Alternatives	12.64	13.81	14.96	15.96	17.05	18.06	19.02	19.97	20.84	21.65	22.37	23.06	23.66	12.2%
Total Car Stock	136.69	137.66	138.80	139.96	141.06	142.05	143.05	143.96	144.68	145.37	145.98	146.67	147.24	0.5%
Light-Duty Truck Stock 1/														
Conventional Vehicles														
Gasoline ICE Vehicles	98.92	101.22	103.52	105.74	107.71	109.49	111.18	112.66	113.93	115.10	116.13	117.15	117.99	2.5%
TDI Diesel ICE	7.49	7.87	8.22	8.56	8.89	9.20	9.49	9.76	9.98	10.18	10.36	10.55	10.75	7.6%
Total Conventional	106.41	109.10	111.75	114.30	116.61	118.69	120.67	122.42	123.91	125.28	126.49	127.70	128.74	2.8%
Alternative-Fuel Vehicles														
Alcohol Fuel Technology														
Methanol-Flex Fuel ICE	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	-7.2%
Methanol ICE	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	4.8%
Ethanol-Flex Fuel ICE	7.45	7.88	8.30	8.70	9.06	9.39	9.70	9.98	10.21	10.43	10.62	10.81	10.97	8.9%
Ethanol ICE	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	9.7%
Natural Gas Technology														
Compressed Natural Gas ICE	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	0.8%
Compressed Natural Gas Bi-fuel	0.40	0.43	0.45	0.47	0.49	0.50	0.52	0.53	0.54	0.55	0.56	0.57	0.58	8.3%
Liquefied Petroleum Gas ICE	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	6.6%
Liquefied Petroleum Gas Bi-fuel	1.29	1.36	1.44	1.51	1.57	1.63	1.69	1.74	1.78	1.82	1.85	1.89	1.91	10.2%
Electric Technology														
Electric Vehicle	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.11	0.11	13.2%
Electric-Diesel Hybrid	0.09	0.11	0.13	0.15	0.17	0.19	0.21	0.24	0.26	0.29	0.31	0.33	0.35	22.7%
Electric-Gasoline Hybrid	3.48	3.92	4.37	4.78	5.22	5.63	6.03	6.43	6.81	7.16	7.48	7.79	8.07	22.3%
Fuel Cell Technology														
Fuel Cell Gasoline	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
Fuel Cell Methanol	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

Table 46. Light-Duty Vehicle Stock by Technology Type
(Millions)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	N/A
Total Alternatives	12.87	13.87	14.86	15.77	16.69	17.53	18.33	19.10	19.79	20.44	21.02	21.58	22.08	11.1%
Total Truck Stock	119.28	122.96	126.61	130.07	133.29	136.22	139.01	141.53	143.70	145.71	147.52	149.28	150.81	3.3%
Total Vehicle Stock	255.97	260.63	265.41	270.04	274.35	278.27	282.06	285.48	288.38	291.08	293.50	295.95	298.05	1.7%

Table 46. Light-Duty Vehicle Stock by Technology Type
(Millions)

1/ Includes personal and fleet vehicles.
ICE = Internal combustion engine.
N/A = Not applicable.
Sources: 2001 derived using: Energy Information Administration (EIA), Household Vehicles Energy Consumption 1994, DOE/EIA-0464(94) (Washington, DC, August 1997); EIA, Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; Federal Highway Administration, Highway Statistics 2000 (Washington, DC, November 2001); Oak Ridge National Laboratory, Transportation Energy Data Book: 21 (Oak Ridge, TN, September 2001); and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 47. Light-Duty Vehicle Miles per Gallon by Technology Type
(Miles per Gallon Gasoline Equivalent)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Automobiles 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	28.14	28.02	27.96	28.14	28.13	28.00	27.91	27.76	27.52	27.62	27.78	27.87	28.02
TDI Diesel ICE	37.95	37.73	37.54	37.82	37.71	37.49	37.22	36.84	36.46	36.50	36.54	36.51	36.57
Alternative-Fuel Vehicles													
Alcohol Fuel Technology													
Methanol-Flex Fuel ICE	26.99	26.92	26.84	26.86	26.88	27.89	27.79	27.62	27.37	27.47	27.63	27.71	27.87
Methanol ICE	28.78	28.64	28.54	28.67	28.67	28.50	28.34	28.14	27.87	27.94	28.10	28.19	28.33
Ethanol-Flex Fuel ICE	27.94	27.82	27.75	27.97	27.93	27.78	27.70	27.54	27.29	27.41	27.58	27.66	27.82
Ethanol ICE	27.71	27.59	27.53	27.65	27.67	27.54	27.44	27.27	27.03	27.14	27.32	27.42	27.58
Natural Gas Technology													
Compressed Natural Gas ICE	28.41	28.31	28.22	28.30	28.34	28.19	28.05	27.87	27.61	27.66	27.77	27.83	27.93
Compressed Natural Gas Bi-fuel	27.10	26.97	26.89	26.96	27.03	26.93	26.83	26.68	26.44	26.52	26.65	26.73	26.84
Liquefied Petroleum Gas ICE	27.85	27.70	27.63	27.75	27.74	27.61	27.49	27.34	27.13	27.27	27.46	27.58	27.76
Liquefied Petroleum Gas Bi-fuel	27.14	26.99	26.91	26.96	27.02	26.90	26.79	26.65	26.42	26.51	26.65	26.74	26.87
Electric Technology													
Electric Vehicle	32.35	34.10	34.44	35.19	38.73	42.11	46.40	52.39	51.33	50.99	50.54	49.99	49.68
Electric-Diesel Hybrid	43.36	43.44	43.29	43.43	43.32	42.98	42.13	41.38	40.88	40.86	40.82	40.75	40.74
Electric-Gasoline Hybrid	39.66	39.24	39.15	39.63	39.72	39.49	39.40	39.16	38.86	38.85	38.83	38.78	38.78
Fuel Cell Technology													
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	44.48	43.88	43.28	42.68	42.64	42.62	42.57	42.54
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	47.43	46.78	46.14	45.50	45.45	45.42	45.38	45.33
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	51.72	51.01	50.30	49.59	49.53	49.48	49.41	49.35
Average New Car Miles per Gallon	28.18	28.09	28.06	28.30	28.37	28.26	28.22	28.23	28.26	28.30	28.47	28.66	28.74
Light-Duty Trucks 1/													
Conventional Vehicles													
Gasoline ICE Vehicles	20.36	20.31	20.28	20.30	20.31	20.35	20.26	20.21	20.05	20.19	20.40	20.52	20.71
TDI Diesel ICE	26.61	26.66	26.52	26.55	26.53	26.54	26.17	25.98	25.73	25.77	25.89	25.94	26.03
Alternative-Fuel Vehicles													
Alcohol Fuel Technology													
Methanol-Flex Fuel ICE	19.34	19.30	20.55	20.58	20.58	20.63	20.53	20.50	20.35	20.50	20.74	20.88	21.08
Methanol ICE	23.00	22.90	22.88	22.93	22.85	22.87	22.73	22.67	22.48	22.61	22.84	22.96	23.15
Ethanol-Flex Fuel ICE	20.13	20.35	20.32	20.36	20.35	20.40	20.30	20.27	20.13	20.27	20.50	20.63	20.83
Ethanol ICE	22.22	22.14	22.14	22.22	22.20	22.24	22.11	22.07	21.90	22.05	22.28	22.44	22.61
Natural Gas Technology													
Compressed Natural Gas ICE	23.73	23.64	23.55	23.62	23.57	23.61	23.39	23.26	23.08	23.15	23.27	23.32	23.45
Compressed Natural Gas Bi-fuel	19.42	19.37	19.32	19.34	19.37	19.42	19.35	19.31	19.17	19.27	19.42	19.52	19.66
Liquefied Petroleum Gas ICE	20.53	20.42	20.35	20.45	20.32	20.34	20.15	20.13	20.00	20.16	20.36	20.49	20.67
Liquefied Petroleum Gas Bi-fuel	19.12	19.08	19.04	19.05	19.06	19.11	19.05	19.00	18.86	18.97	19.15	19.26	19.45
Electric Technology													
Electric Vehicle	23.69	24.97	25.20	25.74	28.31	30.53	33.40	37.57	36.97	36.82	36.82	36.71	36.79
Electric-Diesel Hybrid	33.57	32.80	32.37	32.15	31.92	31.88	31.37	31.68	31.83	31.82	31.83	31.82	31.85

Table 47. Light-Duty Vehicle Miles per Gallon by Technology Type
(Miles per Gallon Gasoline Equivalent)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric-Gasoline Hybrid	30.57	30.63	30.45	30.53	30.43	30.39	29.87	29.63	29.09	29.08	29.10	29.08	29.10
Fuel Cell Technology													
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	38.51	37.59	37.09	36.57	36.52	36.49	36.44	36.40
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	41.10	40.12	39.58	39.02	38.97	38.94	38.89	38.84
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	45.01	43.93	43.34	42.72	42.66	42.62	42.55	42.50
Average New Truck Miles per Gallon	20.58	20.71	20.68	20.76	20.82	20.88	20.80	20.78	20.72	20.83	21.03	21.17	21.34
Fleet Average Stock Car Miles per Gallon 2/	21.99	21.79	21.81	21.83	21.88	21.91	21.93	21.96	21.99	22.03	22.09	22.16	22.23
Fleet Average Stock Truck Miles per Gallon 2/	17.14	16.92	16.86	16.82	16.80	16.78	16.76	16.73	16.71	16.69	16.70	16.71	16.73
Fleet Average Stock Vehicle Miles per Gallon 2/	20.09	19.81	19.73	19.65	19.60	19.54	19.48	19.43	19.37	19.33	19.31	19.31	19.32

Table 47. Light-Duty Vehicle Miles per Gallon by Technology Type
(Miles per Gallon Gasoline Equivalent)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Automobiles 1/														
Conventional Vehicles														
Gasoline ICE Vehicles	28.19	28.33	28.43	28.51	28.62	28.66	28.71	28.77	28.87	28.94	29.01	29.05	29.10	0.2%
TDI Diesel ICE	36.64	36.72	36.73	36.79	36.89	36.91	36.93	36.97	37.04	37.14	37.24	37.32	37.47	0.0%
Alternative-Fuel Vehicles														
Alcohol Fuel Technology														
Methanol-Flex Fuel ICE	28.04	28.18	28.28	28.38	28.48	28.53	28.58	28.64	28.73	28.81	28.88	28.93	28.98	0.3%
Methanol ICE	28.48	28.60	28.71	28.81	28.91	28.98	29.04	29.11	29.21	29.29	29.36	29.42	29.46	0.1%
Ethanol-Flex Fuel ICE	27.99	28.14	28.25	28.35	28.45	28.49	28.54	28.59	28.68	28.76	28.83	28.88	28.94	0.2%
Ethanol ICE	27.75	27.89	28.01	28.12	28.23	28.30	28.36	28.43	28.53	28.61	28.69	28.74	28.80	0.2%
Natural Gas Technology														
Compressed Natural Gas ICE	28.05	28.13	28.19	28.26	28.32	28.35	28.37	28.42	28.49	28.54	28.59	28.61	28.63	0.0%
Compressed Natural Gas Bi-fuel	26.97	27.06	27.12	27.17	27.22	27.24	27.24	27.27	27.34	27.39	27.43	27.45	27.46	0.1%
Liquefied Petroleum Gas ICE	27.97	28.15	28.31	28.44	28.57	28.68	28.76	28.83	28.96	29.05	29.12	29.16	29.22	0.2%
Liquefied Petroleum Gas Bi-fuel	27.03	27.14	27.22	27.30	27.37	27.42	27.45	27.50	27.59	27.65	27.71	27.74	27.76	0.1%
Electric Technology														
Electric Vehicle	49.56	49.44	49.38	49.34	49.26	49.22	49.19	49.13	49.15	49.18	49.21	49.23	49.25	1.5%
Electric-Diesel Hybrid	40.71	40.73	40.68	40.66	40.72	40.68	40.65	40.65	40.65	40.66	40.69	40.70	40.75	-0.3%
Electric-Gasoline Hybrid	38.77	38.77	38.75	38.75	38.77	38.74	38.71	38.71	38.74	38.77	38.80	38.79	38.83	0.0%
Fuel Cell Technology														
Fuel Cell Gasoline	42.50	42.45	42.40	42.35	42.29	42.22	42.15	42.09	42.08	42.08	42.09	42.09	42.10	N/A
Fuel Cell Methanol	45.29	45.23	45.18	45.11	45.04	44.96	44.89	44.81	44.80	44.80	44.80	44.80	44.80	N/A
Fuel Cell Hydrogen	49.28	49.20	49.11	49.02	48.92	48.81	48.70	48.60	48.58	48.58	48.58	48.57	48.58	N/A
Average New Car Miles per Gallon	28.92	29.17	29.27	29.28	29.52	29.57	29.61	29.75	29.85	29.92	29.98	30.02	30.07	0.3%
Light-Duty Trucks 1/														
Conventional Vehicles														
Gasoline ICE Vehicles	20.91	21.06	21.19	21.34	21.47	21.58	21.68	21.79	21.94	22.05	22.15	22.23	22.30	0.4%
TDI Diesel ICE	26.13	26.20	26.27	26.35	26.42	26.46	26.51	26.57	26.67	26.75	26.83	26.88	26.92	0.0%
Alternative-Fuel Vehicles														
Alcohol Fuel Technology														
Methanol-Flex Fuel ICE	21.29	21.45	21.60	21.75	21.89	22.01	22.11	22.23	22.39	22.50	22.61	22.69	22.77	0.7%
Methanol ICE	23.33	23.46	23.57	23.70	23.81	23.91	23.99	24.10	24.24	24.34	24.45	24.53	24.60	0.3%
Ethanol-Flex Fuel ICE	21.04	21.19	21.33	21.48	21.62	21.74	21.84	21.96	22.11	22.22	22.33	22.41	22.49	0.4%
Ethanol ICE	22.80	22.93	23.05	23.18	23.29	23.40	23.49	23.60	23.76	23.87	23.98	24.07	24.14	0.4%
Natural Gas Technology														
Compressed Natural Gas ICE	23.58	23.66	23.73	23.82	23.92	23.98	24.03	24.11	24.24	24.33	24.42	24.48	24.54	0.2%
Compressed Natural Gas Bi-fuel	19.83	19.92	20.02	20.11	20.21	20.28	20.32	20.40	20.51	20.58	20.65	20.70	20.75	0.3%
Liquefied Petroleum Gas ICE	20.89	21.03	21.14	21.27	21.37	21.45	21.52	21.61	21.74	21.82	21.90	21.95	22.00	0.3%
Liquefied Petroleum Gas Bi-fuel	19.65	19.78	19.91	20.04	20.16	20.26	20.33	20.42	20.56	20.65	20.73	20.80	20.86	0.4%
Electric Technology														
Electric Vehicle	37.00	37.20	37.53	37.75	37.85	37.91	37.86	37.88	37.91	37.93	37.96	37.98	38.00	1.8%
Electric-Diesel Hybrid	31.88	31.92	31.94	31.97	32.04	32.05	32.07	32.13	32.21	32.28	32.35	32.41	32.48	0.0%

Table 47. Light-Duty Vehicle Miles per Gallon by Technology Type
(Miles per Gallon Gasoline Equivalent)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electric-Gasoline Hybrid	29.14	29.17	29.18	29.21	29.25	29.26	29.28	29.32	29.41	29.49	29.56	29.61	29.67	-0.1%
Fuel Cell Technology														
Fuel Cell Gasoline	36.35	36.30	36.25	36.18	36.11	36.05	35.98	35.91	35.91	35.91	35.92	35.93	35.94	N/A
Fuel Cell Methanol	38.79	38.74	38.68	38.62	38.55	38.48	38.41	38.35	38.36	38.38	38.40	38.42	38.44	N/A
Fuel Cell Hydrogen	42.44	42.37	42.30	42.22	42.15	42.07	42.00	41.93	41.96	41.99	42.04	42.07	42.11	N/A
Average New Truck Miles per Gallon	21.53	21.71	21.84	21.96	22.14	22.24	22.34	22.47	22.61	22.71	22.82	22.90	22.99	0.4%
Fleet Average Stock Car Miles per Gallon 2/	22.33	22.44	22.57	22.69	22.83	22.98	23.12	23.28	23.34	23.40	23.46	23.53	23.59	0.3%
Fleet Average Stock Truck Miles per Gallon 2/	16.77	16.82	16.88	16.94	17.01	17.08	17.15	17.22	17.31	17.40	17.49	17.57	17.66	0.2%
Fleet Average Stock Vehicle Miles per Gallon 2/	19.34	19.39	19.44	19.50	19.57	19.65	19.73	19.82	19.89	19.95	20.02	20.09	20.16	0.1%

Table 47. Light-Duty Vehicle Miles per Gallon by Technology Type
(Miles per Gallon Gasoline Equivalent)

1/ Fuel efficiencies are EPA rated. Includes personal and fleet vehicles.
2/ Stock values are on-road efficiencies. Includes personal vehicles, fleet vehicles, and freight light trucks.
ICE = Internal combustion engine.
Sources: 2001 derived using: Energy and Environmental Analysis Inc., Updates to the Fuel Economy Model, prepared for Energy Information Administration (EIA) (Washington, DC, June 1998); National Highway Traffic and Safety Administration, Mid-Model Year Fuel Economy Reports from Auto Manufacturers, 2000; Federal Highway Administration, Highway Statistics 2000 (Washington, DC, November 2001); United States Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 48. Light-Duty Vehicle Miles Traveled by Technology Type
(Billion Miles, Unless Otherwise Noted)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Conventional Vehicles 1/													
Gasoline ICE Vehicles	2308.3	2338.2	2399.7	2416.9	2436.0	2470.5	2510.7	2552.4	2592.8	2634.1	2679.9	2721.5	2764.6
TDI Diesel ICE	22.6	27.7	33.0	38.3	43.9	50.0	56.1	61.8	67.8	73.8	79.7	85.1	90.4
Alternative-Fuel Vehicles													
Alcohol Fuel Technology													
Methanol-Flex Fuel ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ethanol-Flex Fuel ICE	19.5	32.8	46.1	58.7	71.1	82.8	94.0	105.1	116.1	126.9	137.9	148.5	158.6
Ethanol ICE	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
Natural Gas Technology													
Compressed Natural Gas ICE	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Compressed Natural Gas Bi-fuel	1.4	2.2	2.9	3.6	4.4	5.0	5.5	5.9	6.4	6.8	7.2	7.6	8.0
Liquefied Petroleum Gas ICE	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
Liquefied Petroleum Gas Bi-fuel	2.0	4.8	7.5	10.3	13.0	15.5	17.2	18.7	20.2	21.7	23.2	24.7	26.1
Electric Technology													
Electric Vehicle	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.1	1.4	1.6	1.9	2.2
Electric-Diesel Hybrid	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.7	1.2	1.7	2.3	2.9	3.6
Electric-Gasoline Hybrid	0.7	2.1	4.1	7.2	11.9	16.8	22.9	32.1	45.6	58.5	72.0	87.3	101.5
Fuel Cell Technology													
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
VMT Equation Components													
Total VMT (billion miles)	2355.1	2408.5	2494.3	2536.1	2581.6	2642.0	2708.2	2778.2	2851.8	2925.4	3004.4	3080.3	3155.9
VMT per Driving Population (thousand miles)	11.4	11.5	11.7	11.8	11.8	12.0	12.1	12.3	12.4	12.6	12.8	13.0	13.1
Driving Population (million)	213.1	215.4	217.8	220.1	222.4	224.8	227.3	229.7	232.1	234.4	236.6	238.7	240.7
Price Effects													
Motor Gasoline Price (1987 $ per million Btu)	8.81	8.20	7.77	8.21	8.07	8.00	8.07	8.09	8.10	8.16	8.17	8.10	8.08
Fleet Miles per Gallon	20.23	19.92	19.81	19.72	19.66	19.59	19.53	19.47	19.43	19.39	19.38	19.38	19.39
Real Cost of Driving per Mile (1987 cents)	7.019	6.640	6.322	6.713	6.619	6.588	6.666	6.695	6.720	6.782	6.801	6.737	6.716
Point Price Elasticity	-0.046	-0.043	-0.040	-0.043	-0.042	-0.041	-0.041	-0.041	-0.041	-0.040	-0.040	-0.039	-0.038
Income Effects													
Disposable Income (billion 1987 dollars)	5737.2	5839.1	6097.6	6196.2	6272.3	6421.2	6598.7	6791.0	7003.7	7225.1	7473.7	7705.6	7944.7
Point Income Elasticity	0.501	0.501	0.507	0.509	0.508	0.510	0.514	0.518	0.523	0.528	0.533	0.538	0.543
Demographic Driving Population Effect													
Percentage Female Driving Population	0.601	0.610	0.617	0.624	0.630	0.636	0.641	0.646	0.650	0.654	0.658	0.661	0.664
Point Demographic Elasticity	0.339	0.341	0.337	0.340	0.342	0.341	0.340	0.338	0.336	0.334	0.330	0.327	0.324

Table 48. Light-Duty Vehicle Miles Traveled by Technology Type
(Billion Miles, Unless Otherwise Noted)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Conventional Vehicles 1/														
Gasoline ICE Vehicles	2809.9	2850.3	2890.4	2932.3	2972.3	3016.3	3065.3	3107.2	3145.6	3188.5	3238.5	3294.0	3346.5	1.5%
TDI Diesel ICE	95.7	100.9	105.6	110.3	115.1	119.9	124.8	129.4	133.3	137.3	141.6	146.1	151.0	7.3%
Alternative-Fuel Vehicles														
Alcohol Fuel Technology														
Methanol-Flex Fuel ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-11.5%
Methanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.2%
Ethanol-Flex Fuel ICE	168.6	178.1	187.3	195.9	204.1	212.1	220.0	227.0	233.3	239.6	246.1	252.8	259.0	9.0%
Ethanol ICE	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	10.3%
Natural Gas Technology														
Compressed Natural Gas ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.5%
Compressed Natural Gas Bi-fuel	8.4	8.8	9.2	9.5	9.9	10.2	10.5	10.7	11.0	11.2	11.4	11.6	11.9	7.3%
Liquefied Petroleum Gas ICE	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0	7.0%
Liquefied Petroleum Gas Bi-fuel	27.5	28.9	30.2	31.5	32.6	33.7	34.8	35.7	36.5	37.2	38.0	38.8	39.6	9.2%
Electric Technology														
Electric Vehicle	2.5	2.8	3.2	3.6	4.1	4.7	5.2	5.9	6.6	7.3	8.0	8.6	9.2	16.5%
Electric-Diesel Hybrid	4.3	5.2	6.1	6.9	8.0	9.1	10.2	11.5	12.7	13.9	15.0	16.3	17.6	25.0%
Electric-Gasoline Hybrid	115.7	131.6	147.4	161.4	177.2	192.8	208.3	223.8	238.6	253.2	267.7	282.1	295.5	22.9%
Fuel Cell Technology														
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.6	N/A
VMT Equation Components														
Total VMT (billion miles)	3233.6	3307.5	3380.4	3452.3	3524.4	3600.0	3680.4	3752.7	3819.2	3889.9	3968.1	4052.5	4132.5	2.3%
VMT per Driving Population (thousand miles)	13.3	13.5	13.7	13.9	14.1	14.3	14.5	14.6	14.8	14.9	15.1	15.3	15.5	1.3%
Driving Population (million)	242.7	244.7	246.7	248.7	250.6	252.6	254.5	256.5	258.5	260.4	262.5	264.5	266.6	0.9%
Price Effects														
Motor Gasoline Price (1987 $ per million Btu)	8.03	8.05	8.04	8.07	8.18	8.21	8.22	8.23	8.21	8.24	8.32	8.37	8.57	0.2%
Fleet Miles per Gallon	19.42	19.47	19.53	19.59	19.67	19.75	19.84	19.93	20.01	20.08	20.15	20.23	20.30	0.1%
Real Cost of Driving per Mile (1987 cents)	6.669	6.666	6.636	6.638	6.706	6.704	6.683	6.654	6.620	6.619	6.657	6.674	6.802	0.1%
Point Price Elasticity	-0.038	-0.037	-0.036	-0.036	-0.036	-0.035	-0.035	-0.034	-0.034	-0.033	-0.033	-0.033	-0.033	-1.1%
Income Effects														
Disposable Income (billion 1987 dollars)	8192.1	8461.4	8727.9	8994.4	9269.1	9555.7	9864.0	10135.4	10386.5	10658.9	10968.7	11302.0	11625.5	2.9%
Point Income Elasticity	0.548	0.553	0.558	0.563	0.568	0.573	0.579	0.583	0.587	0.592	0.597	0.602	0.607	0.8%
Demographic Driving Population Effect														
Percentage Female Driving Population	0.666	0.668	0.670	0.672	0.674	0.675	0.676	0.677	0.677	0.677	0.677	0.677	0.677	0.4%
Point Demographic Elasticity	0.321	0.317	0.314	0.311	0.308	0.304	0.300	0.297	0.294	0.291	0.288	0.284	0.280	-0.8%

Table 48. Light-Duty Vehicle Miles Traveled by Technology Type
(Billion Miles, Unless Otherwise Noted)

1/ Includes personal and fleet vehicles. Includes both cars and light trucks.
VMT = Vehicle miles traveled.
ICE = Internal combustion engine.
N/A = Not applicable.
Sources: 2001 derived using: Federal Highway Administration, Highway Statistics 2000 (Washington, DC, November 2001); Oak Ridge National Laboratory, Transportation Energy Data Book: Edition 22 and Annual (Oak Ridge, TN, September 2002); United States Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); and Energy Information Administration (EIA), AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 49. Summary of New Light-Duty Vehicle Size Class Attributes

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Personal Vehicles													
EPA Rated New Vehicle Fuel Efficiency													
Conventional Cars (miles per gallon)													
Minicompact	24.500	24.449	24.687	24.800	24.895	24.818	25.043	25.044	24.861	25.069	25.397	25.543	25.717
Subcompact	31.037	30.989	30.889	30.931	30.976	30.800	30.632	30.443	30.176	30.274	30.428	30.504	30.657
Compact	30.276	30.206	30.131	30.196	30.297	30.192	30.093	29.968	29.718	29.823	29.983	30.083	30.249
Midsize	26.726	26.665	26.598	26.663	26.734	26.627	26.553	26.423	26.199	26.306	26.478	26.565	26.687
Large	25.264	25.197	25.108	25.108	25.100	24.924	24.769	24.587	24.351	24.431	24.573	24.673	24.820
Two Seater	24.873	24.893	24.952	24.960	25.000	24.868	24.755	24.631	24.423	24.548	24.760	24.872	25.041
Average New Car	28.124	27.984	27.928	28.136	28.105	27.982	27.892	27.739	27.502	27.610	27.765	27.849	28.005
Average New Car On-Road Miles per Gallon	20.942	20.729	20.777	21.019	21.094	21.091	21.113	21.085	20.993	21.163	21.372	21.527	21.737
Conventional Light Trucks													
Small Pickup	22.293	22.231	22.208	22.248	22.297	22.387	22.346	22.321	22.156	22.305	22.518	22.635	22.826
Large Pickup	18.883	18.851	18.818	18.823	18.824	18.853	18.803	18.752	18.612	18.726	18.900	19.032	19.209
Small Van	23.257	23.165	23.073	23.091	23.104	23.112	22.894	22.782	22.571	22.664	22.838	22.921	23.071
Large Van	18.100	18.066	18.027	18.028	18.037	18.087	18.055	18.043	17.912	18.054	18.258	18.406	18.628
Small Utility	21.187	21.123	21.110	21.146	21.185	21.244	21.206	21.197	21.039	21.204	21.459	21.580	21.780
Large Utility	17.510	17.497	17.472	17.482	17.489	17.531	17.452	17.424	17.305	17.423	17.654	17.802	18.006
Average New Light Truck	20.463	20.423	20.390	20.416	20.423	20.469	20.376	20.329	20.167	20.304	20.516	20.633	20.826
Average New Light Truck On-Road MPG	16.627	16.422	16.383	16.388	16.387	16.410	16.322	16.270	16.128	16.223	16.381	16.461	16.601
Degradation Factors 1/													
Cars	0.745	0.741	0.744	0.747	0.751	0.754	0.757	0.760	0.763	0.767	0.770	0.773	0.776
Light Trucks	0.813	0.804	0.803	0.803	0.802	0.802	0.801	0.800	0.800	0.799	0.798	0.798	0.797
New Fuel Efficiency by Size Class 2/													
Alternative-Fuel Cars													
Minicompact	26.32	26.79	27.62	28.60	29.76	29.93	30.53	31.27	31.93	32.19	32.89	33.21	33.39
Subcompact	33.427	32.751	33.126	34.161	35.684	35.660	36.382	38.280	39.751	39.540	39.561	39.896	39.720
Compact	32.516	31.520	31.994	32.956	34.405	34.437	35.209	36.329	37.251	37.031	37.091	37.527	37.342
Midsize	29.277	28.725	29.153	29.920	30.932	30.833	30.887	31.467	32.330	32.151	32.281	32.687	32.531
Large	27.365	26.779	27.162	27.856	28.720	28.611	28.966	30.050	30.781	30.596	30.647	31.014	30.891
Two Seater	26.643	27.097	27.701	28.463	29.384	30.161	31.316	32.162	33.116	33.756	34.995	38.038	40.983
Average New Alternative Cars	29.841	29.236	29.668	30.686	31.713	31.652	32.091	33.076	34.098	33.926	34.026	34.448	34.341
Alternative-Fuel Light Trucks													
Small Pickup	22.517	22.453	22.427	22.465	22.508	22.582	22.531	22.498	22.328	22.490	22.708	22.835	23.032
Large Pickup	19.072	19.037	19.008	19.011	19.011	19.039	18.982	18.932	18.797	18.915	19.095	19.232	19.414
Small Van	25.203	24.439	24.836	25.594	26.670	26.858	27.121	28.091	28.464	28.439	28.447	28.688	28.569
Large Van	18.300	18.261	18.226	18.226	18.234	18.282	18.243	18.232	18.112	18.251	18.458	18.610	18.835
Small Utility	22.441	22.016	22.257	22.712	23.333	23.415	23.634	23.909	24.269	24.305	24.540	24.805	24.884
Large Utility	18.204	17.951	18.065	18.336	18.765	18.847	18.906	19.337	19.901	19.928	20.119	20.377	20.486
Average New Alternative Light Trucks	21.310	21.082	21.309	21.788	22.364	22.502	22.692	23.208	23.638	23.672	23.827	24.099	24.135
Fleet Vehicles													
EPA Rated New Vehicle Fuel Efficiency													
Cars	28.203	28.144	28.066	28.118	28.181	28.052	27.945	27.797	27.556	27.657	27.819	27.909	28.050
Light Trucks	19.551	19.519	19.478	19.490	19.505	19.548	19.465	19.422	19.274	19.393	19.592	19.721	19.910
Average On-Road Miles per Gallon													
Cars	20.850	20.768	20.834	20.932	21.063	21.160	21.225	21.253	21.227	21.242	21.307	21.417	21.596
Light Trucks	15.842	15.726	15.714	15.674	15.641	15.628	15.605	15.581	15.533	15.502	15.503	15.533	15.599

Table 49. Summary of New Light-Duty Vehicle Size Class Attributes

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
New Vehicle Sales Shares (percent)													
Conventional Cars													
Minicompact	0.381	0.356	0.358	0.399	0.375	0.379	0.385	0.381	0.381	0.381	0.379	0.376	0.378
Subcompact	14.539	13.639	13.656	15.149	14.310	14.296	14.459	14.391	14.382	14.482	14.413	14.306	14.394
Compact	33.529	32.214	32.586	34.554	33.196	33.386	33.722	33.595	33.602	33.723	33.639	33.414	33.550
Midsize	34.761	35.900	35.567	33.834	35.038	34.897	34.618	34.716	34.710	34.588	34.663	34.856	34.739
Large	15.097	16.176	16.120	14.385	15.380	15.334	15.112	15.215	15.224	15.131	15.209	15.349	15.241
Two Seater	1.694	1.715	1.713	1.679	1.701	1.707	1.705	1.702	1.701	1.695	1.697	1.699	1.697
Conventional Light Trucks													
Small Pickup	12.508	13.088	12.881	12.020	12.626	12.513	11.994	12.328	12.351	12.376	12.410	12.524	12.452
Large Pickup	21.795	21.670	21.418	21.725	21.755	21.642	21.411	21.548	21.543	21.580	21.557	21.592	21.595
Small Van	17.759	16.918	17.164	18.462	17.544	17.683	17.514	17.704	17.720	17.877	17.808	17.668	17.747
Large Van	2.523	2.505	2.470	2.514	2.515	2.498	2.387	2.462	2.468	2.486	2.481	2.489	2.486
Small Utility	31.709	32.057	32.186	31.548	31.826	31.876	32.556	32.063	32.035	31.866	31.916	31.920	31.908
Large Utility	13.706	13.762	13.880	13.732	13.735	13.788	14.138	13.895	13.883	13.814	13.828	13.807	13.813
New Vehicle Average Horsepower													
Conventional Cars													
Minicompact	241.000	243.527	250.060	250.919	252.217	256.366	262.283	267.315	272.352	274.267	276.461	278.160	279.766
Subcompact	145.508	148.890	154.022	154.062	155.418	158.314	161.430	165.217	169.103	171.039	173.173	174.962	176.675
Compact	137.154	140.189	145.412	145.611	147.527	151.025	154.643	158.965	162.928	164.979	167.178	169.170	170.967
Midsize	177.370	180.668	186.889	187.294	189.405	193.802	198.351	203.307	208.289	210.960	213.945	216.359	218.539
Large	220.713	222.928	226.863	226.819	227.650	231.230	235.266	239.687	244.263	246.083	248.149	250.093	251.973
Two Seater	264.779	267.296	271.190	271.395	272.902	277.513	282.832	288.385	293.617	295.415	297.374	298.894	299.981
Average New Car	167.520	171.840	176.999	175.208	178.177	181.853	185.538	190.156	194.583	196.660	199.192	201.481	203.262
Conventional Light Trucks													
Small Pickup	161.743	164.852	170.543	170.880	172.742	176.155	182.452	187.876	192.267	195.163	197.978	199.867	202.044
Large Pickup	220.453	226.217	233.794	233.834	235.521	238.773	246.999	253.316	258.863	261.592	264.807	267.293	269.784
Small Van	180.807	184.109	190.253	190.334	191.911	194.389	200.435	205.714	210.440	213.099	216.353	218.560	220.898
Large Van	220.000	224.312	231.163	231.215	232.957	236.214	244.442	250.698	256.019	258.882	262.188	264.819	267.497
Small Utility	182.121	186.387	193.057	193.415	195.244	197.932	204.966	210.163	214.561	216.763	219.072	220.577	221.707
Large Utility	241.700	246.550	254.433	254.505	256.131	259.014	267.139	273.094	278.895	281.750	284.946	287.458	289.777
Average New Light Truck	196.815	201.044	207.861	208.258	209.892	212.798	220.204	225.668	230.576	233.134	236.008	238.049	240.038
New Vehicle Average Weight													
Conventional Cars													
Minicompact	3488.000	3492.229	3490.119	3492.739	3494.864	3535.087	3578.906	3624.903	3673.611	3673.237	3670.498	3671.270	3671.182
Subcompact	2775.394	2779.752	2783.444	2786.667	2789.982	2823.453	2862.754	2903.039	2944.671	2946.560	2947.376	2949.102	2950.117
Compact	2831.433	2835.640	2839.544	2842.929	2846.926	2881.908	2922.580	2964.210	3006.659	3008.519	3009.068	3010.912	3012.010
Midsize	3310.185	3314.365	3318.244	3322.154	3326.227	3366.612	3412.533	3459.284	3507.673	3509.986	3511.051	3513.619	3515.470
Large	3681.988	3686.566	3691.065	3695.462	3699.629	3744.252	3795.279	3847.319	3900.474	3903.801	3906.237	3909.252	3911.877
Two Seater	3007.075	3011.331	3014.824	3017.784	3021.142	3057.483	3099.195	3141.897	3186.227	3188.058	3188.286	3190.622	3192.148
Average New Car	3123.583	3142.879	3144.741	3124.712	3143.252	3180.408	3220.960	3267.186	3313.313	3314.035	3316.182	3320.711	3320.698
Conventional Light Trucks													
Small Pickup	3639.872	3646.764	3652.888	3659.711	3666.533	3673.348	3765.968	3820.155	3875.645	3882.031	3887.131	3892.700	3897.938
Large Pickup	4707.611	4716.477	4724.342	4733.213	4741.925	4750.408	4868.926	4937.081	5006.684	5015.047	5022.617	5030.831	5038.662
Small Van	4065.081	4072.712	4079.700	4086.845	4093.716	4100.047	4201.472	4259.573	4320.087	4325.859	4330.471	4336.536	4341.824
Large Van	4748.000	4756.688	4764.321	4772.945	4780.930	4787.769	4902.907	4967.774	5036.605	5042.423	5045.487	5051.193	5055.346
Small Utility	3861.135	3868.523	3874.687	3881.245	3887.593	3893.134	3987.880	4042.172	4100.053	4105.107	4108.396	4113.861	4118.482
Large Utility	5152.408	5161.592	5169.825	5178.843	5187.095	5193.917	5318.005	5387.320	5461.468	5467.348	5470.580	5476.979	5481.636
Average New Light Truck	4253.521	4257.999	4265.030	4278.269	4282.656	4289.450	4397.206	4455.816	4518.758	4524.821	4529.175	4535.024	4540.945
Average Weight for the Stock													

Table 49. Summary of New Light-Duty Vehicle Size Class Attributes

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Conventional Cars	3132	3130	3128	3127	3128	3131	3136	3144	3154	3165	3176	3189	3201
Conventional Light Trucks	4037	4064	4088	4112	4133	4153	4179	4206	4236	4262	4289	4314	4337

Table 49. Summary of New Light-Duty Vehicle Size Class Attributes

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Personal Vehicles														
EPA Rated New Vehicle Fuel Efficiency														
Conventional Cars (miles per gallon)														
Minicompact	25.874	25.964	26.034	26.096	26.162	26.212	26.259	26.307	26.389	26.453	26.521	26.575	26.609	0.4%
Subcompact	30.840	30.984	31.104	31.204	31.299	31.366	31.430	31.510	31.632	31.715	31.793	31.850	31.888	0.1%
Compact	30.454	30.620	30.705	30.772	30.839	30.881	30.919	30.974	31.074	31.138	31.199	31.240	31.267	0.1%
Midsize	26.825	26.919	27.004	27.088	27.164	27.214	27.259	27.305	27.388	27.447	27.504	27.547	27.575	0.1%
Large	24.998	25.144	25.250	25.347	25.447	25.523	25.578	25.649	25.753	25.830	25.909	25.957	25.992	0.1%
Two Seater	25.238	25.363	25.467	25.568	25.668	25.736	25.783	25.840	25.931	26.000	26.072	26.127	26.164	0.2%
Average New Car	28.174	28.324	28.416	28.504	28.611	28.654	28.696	28.765	28.862	28.934	29.007	29.048	29.100	0.2%
Average New Car On-Road Miles per Gallon	21.959	22.167	22.331	22.492	22.669	22.795	22.921	23.069	23.146	23.203	23.262	23.293	23.335	0.5%
Conventional Light Trucks														
Small Pickup	23.041	23.226	23.436	23.604	23.779	23.903	24.026	24.166	24.344	24.468	24.573	24.650	24.718	0.4%
Large Pickup	19.411	19.544	19.684	19.829	19.950	20.066	20.147	20.247	20.383	20.489	20.569	20.633	20.700	0.4%
Small Van	23.211	23.328	23.432	23.552	23.644	23.735	23.824	23.935	24.092	24.202	24.314	24.392	24.463	0.2%
Large Van	18.894	19.048	19.184	19.329	19.463	19.583	19.666	19.776	19.935	20.039	20.156	20.253	20.348	0.5%
Small Utility	22.002	22.176	22.315	22.476	22.625	22.752	22.867	23.000	23.163	23.274	23.393	23.483	23.557	0.5%
Large Utility	18.203	18.333	18.457	18.588	18.707	18.794	18.874	18.979	19.123	19.209	19.307	19.385	19.454	0.4%
Average New Light Truck	21.030	21.177	21.317	21.468	21.597	21.708	21.806	21.920	22.072	22.179	22.281	22.361	22.433	0.4%
Average New Light Truck On-Road MPG	16.751	16.854	16.952	17.059	17.148	17.222	17.286	17.362	17.482	17.566	17.647	17.710	17.767	0.3%
Degradation Factors 1/														
Cars	0.779	0.783	0.786	0.789	0.792	0.796	0.799	0.802	0.802	0.802	0.802	0.802	0.802	0.3%
Light Trucks	0.797	0.796	0.795	0.795	0.794	0.793	0.793	0.792	0.792	0.792	0.792	0.792	0.792	-0.1%
New Fuel Efficiency by Size Class 2/														
Alternative-Fuel Cars														
Minicompact	33.63	33.19	32.98	32.86	32.61	32.61	32.68	32.50	32.54	32.63	32.63	32.67	32.69	0.8%
Subcompact	39.780	40.053	40.079	39.885	40.230	40.280	40.281	40.429	40.531	40.564	40.601	40.616	40.629	0.9%
Compact	37.456	37.834	37.866	37.617	38.052	38.100	38.086	38.270	38.370	38.392	38.420	38.426	38.439	0.8%
Midsize	32.636	33.016	33.071	32.878	33.313	33.349	33.364	33.540	33.605	33.646	33.677	33.726	33.748	0.7%
Large	31.000	31.363	31.423	31.263	31.683	31.737	31.755	31.938	32.044	32.102	32.161	32.189	32.243	0.8%
Two Seater	41.982	43.752	44.307	44.574	45.575	45.669	45.513	46.236	46.320	46.239	46.257	46.200	46.157	2.2%
Average New Alternative Cars	34.466	34.923	35.000	34.818	35.348	35.379	35.365	35.634	35.720	35.750	35.792	35.806	35.849	0.9%
Alternative-Fuel Light Trucks														
Small Pickup	23.252	23.440	23.654	23.848	24.019	24.139	24.266	24.417	24.614	24.755	24.875	24.961	25.030	0.5%
Large Pickup	19.629	19.777	19.930	20.092	20.224	20.337	20.437	20.535	20.664	20.763	20.842	20.905	20.972	0.4%
Small Van	28.546	28.693	28.709	28.625	28.887	28.953	28.987	29.161	29.300	29.374	29.453	29.501	29.560	0.8%
Large Van	19.106	19.274	19.421	19.585	19.731	19.862	19.958	20.073	20.230	20.359	20.461	20.549	20.640	0.5%
Small Utility	25.075	25.372	25.500	25.521	25.831	25.937	26.029	26.225	26.373	26.487	26.592	26.692	26.782	0.8%
Large Utility	20.669	20.907	21.016	21.032	21.305	21.383	21.441	21.614	21.755	21.832	21.918	21.980	22.051	0.9%
Average New Alternative Light Trucks	24.275	24.542	24.639	24.637	24.970	25.061	25.136	25.338	25.486	25.586	25.688	25.762	25.860	0.9%
Fleet Vehicles														
EPA Rated New Vehicle Fuel Efficiency														
Cars	28.217	28.343	28.438	28.524	28.606	28.662	28.711	28.769	28.866	28.934	28.999	29.046	29.076	0.1%
Light Trucks	20.111	20.246	20.377	20.514	20.634	20.736	20.820	20.927	21.074	21.174	21.272	21.348	21.420	0.4%
Average On-Road Miles per Gallon														
Cars	21.793	21.987	22.182	22.366	22.534	22.689	22.835	22.976	23.028	23.082	23.139	23.194	23.236	0.5%
Light Trucks	15.714	15.835	15.949	16.062	16.164	16.249	16.327	16.401	16.489	16.575	16.659	16.743	16.821	0.3%

Table 49. Summary of New Light-Duty Vehicle Size Class Attributes

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
New Vehicle Sales Shares (percent)														
Conventional Cars														
Minicompact	0.377	0.379	0.378	0.380	0.384	0.380	0.379	0.379	0.379	0.380	0.382	0.381	0.387	0.3%
Subcompact	14.365	14.450	14.412	14.467	14.594	14.477	14.443	14.453	14.444	14.499	14.561	14.521	14.722	0.3%
Compact	33.471	33.611	33.575	33.655	33.849	33.657	33.611	33.584	33.538	33.634	33.749	33.690	33.985	0.2%
Midsize	34.802	34.678	34.724	34.654	34.483	34.651	34.691	34.719	34.757	34.671	34.570	34.618	34.356	-0.2%
Large	15.286	15.185	15.215	15.148	14.998	15.139	15.181	15.171	15.188	15.123	15.047	15.098	14.864	-0.4%
Two Seater	1.699	1.696	1.697	1.696	1.692	1.695	1.696	1.695	1.695	1.693	1.691	1.692	1.687	-0.1%
Conventional Light Trucks														
Small Pickup	12.478	12.418	12.451	12.433	12.355	12.434	12.461	12.478	12.500	12.459	12.388	12.427	12.294	-0.3%
Large Pickup	21.592	21.594	21.607	21.613	21.617	21.632	21.632	21.664	21.682	21.677	21.667	21.660	21.671	0.0%
Small Van	17.713	17.805	17.765	17.817	17.948	17.821	17.786	17.764	17.731	17.801	17.884	17.855	18.052	0.3%
Large Van	2.484	2.488	2.491	2.492	2.492	2.493	2.495	2.498	2.501	2.501	2.500	2.500	2.502	0.0%
Small Utility	31.920	31.882	31.881	31.848	31.797	31.831	31.838	31.822	31.818	31.795	31.784	31.786	31.716	0.0%
Large Utility	13.813	13.812	13.804	13.797	13.791	13.789	13.788	13.774	13.768	13.768	13.776	13.772	13.766	0.0%
New Vehicle Average Horsepower														
Conventional Cars														
Minicompact	281.329	282.829	284.195	285.430	286.544	287.596	288.590	289.349	289.727	290.050	290.405	290.701	290.929	0.7%
Subcompact	178.327	179.845	181.216	182.476	183.577	184.632	185.683	186.607	187.260	187.737	188.190	188.613	188.822	1.0%
Compact	172.797	174.493	176.065	177.448	178.670	179.948	181.253	182.331	183.136	183.798	184.480	185.210	185.652	1.2%
Midsize	220.714	222.755	224.646	226.378	227.929	229.438	230.956	232.207	233.125	233.849	234.585	235.342	235.787	1.1%
Large	253.887	255.692	257.338	258.820	260.124	261.408	262.741	264.000	264.854	265.538	266.272	266.843	267.138	0.8%
Two Seater	301.071	302.119	303.121	304.011	304.823	305.567	306.241	306.872	307.099	307.216	307.375	307.564	307.646	0.6%
Average New Car	205.252	206.908	208.607	210.014	211.138	212.646	214.033	215.171	216.023	216.577	217.131	217.856	217.921	1.0%
Conventional Light Trucks														
Small Pickup	204.278	206.151	207.723	209.200	210.540	211.755	212.995	214.145	214.896	215.501	216.205	216.478	216.508	1.1%
Large Pickup	272.224	274.320	275.853	277.431	278.768	279.318	279.829	280.339	280.326	280.301	280.254	280.255	280.245	0.9%
Small Van	223.133	225.204	226.811	228.355	229.745	231.086	232.490	233.728	234.473	235.103	235.723	236.251	236.676	1.1%
Large Van	270.148	272.418	274.137	275.883	277.440	278.756	280.107	281.023	280.905	280.746	280.565	280.440	280.307	0.9%
Small Utility	222.405	223.082	223.769	224.472	225.166	225.860	226.574	227.192	227.359	227.428	227.518	227.559	227.565	0.8%
Large Utility	291.992	293.930	295.503	297.110	298.599	300.009	301.423	302.837	303.181	303.129	303.044	302.995	302.907	0.9%
Average New Light Truck	241.827	243.435	244.723	246.014	247.198	248.145	249.110	250.003	250.325	250.525	250.741	250.859	250.957	0.9%
New Vehicle Average Weight														
Conventional Cars														
Minicompact	3673.220	3676.467	3678.593	3681.114	3683.390	3686.327	3689.163	3691.486	3688.986	3686.467	3683.800	3682.156	3680.790	0.2%
Subcompact	2951.026	2952.427	2954.254	2956.227	2958.100	2960.145	2962.070	2964.140	2962.194	2960.413	2958.771	2957.435	2956.094	0.3%
Compact	3013.574	3015.530	3017.355	3019.225	3020.995	3023.022	3024.944	3026.858	3024.801	3022.827	3021.021	3019.682	3018.361	0.3%
Midsize	3517.579	3520.085	3522.511	3524.897	3527.199	3529.744	3532.217	3534.802	3532.668	3530.517	3528.490	3526.968	3525.475	0.3%
Large	3914.451	3917.293	3920.680	3923.543	3926.162	3928.616	3931.108	3934.180	3931.849	3929.692	3927.922	3926.034	3924.142	0.3%
Two Seater	3194.079	3196.545	3198.696	3200.805	3202.744	3204.870	3206.610	3208.889	3206.874	3204.874	3202.919	3201.495	3200.202	0.3%
Average New Car	3323.253	3323.890	3326.686	3327.926	3327.742	3332.208	3335.002	3337.397	3335.641	3332.547	3329.452	3328.698	3323.683	0.2%
Conventional Light Trucks														
Small Pickup	3902.589	3907.866	3912.678	3918.323	3923.594	3929.272	3935.208	3941.029	3939.428	3938.210	3937.268	3936.924	3936.517	0.3%
Large Pickup	5046.192	5054.021	5060.603	5068.726	5076.997	5085.232	5093.471	5101.422	5099.896	5098.469	5096.791	5096.113	5095.363	0.3%
Small Van	4346.601	4352.079	4357.239	4363.313	4369.753	4376.037	4382.561	4388.442	4385.718	4382.808	4379.405	4376.881	4374.473	0.3%
Large Van	5058.758	5063.922	5069.647	5077.003	5084.863	5093.280	5101.767	5109.501	5107.370	5104.478	5101.186	5098.911	5096.491	0.3%
Small Utility	4123.195	4128.965	4134.639	4141.109	4147.598	4153.935	4160.266	4166.145	4163.932	4161.444	4158.828	4156.713	4154.509	0.3%
Large Utility	5486.006	5491.463	5497.430	5505.098	5513.312	5521.479	5530.380	5538.772	5536.345	5533.088	5529.397	5526.693	5523.703	0.3%
Average New Light Truck	4546.017	4552.454	4558.042	4564.994	4572.403	4579.040	4586.029	4592.795	4590.672	4588.586	4586.426	4584.417	4583.354	0.3%
Average Weight for the Stock														

Table 49. Summary of New Light-Duty Vehicle Size Class Attributes

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Conventional Cars	3213	3225	3236	3246	3256	3265	3274	3282	3289	3295	3301	3305	3309	0.2%
Conventional Light Trucks	4359	4380	4399	4417	4434	4449	4465	4479	4491	4502	4511	4520	4528	0.5%

Table 49. Summary of New Light-Duty Vehicle Size Class Attributes

1/ Conversion factor used to convert Environmental Protection Agency rated to "on road" miles per gallon.
2/ Environmental Protection Agency rated miles per gallon.
Sources: 2001 derived using: Energy and Environmental Analysis Inc., Updates to the Fuel Economy Model, prepared for Energy Information Administration (EIA) (Washington, DC, June 1998); National Highway Traffic and Safety Administration, Mid-Year Fuel Economy Reports from Auto Manufacturers, 1998; Federal Highway Administration, Highway Statistics 2000 (Washington, DC, November 2001); Oak Ridge National Laboratory, "Fleet Vehicles in the United States: Composition, Operating Characteristics, and Fueling Practices," prepared for the U.S. Department of Energy, Office of Transportation Technologies, and Office of Policy, Planning, and Analysis (Oak Ridge, TN, March 1992); and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO99 National Energy Modeling System run aeo2003.d110502c.

Table 50. Transportation Fleet Car and Truck Fuel Consumption by Type and Technology
(Trillion Btu)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Cars 1/													
Conventional Gasoline	744.36	758.14	747.09	734.63	707.99	654.59	627.95	610.15	594.07	584.29	575.51	567.04	561.45
Distillate	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
Methanol													
Flex	0.78	0.62	0.46	0.26	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neat	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													
Flex	5.24	14.51	23.03	31.37	38.99	40.41	39.87	38.78	37.75	36.98	36.42	35.93	35.52
Neat	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
Compressed Natural Gas	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
Compressed Natural Gas Bi-fuel	1.43	2.70	3.86	5.00	6.06	6.76	7.00	6.80	6.61	6.45	6.33	6.25	6.18
Liquefied Petroleum Gas	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
Liquefied Petroleum Gas Bi-fuel	1.33	7.04	12.33	17.55	22.43	25.31	26.17	25.42	24.73	24.14	23.72	23.42	23.15
Electric	0.41	0.59	0.76	0.92	1.04	1.05	0.92	0.82	0.73	0.66	0.62	0.61	0.60
Electric-Diesel Hybrid	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
Electric-Gasoline Hybrid	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
Fuel Cell													
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Fleet Cars	753.54	783.61	787.53	789.73	776.64	728.12	701.90	681.97	663.88	652.52	642.61	633.24	626.91
Light Trucks 1/													
Conventional Gasoline	849.55	812.79	772.80	731.74	686.27	628.25	629.99	639.55	646.99	654.78	669.38	680.98	688.20
Distillate	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
Methanol													
Flex	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neat	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													
Flex	1.25	14.38	27.04	40.33	53.69	66.38	70.11	71.07	71.92	72.74	74.21	75.52	76.36
Neat	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
Compressed Natural Gas	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
Compressed Natural Gas Bi-fuel	8.39	11.82	15.10	18.60	22.08	25.30	25.32	25.68	25.96	26.25	26.85	27.34	27.68
Liquefied Petroleum Gas	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
Liquefied Petroleum Gas Bi-fuel	14.02	28.02	41.50	55.65	69.89	83.39	85.64	86.88	87.85	88.84	90.80	92.42	93.46
Electric	0.29	0.65	1.00	1.36	1.68	1.95	1.97	1.84	1.72	1.62	1.58	1.57	1.58
Electric-Diesel Hybrid	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
Electric-Gasoline Hybrid	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
Fuel Cell													
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Fleet Light Trucks	873.52	867.69	857.45	847.69	833.60	805.26	813.03	825.02	834.44	844.24	862.82	877.83	887.28
Total Fleet Vehicles	1627.06	1651.30	1644.98	1637.42	1610.24	1533.38	1514.94	1506.98	1498.32	1496.76	1505.43	1511.07	1514.19
Commercial Light Trucks 2/	634.64	603.87	596.29	613.35	631.46	645.00	663.16	685.21	707.27	730.41	755.71	779.09	801.10

Table 50. Transportation Fleet Car and Truck Fuel Consumption by Type and Technology
(Trillion Btu)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Cars 1/														
Conventional Gasoline	559.51	560.51	563.52	567.21	569.29	567.10	563.58	558.77	554.72	552.19	548.46	547.73	548.06	-1.3%
Distillate	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
Methanol														
Flex	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	-28.2%
Neat	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														
Flex	35.32	35.34	35.49	35.67	35.78	35.69	35.52	35.23	34.98	34.80	34.59	34.52	34.49	3.7%
Neat	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
Compressed Natural Gas	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
Compressed Natural Gas Bi-fuel	6.14	6.14	6.17	6.20	6.22	6.22	6.22	6.18	6.15	6.13	6.10	6.09	6.08	3.4%
Liquefied Petroleum Gas	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
Liquefied Petroleum Gas Bi-fuel	22.97	22.96	23.05	23.16	23.22	23.21	23.15	23.01	22.86	22.75	22.63	22.60	22.56	5.0%
Electric	0.60	0.60	0.61	0.61	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.1%
Electric-Diesel Hybrid	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
Electric-Gasoline Hybrid	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
Fuel Cell														
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Fleet Cars	624.54	625.55	628.84	632.85	635.13	632.83	629.08	623.81	619.34	616.48	612.40	611.55	611.80	-1.0%
Light Trucks 1/														
Conventional Gasoline	694.57	702.75	709.71	715.98	721.44	724.51	725.44	722.87	716.73	711.43	706.47	702.91	699.29	-0.6%
Distillate	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
Methanol														
Flex	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	-14.4%
Neat	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														
Flex	77.03	77.90	78.66	79.28	79.80	80.09	80.21	79.93	79.25	78.64	78.08	77.70	77.29	7.3%
Neat	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
Compressed Natural Gas	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
Compressed Natural Gas Bi-fuel	27.98	28.37	28.71	29.01	29.28	29.46	29.55	29.50	29.30	29.13	28.97	28.86	28.75	3.8%
Liquefied Petroleum Gas	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
Liquefied Petroleum Gas Bi-fuel	94.36	95.52	96.48	97.32	98.06	98.50	98.68	98.38	97.59	96.92	96.30	95.87	95.41	5.2%
Electric	1.61	1.65	1.68	1.71	1.74	1.76	1.78	1.79	1.78	1.78	1.78	1.78	1.78	4.3%
Electric-Diesel Hybrid	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
Electric-Gasoline Hybrid	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
Fuel Cell														
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Fleet Light Trucks	895.56	906.18	915.24	923.30	930.31	934.33	935.65	932.47	924.65	917.90	911.60	907.12	902.51	0.2%
Total Fleet Vehicles	1520.10	1531.73	1544.08	1556.15	1565.44	1567.16	1564.73	1556.28	1543.98	1534.38	1524.00	1518.67	1514.32	-0.4%
Commercial Light Trucks 2/	820.57	839.86	855.41	868.82	883.25	898.44	915.83	930.57	944.72	961.86	979.23	999.15	1015.66	2.2%

Table 50. Transportation Fleet Car and Truck Fuel Consumption by Type and Technology
(Trillion Btu)

1/ Includes all fleets of 10 or more.
2/ Commercial trucks from 8,500 to 10,000 pounds.
ICE = Internal combustion engine.
N/A = Not Applicable.
Sources: 2001 derived using: Oak Ridge National Laboratory, "Fleet Vehicles in the United States: Composition, Operating Characteristics, and Fueling Practices," prepared for the Department of Energy, Office of Transportation Technologies, and Office of Policy, Planning, and Analysis (Oak Ridge, TN, March 1992); Bobit Publishing Company, Fleet Fact Book, various issues (Redondo Beach, California); United States Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); Federal Highway Administration, Highway Statistics 2000 (Washington, DC, November 2001); Decision Analysis Corporation of Virginia, NEMS Transportation Sector Model: Development of the Light Commercial Truck Model, Final Report, Subtask 19-2, prepared for the Energy Information Administration (EIA) (April 23, 1997); and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 51. Transportation Fleet Car and Truck Sales by Type and Technology
(Thousands)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Cars 1/													
Conventional Gasoline	1587.37	1511.09	1433.83	1423.35	1381.93	1291.35	1283.60	1279.53	1239.85	1217.82	1227.04	1233.90	1235.61
Distillate	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
Methanol													
Flex	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
Neat	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													
Flex	79.76	84.78	80.44	79.86	77.53	72.45	72.02	71.79	69.56	68.33	68.84	69.23	69.32
Neat	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
Compressed Natural Gas	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
Compressed Natural Gas Bi-fuel	11.00	12.29	11.66	11.58	11.24	10.50	10.44	10.41	10.09	9.91	9.98	10.04	10.05
Liquefied Petroleum Gas	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
Liquefied Petroleum Gas Bi-fuel	42.64	47.41	44.99	44.66	43.36	40.51	40.27	40.14	38.90	38.21	38.50	38.71	38.77
Electric	2.16	2.51	2.38	2.37	2.30	2.15	2.14	2.13	2.06	2.03	2.04	2.05	2.06
Electric-Diesel Hybrid	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
Electric-Gasoline Hybrid	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
Fuel Cell													
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Fleet Cars	1722.94	1658.08	1573.31	1561.81	1516.36	1416.97	1408.47	1404.00	1360.45	1336.28	1346.40	1353.93	1355.81
Light Trucks 1/													
Conventional Gasoline	823.96	783.56	762.91	789.91	797.92	774.17	797.70	823.24	825.07	837.62	871.88	881.60	886.98
Distillate	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
Methanol													
Flex	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
Neat	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													
Flex	72.10	82.41	80.24	83.08	83.92	81.42	83.90	86.58	86.78	88.09	91.70	92.72	93.29
Neat	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
Compressed Natural Gas	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
Compressed Natural Gas Bi-fuel	26.71	30.30	29.50	30.55	30.86	29.94	30.85	31.84	31.91	32.39	33.72	34.09	34.30
Liquefied Petroleum Gas	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
Liquefied Petroleum Gas Bi-fuel	88.69	100.92	98.26	101.74	102.77	99.71	102.74	106.03	106.27	107.88	112.30	113.55	114.24
Electric	2.74	3.27	3.19	3.30	3.33	3.24	3.33	3.44	3.45	3.50	3.64	3.68	3.71
Electric-Diesel Hybrid	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
Electric-Gasoline Hybrid	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
Fuel Cell													
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Fleet Light Trucks	1014.21	1000.47	974.10	1008.58	1018.80	988.48	1018.53	1051.14	1053.47	1069.49	1113.24	1125.65	1132.52
Total Fleet Vehicles	2737.15	2658.55	2547.42	2570.40	2535.17	2405.46	2426.99	2455.13	2413.92	2405.77	2459.64	2479.58	2488.33
Commercial Light Trucks 2/	449.58	455.72	455.46	479.68	493.35	487.74	512.37	539.32	551.44	571.25	606.80	626.14	642.85

Table 51. Transportation Fleet Car and Truck Sales by Type and Technology
(Thousands)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Cars 1/														
Conventional Gasoline	1248.18	1280.54	1305.36	1311.60	1308.00	1298.35	1307.74	1299.97	1282.88	1287.87	1285.02	1304.13	1295.43	-0.6%
Distillate	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
Methanol														
Flex	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	-0.6%
Neat	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														
Flex	70.03	71.84	73.24	73.59	73.39	72.84	73.37	72.93	71.98	72.26	72.10	73.17	72.68	-0.6%
Neat	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
Compressed Natural Gas	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
Compressed Natural Gas Bi-fuel	10.15	10.42	10.62	10.67	10.64	10.56	10.64	10.57	10.44	10.48	10.45	10.61	10.54	-0.6%
Liquefied Petroleum Gas	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
Liquefied Petroleum Gas Bi-fuel	39.16	40.18	40.95	41.15	41.04	40.73	41.03	40.79	40.25	40.41	40.32	40.92	40.64	-0.6%
Electric	2.08	2.13	2.17	2.18	2.18	2.16	2.18	2.16	2.13	2.14	2.14	2.17	2.15	-0.6%
Electric-Diesel Hybrid	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
Electric-Gasoline Hybrid	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
Fuel Cell														
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Fleet Cars	1369.60	1405.10	1432.35	1439.19	1435.24	1424.65	1434.96	1426.42	1407.67	1413.15	1410.02	1430.99	1421.44	-0.6%
Light Trucks 1/														
Conventional Gasoline	899.59	926.05	946.74	953.61	952.99	947.65	955.96	951.50	939.00	942.65	940.56	954.55	948.18	0.8%
Distillate	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
Methanol														
Flex	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	0.8%
Neat	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														
Flex	94.61	97.40	99.57	100.29	100.23	99.67	100.54	100.07	98.76	99.14	98.92	100.39	99.72	0.8%
Neat	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
Compressed Natural Gas	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
Compressed Natural Gas Bi-fuel	34.79	35.81	36.61	36.88	36.86	36.65	36.97	36.80	36.31	36.46	36.37	36.92	36.67	0.8%
Liquefied Petroleum Gas	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
Liquefied Petroleum Gas Bi-fuel	115.87	119.28	121.94	122.83	122.75	122.06	123.13	122.55	120.94	121.41	121.14	122.95	122.13	0.8%
Electric	3.76	3.87	3.96	3.99	3.98	3.96	4.00	3.98	3.92	3.94	3.93	3.99	3.96	0.8%
Electric-Diesel Hybrid	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
Electric-Gasoline Hybrid	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
Fuel Cell														
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Fleet Light Trucks	1148.62	1182.41	1208.83	1217.60	1216.81	1209.99	1220.60	1214.91	1198.94	1203.60	1200.93	1218.80	1210.67	0.8%
Total Fleet Vehicles	2518.23	2587.51	2641.17	2656.79	2652.05	2634.64	2655.56	2641.33	2606.61	2616.75	2610.95	2649.79	2632.11	0.0%
Commercial Light Trucks 2/	665.28	698.72	728.69	748.61	762.88	773.41	795.26	806.65	811.50	830.21	843.93	872.32	882.28	2.8%

Table 51. Transportation Fleet Car and Truck Sales by Type and Technology
(Thousands)

1/ Includes all fleets of 10 or more.
2/ Commercial trucks from 8,500 to 10,000 pounds.
ICE = Internal combustion engine.
N/A = Not Applicable.
Sources: 2001 derived using: Oak Ridge National Laboratory, "Fleet Vehicles in the United States: Composition, Operating Characteristics, and Fueling Practices," prepared for the Department of Energy, Office of Transportation Technologies, and Office of Policy, Planning, and Analysis (Oak Ridge, TN, March 1992); Bobit Publishing Company, Fleet Fact Book, various issues (Redondo Beach, California); United States Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); Federal Highway Administration, Highway Statistics 2000 (Washington, DC, November 2001); Decision Analysis Corporation of Virginia, NEMS Transportation Sector Model: Development of the Light Commercial Truck Model, Final Report, Subtask 19-2, prepared for the Energy Information Administration (EIA) (April 23, 1997); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 52. Transportation Fleet Car and Truck Stock by Type and Technolgy

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Cars 1/													
Conventional Gasoline	6099.66	6236.90	6197.55	6099.58	5894.08	5464.93	5270.41	5132.44	4996.56	4919.82	4864.27	4822.52	4817.95
Distillate	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
Methanol													
Flex	6.22	4.96	3.72	2.42	1.11	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neat	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													
Flex	40.94	117.57	189.40	258.65	322.41	333.79	331.11	322.73	314.19	308.04	304.35	301.84	300.82
Neat	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
Compressed Natural Gas	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
Compressed Natural Gas Bi-fuel	11.46	21.46	30.70	39.74	48.13	53.79	56.05	54.60	53.21	51.96	51.18	50.78	50.51
Liquefied Petroleum Gas	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
Liquefied Petroleum Gas Bi-fuel	10.70	55.90	98.27	139.74	178.76	201.73	209.94	204.55	199.28	194.75	191.94	190.41	189.46
Electric	3.98	5.80	7.51	9.19	10.70	11.28	10.65	10.39	10.11	9.89	9.77	9.69	9.64
Electric-Diesel Hybrid	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
Electric-Gasoline Hybrid	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
Fuel Cell													
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Fleet Cars	6172.97	6442.59	6527.15	6549.32	6455.19	6065.58	5878.17	5724.72	5573.36	5484.47	5421.51	5375.24	5368.38
Light Trucks 1/													
Conventional Gasoline	5285.22	5060.74	4835.35	4550.96	4244.67	3875.90	3889.31	3945.38	3982.94	4024.00	4116.38	4200.05	4265.04
Distillate	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
Methanol													
Flex	0.16	0.13	0.10	0.07	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neat	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													
Flex	7.57	88.71	167.43	248.52	329.40	406.09	429.05	434.67	439.14	443.57	452.99	462.35	469.72
Neat	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
Compressed Natural Gas	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
Compressed Natural Gas Bi-fuel	54.94	75.22	94.83	114.95	134.89	153.55	153.86	156.07	157.55	159.12	162.76	166.08	168.64
Liquefied Petroleum Gas	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
Liquefied Petroleum Gas Bi-fuel	87.42	171.83	253.66	337.37	421.16	500.70	514.71	522.01	527.02	532.29	544.31	555.44	564.05
Electric	2.39	5.24	8.01	10.86	13.70	16.39	17.48	17.69	17.88	18.06	18.43	18.81	19.12
Electric-Diesel Hybrid	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
Electric-Gasoline Hybrid	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
Fuel Cell													
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Fleet Light Trucks	5437.71	5401.87	5359.38	5262.73	5143.86	4952.64	5004.40	5075.83	5124.53	5177.05	5294.86	5402.73	5486.58
Total Fleet Vehicles	11610.67	11844.46	11886.53	11812.05	11599.05	11018.22	10882.57	10800.55	10697.89	10661.52	10716.37	10777.97	10854.96
Commercial Light Trucks 2/	5828.92	5609.92	5539.06	5588.33	5707.87	5850.95	6027.97	6228.04	6427.73	6629.53	6845.57	7058.09	7264.85

Table 52. Transportation Fleet Car and Truck Stock by Type and Technolgy

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Cars 1/														
Conventional Gasoline	4845.97	4898.95	4969.85	5043.47	5100.13	5117.18	5120.61	5109.99	5085.33	5074.02	5052.88	5058.09	5069.27	-0.9%
Distillate	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
Methanol														
Flex	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	-27.9%
Neat	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														
Flex	301.83	304.88	309.04	313.26	316.73	318.36	319.16	318.78	317.35	316.53	315.45	315.63	315.92	4.2%
Neat	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
Compressed Natural Gas	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
Compressed Natural Gas Bi-fuel	50.50	50.91	51.56	52.20	52.75	53.11	53.37	53.40	53.19	53.04	52.88	52.91	52.88	3.8%
Liquefied Petroleum Gas	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
Liquefied Petroleum Gas Bi-fuel	189.55	191.18	193.64	196.08	198.17	199.47	200.37	200.39	199.60	199.04	198.44	198.53	198.49	5.4%
Electric	9.66	9.75	9.88	10.00	10.11	10.18	10.22	10.21	10.17	10.14	10.11	10.11	10.11	2.3%
Electric-Diesel Hybrid	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
Electric-Gasoline Hybrid	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
Fuel Cell														
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Fleet Cars	5397.51	5455.67	5533.97	5615.03	5677.90	5698.31	5703.73	5692.76	5665.65	5652.77	5629.77	5635.27	5646.67	-0.5%
Light Trucks 1/														
Conventional Gasoline	4337.20	4423.54	4500.41	4571.91	4636.02	4682.24	4712.82	4719.12	4705.32	4695.16	4687.24	4687.44	4684.52	-0.3%
Distillate	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
Methanol														
Flex	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	-14.3%
Neat	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														
Flex	477.47	486.95	495.74	503.51	510.47	515.72	519.53	520.61	519.28	518.18	517.27	517.41	516.97	7.6%
Neat	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
Compressed Natural Gas	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
Compressed Natural Gas Bi-fuel	171.50	174.93	177.97	180.78	183.32	185.20	186.46	186.73	186.20	185.80	185.50	185.49	185.35	3.8%
Liquefied Petroleum Gas	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
Liquefied Petroleum Gas Bi-fuel	573.57	585.05	595.26	604.65	613.14	619.43	623.69	624.66	622.92	621.58	620.56	620.57	620.09	5.5%
Electric	19.43	19.81	20.18	20.49	20.77	20.99	21.15	21.20	21.16	21.11	21.07	21.08	21.06	6.0%
Electric-Diesel Hybrid	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
Electric-Gasoline Hybrid	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
Fuel Cell														
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Fleet Light Trucks	5579.16	5690.29	5789.57	5881.34	5963.72	6023.58	6063.66	6072.33	6054.87	6041.84	6031.64	6031.99	6028.00	0.5%
Total Fleet Vehicles	10976.67	11145.97	11323.53	11496.37	11641.62	11721.89	11767.39	11765.09	11720.51	11694.61	11661.40	11667.26	11674.67	-0.1%
Commercial Light Trucks 2/	7474.65	7702.49	7948.35	8204.37	8466.06	8729.04	9003.11	9274.95	9535.43	9796.32	10051.13	10313.42	10564.10	2.7%

Table 52. Transportation Fleet Car and Truck Stock by Type and Technolgy

1/ Includes all fleets of 10 or more.
2/ Commercial trucks from 8,500 to 10,000 pounds.
ICE = Internal combustion engine.
N/A = Not applicable.
Sources: 2001 derived using: Oak Ridge National Laboratory, "Fleet Vehicles in the United States: Composition, Operating Characteristics, and Fueling Practices," prepared for the Department of Energy, Office of Transportation Technologies, and Office of Policy, Planning, and Analysis (Oak Ridge, TN, March 1992); Bobit Publishing Company, Fleet Fact Book, various issues (Redondo Beach, California); United States Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); Federal Highway Administration, Highway Statistics 2000 (Washington, DC, November 2001); Decision Analysis Corporation of Virginia, NEMS Transportation Sector Model: Development of the Light Comercial Truck Model, Final Report, Subtask 19-2, (April 23, 1997); Energy Information Administration (EIA), Describing Current and Potential Markets for Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1998, http://www.eia.doe.gov/cneaf/alt_trans98/table1.html; and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 53. Transportation Fleet Car and Truck Vehicle Miles Traveled by Truck and Technology

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Cars 1/													
Conventional Gasoline	122.26	125.98	125.81	124.33	120.61	112.09	107.86	104.92	102.02	100.40	99.20	98.25	98.11
Distillate	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
Methanol													
Flex	0.12	0.10	0.08	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Neat	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													
Flex	0.82	2.37	3.84	5.27	6.60	6.85	6.78	6.60	6.41	6.29	6.21	6.15	6.13
Neat	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
Compressed Natural Gas	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
Compressed Natural Gas Bi-fuel	0.23	0.43	0.62	0.81	0.98	1.10	1.15	1.12	1.09	1.06	1.04	1.03	1.03
Liquefied Petroleum Gas	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
Liquefied Petroleum Gas Bi-fuel	0.21	1.13	1.99	2.85	3.66	4.14	4.30	4.18	4.07	3.97	3.91	3.88	3.86
Electric	0.08	0.12	0.15	0.19	0.22	0.23	0.22	0.21	0.21	0.20	0.20	0.20	0.20
Electric-Diesel Hybrid	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
Electric-Gasoline Hybrid	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
Fuel Cell													
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Fleet Cars	123.73	130.14	132.50	133.50	132.09	124.41	120.30	117.03	113.79	111.92	110.56	109.51	109.32
Light Trucks 1/													
Conventional Gasoline	105.94	102.23	98.16	92.76	86.86	79.50	79.60	80.66	81.32	82.12	83.95	85.57	86.85
Distillate	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
Methanol													
Flex	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
Neat	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													
Flex	0.15	1.79	3.40	5.07	6.74	8.33	8.78	8.89	8.97	9.05	9.24	9.42	9.57
Neat	0.15	1.79	3.40	5.07	6.74	8.33	8.78	8.89	8.97	9.05	9.24	9.42	9.57
Compressed Natural Gas	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
Compressed Natural Gas Bi-fuel	1.10	1.52	1.93	2.34	2.76	3.15	3.15	3.19	3.22	3.25	3.32	3.38	3.43
Liquefied Petroleum Gas	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
Liquefied Petroleum Gas Bi-fuel	1.75	3.47	5.15	6.88	8.62	10.27	10.53	10.67	10.76	10.86	11.10	11.32	11.49
Electric	0.05	0.11	0.16	0.22	0.28	0.34	0.36	0.36	0.37	0.37	0.38	0.38	0.39
Electric-Diesel Hybrid	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
Electric-Gasoline Hybrid	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
Fuel Cell													
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Fleet Light Truck	109.15	110.91	112.19	112.34	112.00	109.92	111.20	112.65	113.59	114.70	117.22	119.49	121.29
Total Fleet Vehicles	232.88	241.05	244.70	245.84	244.09	234.33	231.49	229.69	227.39	226.62	227.78	229.00	230.61
Commercial Light Trucks 2/	69.10	66.20	65.68	67.79	69.93	71.52	73.56	75.96	78.28	80.78	83.58	86.22	88.80

Table 53. Transportation Fleet Car and Truck Vehicle Miles Traveled by Truck and Technology

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Cars 1/														
Conventional Gasoline	98.67	99.73	101.15	102.66	103.81	104.12	104.14	103.89	103.37	103.14	102.70	102.81	103.05	-0.8%
Distillate	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
Methanol														
Flex	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	-27.9%
Neat	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														
Flex	6.15	6.21	6.29	6.38	6.45	6.48	6.49	6.48	6.45	6.43	6.41	6.42	6.42	4.2%
Neat	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
Compressed Natural Gas	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
Compressed Natural Gas Bi-fuel	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.09	1.08	1.08	1.07	1.08	1.08	3.9%
Liquefied Petroleum Gas	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
Liquefied Petroleum Gas Bi-fuel	3.86	3.89	3.94	3.99	4.03	4.06	4.07	4.07	4.06	4.05	4.03	4.04	4.04	5.4%
Electric	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	2.4%
Electric-Diesel Hybrid	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
Electric-Gasoline Hybrid	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
Fuel Cell														
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Fleet Cars	109.90	111.06	112.63	114.29	115.57	115.94	116.00	115.73	115.16	114.90	114.42	114.54	114.79	-0.5%
Light Trucks 1/														
Conventional Gasoline	88.31	90.05	91.60	93.06	94.36	95.27	95.84	95.94	95.64	95.44	95.27	95.27	95.23	-0.3%
Distillate	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
Methanol														
Flex	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	-14.3%
Neat	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														
Flex	9.72	9.91	10.09	10.25	10.39	10.49	10.57	10.58	10.56	10.53	10.51	10.52	10.51	7.6%
Neat	9.72	9.91	10.09	10.25	10.39	10.49	10.57	10.58	10.56	10.53	10.51	10.52	10.51	7.6%
Compressed Natural Gas	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
Compressed Natural Gas Bi-fuel	3.49	3.56	3.62	3.68	3.73	3.77	3.79	3.80	3.78	3.78	3.77	3.77	3.77	3.9%
Liquefied Petroleum Gas	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
Liquefied Petroleum Gas Bi-fuel	11.68	11.91	12.12	12.31	12.48	12.60	12.68	12.70	12.66	12.63	12.61	12.61	12.61	5.5%
Electric	0.40	0.40	0.41	0.42	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	6.0%
Electric-Diesel Hybrid	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
Electric-Gasoline Hybrid	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
Fuel Cell														
Fuel Cell Gasoline	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
Fuel Cell Methanol	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
Fuel Cell 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
Total Fleet Light Truck	123.32	125.75	127.93	129.96	131.78	133.05	133.88	134.04	133.63	133.35	133.11	133.12	133.05	0.8%
Total Fleet Vehicles	233.22	236.81	240.56	244.26	247.35	248.99	249.88	249.77	248.80	248.25	247.53	247.65	247.85	0.1%
Commercial Light Trucks 2/	91.20	93.66	95.78	97.72	99.84	102.07	104.59	106.83	109.05	111.64	114.28	117.24	119.80	2.5%

1/ Includes all fleets of 10 or more.
2/ Commercial trucks from 8,500 to 10,000 pounds.
ICE = Internal combustion engine.
N/A = Not applicable.
Sources: 2001 derived using: Oak Ridge National Laboratory, "Fleet Vehicles in the United States: Composition, Operating Characteristics, and Fueling Practices," prepared for the Department of Energy, Office of Transportation Technologies, and Office of Policy, Planning, and Analysis (Oak Ridge, TN, March 1992); Bobit Publishing Company, Fleet Fact Book, various issues (Redondo Beach, California); Federal Highway Administration, Highway Statistics 2000 (Washington, DC, November 2001); Decision Analysis Corporation of Virginia, NEMS Transportation Sector Model: Development of the Light Comercial Truck Model, Final Report, Subtask 19-2, (April 23, 1997); and Energy Information Administration (EIA), AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 54. Air Travel Energy Use

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Fuel Cost (1987 dollars per million Btu)	5.1	4.4	4.2	4.5	4.1	4.0	3.9	3.9	4.0	4.0	4.0	4.1	4.1
Macro Variables (1996 dollars)													
Gross Domestic Product	9191.4	9214.5	9439.7	9743.3	10074.5	10361.2	10666.6	11017.3	11407.9	11810.3	12258.4	12671.3	13081.8
Disposable Income	6630.3	6748.0	7046.8	7160.7	7248.8	7420.8	7625.9	7848.1	8094.0	8349.8	8637.2	8905.1	9181.4
Real Merchandise Exports	834.7	785.2	762.7	823.6	888.4	938.5	1018.7	1088.1	1171.9	1269.8	1372.8	1481.8	1595.2
Yield (ticket price, 1996 dollars) 1/	13.5	12.2	13.1	13.1	12.7	12.5	12.3	12.1	12.0	11.8	11.9	11.9	11.8
Travel Demand (billion miles)													
Revenue Passenger Miles Domestic	509.4	481.4	489.6	478.7	479.2	494.2	511.0	528.7	548.9	569.8	587.6	605.7	625.0
Personal	278.7	248.9	272.1	260.7	259.9	268.1	277.6	287.2	298.2	309.7	319.3	329.1	339.8
Business	230.8	232.5	217.6	218.0	219.2	226.1	233.4	241.6	250.7	260.1	268.2	276.6	285.2
Load Factor, Domestic 2/	0.71	0.70	0.70	0.70	0.71	0.71	0.71	0.71	0.72	0.72	0.72	0.73	0.73
Revenue Passenger Miles, International	190.3	176.5	192.1	190.6	191.2	197.4	204.3	211.8	220.1	228.7	236.1	243.7	251.8
Load Factor, International 2/	0.76	0.74	0.76	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.77
Revenue Ton Miles, Freight (billion)	19.9	18.0	13.6	14.4	14.6	15.6	17.1	18.3	19.9	21.7	23.7	25.7	27.9
Seat Miles Demanded (billion)	1167.8	1108.5	1085.7	1073.4	1074.0	1110.1	1154.9	1199.0	1249.8	1305.3	1355.4	1407.7	1462.5
Narrow Body Aircraft	604.1	567.7	550.5	538.8	533.7	546.2	562.5	578.2	596.6	616.9	634.1	652.0	670.6
Wide Body Aircraft	563.7	540.8	535.2	534.6	540.2	564.0	592.4	620.9	653.2	688.4	721.2	755.7	791.8
Aircraft Sales													
Narrow Body Aircraft	276.6	235.1	199.8	169.8	144.4	122.7	104.3	88.7	132.9	304.1	280.7	289.1	299.2
Wide Body Aircraft	77.8	66.1	56.2	47.8	40.6	34.5	22.2	91.5	101.4	109.0	104.9	109.5	114.4
Aircraft Stock													
Narrow Body Aircraft	5016.5	5136.0	5216.5	5264.4	5285.5	5284.1	5264.1	5228.0	5235.5	5412.9	5564.6	5721.7	5884.8
Wide Body Aircraft	1167.2	1215.4	1251.6	1277.2	1293.6	1302.0	1296.4	1358.6	1429.3	1506.4	1578.3	1653.6	1732.8
Advanced Technology Penetration													
Ultra-high Bypass	0.07	0.03	0.04	0.15	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Propfan	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
Thermodynamics	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
Hybrid Laminar Flow	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
Advanced Aerodynamics	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
Weight Reducing Materials	0.00	0.01	0.02	0.04	0.08	0.14	0.25	0.40	0.57	0.73	0.85	0.92	0.96
New Aircraft Efficiency 3/													
Narrow Body Aircraft	49.7	50.1	50.5	50.8	51.1	51.4	51.7	52.0	52.3	52.6	53.1	53.5	53.9
Wide Body Aircraft	59.9	60.3	60.6	60.9	61.1	61.3	61.6	61.7	62.1	62.5	62.9	63.2	63.6
Average Aircraft	51.6	52.0	52.4	52.7	53.0	53.3	53.2	56.6	56.2	54.9	55.4	55.8	56.3
Aircraft Stock Efficiency 3/													
Narrow Body Aircraft	46.6	46.9	47.3	47.6	47.9	48.1	48.4	48.7	49.0	49.4	49.7	50.1	50.5
Wide Body Aircraft	56.2	56.5	56.8	57.0	57.2	57.4	57.6	57.9	58.3	58.7	59.0	59.4	59.7
Average Aircraft	50.8	51.2	51.5	51.8	52.2	52.5	52.7	53.1	53.4	53.9	54.3	54.7	55.1
Fuel Consumption (trillion Btu)													
Commercial													
Jet Fuel	3103.3	2924.3	2844.8	2794.7	2779.7	2857.1	2956.7	3049.7	3156.9	3271.1	3371.2	3475.2	3583.3
Aviation Gasoline	42.6	42.5	42.4	42.3	42.3	42.3	42.2	42.2	42.2	42.2	42.1	42.1	42.1
Military													
Jet Fuel	476.7	501.7	518.2	552.2	560.0	555.9	557.1	557.2	558.5	560.1	561.6	562.9	567.7

Table 54. Air Travel Energy Use

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Fuel Cost (1987 dollars per million Btu)	4.2	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.6	4.7	4.7	4.7	4.8	0.3%
Macro Variables (1996 dollars)														
Gross Domestic Product	13479.9	13892.9	14287.9	14680.7	15101.4	15540.1	16013.0	16450.0	16887.9	17362.6	17858.1	18388.7	18916.5	3.0%
Disposable Income	9467.3	9778.5	10086.6	10394.5	10712.0	11043.2	11399.6	11713.2	12003.3	12318.1	12676.2	13061.4	13435.3	2.9%
Real Merchandise Exports	1716.8	1845.5	1977.3	2115.7	2273.3	2452.6	2638.6	2827.0	3025.8	3243.9	3476.9	3719.1	3985.5	7.0%
Yield (ticket price, 1996 dollars) 1/	11.8	11.7	11.7	11.7	11.8	11.9	12.1	12.2	12.4	12.7	13.0	13.4	13.8	0.5%
Travel Demand (billion miles)														
Revenue Passenger Miles Domestic	644.1	664.2	683.1	702.5	720.0	737.5	752.6	767.2	779.9	791.8	802.0	811.5	819.5	2.2%
Personal	350.5	361.9	372.9	384.5	394.9	405.2	414.1	422.6	429.9	436.6	442.3	447.7	452.2	2.5%
Business	293.6	302.2	310.2	318.0	325.2	332.3	338.6	344.6	350.1	355.2	359.7	363.8	367.3	1.9%
Load Factor, Domestic 2/	0.73	0.73	0.74	0.74	0.74	0.74	0.75	0.75	0.75	0.75	0.75	0.76	0.76	0.4%
Revenue Passenger Miles, International	259.9	268.4	276.4	284.3	291.5	298.6	304.8	310.7	315.9	320.7	324.8	328.7	331.9	2.7%
Load Factor, International 2/	0.77	0.78	0.78	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.79	0.3%
Revenue Ton Miles, Freight (billion)	30.2	32.6	35.2	37.9	41.0	44.5	48.3	52.1	56.1	60.6	65.3	70.4	75.9	6.2%
Seat Miles Demanded (billion)	1519.5	1577.9	1636.5	1695.2	1756.1	1819.3	1881.8	1942.3	2002.4	2064.0	2126.8	2189.6	2255.6	3.0%
Narrow Body Aircraft	689.8	709.2	728.1	746.7	765.8	785.5	804.3	821.9	838.8	856.0	873.2	890.0	907.7	2.0%
Wide Body Aircraft	829.7	868.7	908.3	948.5	990.3	1033.9	1077.5	1120.5	1163.6	1208.0	1253.6	1299.6	1348.0	3.9%
Aircraft Sales														
Narrow Body Aircraft	309.5	317.1	320.7	325.1	338.0	351.8	353.7	351.8	354.6	364.7	371.8	373.2	385.2	2.1%
Wide Body Aircraft	119.3	123.3	125.9	128.7	134.2	140.0	142.1	142.9	145.4	150.7	155.4	158.5	165.9	3.9%
Aircraft Stock														
Narrow Body Aircraft	6053.1	6222.9	6389.3	6552.4	6719.9	6892.4	7057.6	7211.9	7360.5	7511.2	7662.4	7809.6	7964.7	1.8%
Wide Body Aircraft	1815.6	1901.0	1987.7	2075.5	2167.0	2262.5	2357.9	2451.9	2546.3	2643.6	2743.3	2844.0	2949.8	3.8%
Advanced Technology Penetration														
Ultra-high Bypass	0.15	0.29	0.47	0.65	0.82	0.91	0.96	0.98	0.99	1.00	1.00	1.00	1.00	15.1%
Propfan	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
Thermodynamics	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
Hybrid Laminar Flow	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
Advanced Aerodynamics	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
Weight Reducing Materials	0.98	0.99	0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	21.2%
New Aircraft Efficiency 3/														
Narrow Body Aircraft	54.3	54.7	55.1	55.5	55.9	56.4	56.8	57.2	57.6	58.1	58.5	58.9	59.4	0.7%
Wide Body Aircraft	64.0	64.4	65.3	66.3	67.2	67.7	68.0	68.1	68.1	68.2	68.2	68.5	68.9	0.6%
Average Aircraft	56.7	57.1	57.6	58.2	58.7	59.2	59.6	60.0	60.3	60.7	61.1	61.5	61.9	0.7%
Aircraft Stock Efficiency 3/														
Narrow Body Aircraft	50.9	51.3	51.7	52.0	52.4	52.8	53.2	53.6	54.0	54.4	54.8	55.2	55.7	0.7%
Wide Body Aircraft	60.1	60.4	60.8	61.2	61.6	62.0	62.4	62.8	63.2	63.6	63.9	64.2	64.6	0.6%
Average Aircraft	55.5	55.9	56.3	56.8	57.2	57.7	58.1	58.6	59.0	59.4	59.8	60.3	60.7	0.7%
Fuel Consumption (trillion Btu)														
Commercial														
Jet Fuel	3695.3	3809.0	3920.6	4030.0	4141.8	4256.9	4368.9	4475.8	4580.7	4688.3	4797.6	4905.5	5019.0	2.3%
Aviation Gasoline	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	0.0%
Military														
Jet Fuel	574.6	581.6	588.6	595.7	602.9	610.1	617.4	624.7	632.1	639.6	647.1	654.7	662.4	1.2%

Table 54. Air Travel Energy Use

1/ Fraction of seats filled.
2/ 1992 cents per passenger mile.
3/ Seat miles per gallon.
Btu = British thermal unit.
N/A = Not applicable.
Sources: 2001 derived using: Decision Analysis Corporation of Virginia, NEMS Transportation Sector Model: Model Maintenance Re-Estimation of the Air Travel Demand Model, Subtask 22-1(a), (September 30, 1997); Federal Aviation Administration (FAA), FAA Aviation Forecasts, Fiscal Years 1998-2009, FAA-APO 98-1, and previous editions; United States Department of Transportation (DOT), Research and Special Programs Administration (RSPA), Fuel Cost and Consumption Tables, annual summaries, 1979-1990; U.S. Department of Transportation, RSPA, Air Carrier Financial Statistics Quarterly, December 1999/1998; U.S. Department of Transportation, RSPA, Air Carrier Statistics Monthly, December 2001/2000 (Washington, DC, 2001); Greene, D.L., "Energy Efficiency Improvement Potential of Commercial Aircraft to 2010," ORNL-6622, 6/1990; Rathi, A. B. Peterson, and D. Greene, Air Transport Energy Use Model, Oak Ridge National Laboratory, April 1991, Draft; Energy Information Administration (EIA), State Energy Data Report 1999, DOE/EIA-0214(99) (Washington, DC, May 2001); Department of Defense, Defense Energy Support Center, Fact Book: Fiscal Year 1999; and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 55. Freight Transportation Energy Use

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Existing Trucks by Size Class													
Vehicle Miles Traveled (billion miles)													
Medium													
Diesel	31.98	32.03	31.88	33.29	34.57	35.46	36.57	37.88	39.17	40.64	42.29	43.88	45.33
Gasoline	15.71	14.05	13.23	13.12	12.77	12.21	11.77	11.40	11.03	10.73	10.52	10.34	10.18
Liquefied Petroleum Gas	0.44	0.38	0.35	0.33	0.31	0.30	0.29	0.29	0.30	0.32	0.33	0.35	0.37
Compressed Natural Gas	0.04	0.04	0.06	0.08	0.13	0.19	0.27	0.36	0.47	0.60	0.73	0.86	0.99
Medium Subtotal	48.16	46.51	45.52	46.82	47.78	48.17	48.90	49.93	50.97	52.29	53.87	55.43	56.86
Heavy													
Diesel	157.28	157.51	156.57	163.41	170.18	175.12	180.85	187.31	193.40	200.18	207.64	214.72	221.03
Gasoline	1.85	1.58	1.44	1.38	1.31	1.23	1.17	1.12	1.08	1.05	1.04	1.04	1.04
Liquefied Petroleum Gas	0.02	0.03	0.03	0.05	0.06	0.09	0.10	0.13	0.14	0.16	0.18	0.19	0.20
Compressed Natural Gas	0.02	0.04	0.05	0.08	0.13	0.19	0.27	0.36	0.46	0.56	0.66	0.76	0.85
Heavy Subtotal	159.17	159.15	158.09	164.91	171.68	176.63	182.39	188.92	195.09	201.96	209.52	216.71	223.11
Total Vehicle Miles Traveled	207.34	205.66	203.61	211.74	219.47	224.79	231.29	238.85	246.05	254.25	263.40	272.14	279.97
Consumption (trillion Btu)													
Medium													
Diesel	490.80	488.07	482.98	501.97	519.22	530.86	546.30	565.19	584.10	606.03	630.63	654.37	676.09
Gasoline	233.98	208.42	195.64	193.40	187.71	179.14	172.28	166.49	160.71	156.09	152.69	149.66	146.90
Liquefied Petroleum Gas	8.96	7.78	7.03	6.60	6.15	5.72	5.48	5.40	5.45	5.62	5.83	6.06	6.26
Compressed Natural Gas	0.62	0.74	0.95	1.35	2.05	3.03	4.24	5.74	7.47	9.42	11.50	13.62	15.66
Medium Subtotal	734.36	705.01	686.61	703.32	715.12	718.75	728.30	742.83	757.74	777.15	800.65	823.72	844.90
Heavy													
Diesel	3606.13	3587.55	3547.49	3688.47	3830.69	3934.47	4060.10	4204.26	4341.11	4493.21	4658.28	4809.92	4936.88
Gasoline	33.44	28.40	25.69	24.64	23.32	21.82	20.66	19.75	18.98	18.47	18.20	18.04	17.95
Liquefied Petroleum Gas	0.35	0.46	0.61	0.82	1.13	1.48	1.82	2.17	2.51	2.83	3.11	3.34	3.51
Compressed Natural Gas	0.42	0.62	0.90	1.38	2.21	3.33	4.64	6.18	7.86	9.63	11.40	13.08	14.54
Heavy Subtotal	3640.34	3617.04	3574.69	3715.30	3857.36	3961.09	4087.22	4232.36	4370.45	4524.13	4690.99	4844.38	4972.88
Medium and Heavy Total													
Diesel	4096.93	4075.63	4030.47	4190.44	4349.90	4465.33	4606.40	4769.46	4925.21	5099.24	5288.92	5464.29	5612.96
Gasoline	267.43	236.82	221.34	218.04	211.03	200.96	192.93	186.25	179.69	174.56	170.89	167.71	164.86
Liquefied Petroleum Gas	9.31	8.24	7.64	7.42	7.28	7.20	7.30	7.57	7.96	8.44	8.94	9.40	9.76
Compressed Natural Gas	1.04	1.36	1.86	2.72	4.26	6.35	8.89	11.92	15.33	19.04	22.90	26.70	30.20
Total	4374.71	4322.05	4261.30	4418.62	4572.48	4679.84	4815.52	4975.20	5128.19	5301.28	5491.64	5668.10	5817.78
Fuel Efficiency (gasoline equivalent)													
Medium													
Diesel	8.19	8.26	8.30	8.33	8.35	8.37	8.39	8.40	8.41	8.42	8.42	8.43	8.43
Gasoline	8.40	8.42	8.44	8.46	8.48	8.51	8.52	8.54	8.57	8.59	8.61	8.63	8.66
Liquefied Petroleum Gas	6.16	6.20	6.26	6.33	6.43	6.54	6.64	6.75	6.86	6.97	7.07	7.16	7.24
Compressed Natural Gas	7.40	7.58	7.70	7.79	7.85	7.88	7.89	7.89	7.90	7.90	7.91	7.92	7.93
Medium Average	8.24	8.29	8.32	8.35	8.37	8.39	8.41	8.42	8.43	8.44	8.45	8.45	8.46
Heavy													
Diesel	5.46	5.49	5.52	5.54	5.56	5.57	5.57	5.57	5.57	5.57	5.57	5.58	5.60
Gasoline	6.91	6.95	6.99	7.02	7.05	7.07	7.09	7.10	7.12	7.14	7.16	7.19	7.22
Liquefied Petroleum Gas	6.60	6.84	6.97	7.06	7.13	7.18	7.20	7.22	7.23	7.24	7.25	7.25	7.26
Compressed Natural Gas	7.00	7.08	7.14	7.18	7.22	7.24	7.25	7.25	7.26	7.26	7.26	7.27	7.27
Heavy Average	5.47	5.50	5.53	5.55	5.57	5.58	5.58	5.58	5.58	5.58	5.59	5.60	5.61

Table 55. Freight Transportation Energy Use

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Average	5.93	5.95	5.98	5.99	6.00	6.01	6.01	6.00	6.00	6.00	6.00	6.01	6.02
Stock (millions)													
Medium													
Diesel	1.94	2.01	2.07	2.14	2.23	2.35	2.45	2.56	2.67	2.78	2.90	3.02	3.15
Gasoline	2.08	2.02	1.96	1.90	1.85	1.81	1.76	1.72	1.68	1.64	1.60	1.57	1.54
Liquefied Petroleum Gas	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Compressed Natural Gas	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.07
Medium Subtotal	4.08	4.09	4.08	4.09	4.14	4.21	4.28	4.34	4.42	4.50	4.59	4.69	4.79
Heavy													
Diesel	4.06	4.16	4.24	4.32	4.47	4.64	4.81	4.98	5.15	5.33	5.53	5.73	5.93
Gasoline	0.39	0.37	0.34	0.32	0.30	0.28	0.27	0.25	0.24	0.23	0.21	0.21	0.20
Liquefied Petroleum Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Compressed Natural Gas	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04
Heavy Subtotal	4.45	4.53	4.59	4.65	4.78	4.94	5.09	5.25	5.41	5.59	5.78	5.97	6.17
Total Stock	8.53	8.62	8.67	8.74	8.92	9.15	9.37	9.59	9.83	10.09	10.37	10.67	10.97
New Trucks by Size Class													
Fuel Efficiency (gasoline equivalent)													
Medium													
Diesel	8.79	8.79	8.67	8.59	8.52	8.50	8.48	8.48	8.48	8.47	8.47	8.46	8.46
Gasoline	9.02	9.02	8.99	8.97	8.94	8.92	8.90	8.89	8.91	8.92	8.95	8.96	8.98
Liquefied Petroleum Gas	8.03	8.03	8.01	7.99	7.97	7.96	7.95	7.94	7.95	7.97	7.98	7.99	8.00
Compressed Natural Gas	8.02	8.01	7.99	7.97	7.95	7.92	7.91	7.90	7.91	7.92	7.94	7.95	7.96
Medium Average	8.83	8.82	8.72	8.64	8.57	8.54	8.52	8.52	8.51	8.51	8.50	8.50	8.50
Heavy													
Diesel	5.77	5.77	5.76	5.68	5.63	5.61	5.59	5.58	5.58	5.59	5.61	5.65	5.72
Gasoline	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
Liquefied Petroleum Gas	7.30	7.28	7.28	7.28	7.28	7.28	7.28	7.28	7.28	7.28	7.28	7.28	7.28
Compressed Natural Gas	7.28	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27
Heavy Average	5.77	5.78	5.76	5.69	5.64	5.62	5.60	5.59	5.59	5.60	5.62	5.67	5.73
Average	6.14	6.14	6.13	6.05	6.00	5.98	5.96	5.95	5.95	5.96	5.98	6.02	6.08
Sales (millions)													
Medium													
Diesel	0.17	0.13	0.12	0.13	0.16	0.18	0.18	0.19	0.20	0.21	0.22	0.23	0.23
Gasoline	0.05	0.04	0.03	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Liquefied Petroleum Gas	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
Compressed Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Medium Subtotal	0.22	0.17	0.15	0.16	0.21	0.24	0.23	0.24	0.25	0.27	0.28	0.29	0.30
Heavy													
Diesel	0.34	0.26	0.23	0.25	0.32	0.35	0.35	0.36	0.38	0.39	0.41	0.43	0.44
Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
Liquefied Petroleum Gas	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
Compressed Natural Gas	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
Heavy Subtotal	0.35	0.26	0.24	0.25	0.33	0.36	0.36	0.37	0.39	0.41	0.42	0.44	0.45
Total Sales	0.57	0.43	0.39	0.42	0.54	0.60	0.59	0.61	0.64	0.67	0.70	0.73	0.75
Railroads													
Ton Miles by Rail (billion ton miles)	1389.71	1447.95	1404.14	1432.42	1453.67	1475.18	1520.88	1562.70	1592.79	1628.12	1669.37	1718.37	1749.28
Fuel Efficiency (ton miles per thousand Btu)	2.80	2.82	2.85	2.88	2.91	2.94	2.97	3.00	3.03	3.06	3.09	3.12	3.15
Fuel Consumption (trillion Btu)													

Table 55. Freight Transportation Energy Use

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Distillate (diesel)	497.15	512.81	492.32	497.21	499.54	501.86	512.23	521.06	525.78	532.07	540.09	550.39	554.68
Residual Oil	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Domestic Shipping													
Ton Miles Shipping (billion ton miles)	646.87	787.73	775.06	786.30	795.92	802.73	823.22	836.90	850.10	861.95	874.43	888.91	901.94
Fuel Efficiency (ton miles per thousand Btu)	2.28	2.29	2.29	2.30	2.30	2.31	2.31	2.31	2.32	2.32	2.33	2.33	2.34
Fuel Consumption (trillion Btu)													
Distillate (diesel)	200.09	247.90	243.71	246.75	249.27	250.90	256.79	260.53	264.11	267.26	270.58	274.51	277.98
Residual Oil	83.34	96.69	94.68	95.86	96.84	97.47	99.76	101.22	102.61	103.83	105.12	106.65	108.00
Motor Gasoline	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
International Shipping													
Gross Trade (billion 1996 dollars)	2163.75	2076.21	2094.19	2234.37	2371.22	2485.76	2653.33	2811.37	2975.71	3162.94	3364.01	3574.37	3801.73
Exports (billion 1996 dollars)	834.69	785.17	762.65	823.61	888.36	938.50	1018.73	1088.12	1171.87	1269.79	1372.77	1481.79	1595.16
Imports (billion 1996 dollars)	1329.07	1291.04	1331.54	1410.76	1482.86	1547.26	1634.59	1723.25	1803.85	1893.15	1991.23	2092.58	2206.57
Fuel Consumption (trillion Btu)													
Distillate (diesel)	54.52	53.36	49.96	51.83	51.90	51.96	52.04	52.12	52.19	52.27	52.34	52.42	52.49
Residual Oil	786.77	721.03	672.50	697.62	698.64	699.44	700.52	701.51	702.48	703.52	704.56	705.57	706.60

Table 55. Freight Transportation Energy Use

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Existing Trucks by Size Class														
Vehicle Miles Traveled (billion miles)														
Medium														
Diesel	46.68	48.13	49.47	50.79	52.28	53.87	55.59	57.16	58.76	60.55	62.33	64.28	65.98	3.1%
Gasoline	10.03	9.95	9.86	9.80	9.79	9.79	9.82	9.82	9.83	9.87	9.92	10.00	10.06	-1.4%
Liquefied Petroleum Gas	0.38	0.39	0.40	0.40	0.41	0.42	0.42	0.43	0.44	0.45	0.46	0.47	0.48	1.0%
Compressed Natural Gas	1.11	1.23	1.33	1.42	1.50	1.58	1.67	1.74	1.80	1.87	1.94	2.01	2.07	17.4%
Medium Subtotal	58.21	59.70	61.06	62.41	63.98	65.66	67.50	69.15	70.84	72.74	74.65	76.77	78.59	2.2%
Heavy														
Diesel	226.69	232.63	237.75	242.62	248.09	253.90	260.33	266.04	271.92	278.71	285.47	292.92	299.12	2.7%
Gasoline	1.04	1.05	1.05	1.06	1.08	1.09	1.11	1.13	1.15	1.18	1.20	1.23	1.26	-0.9%
Liquefied Petroleum Gas	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.22	0.22	0.23	0.23	9.6%
Compressed Natural Gas	0.91	0.97	1.01	1.04	1.06	1.09	1.11	1.14	1.16	1.19	1.22	1.25	1.27	16.1%
Heavy Subtotal	228.85	234.85	240.03	244.93	250.44	256.29	262.77	268.52	274.45	281.30	288.12	295.63	301.88	2.7%
Total Vehicle Miles Traveled	287.06	294.55	301.08	307.35	314.42	321.95	330.27	337.67	345.28	354.04	362.77	372.40	380.47	2.6%
Consumption (trillion Btu)														
Medium														
Diesel	696.31	718.02	737.88	757.58	779.71	803.25	828.84	852.12	875.93	902.45	928.88	957.84	983.07	3.0%
Gasoline	144.48	142.90	141.37	140.14	139.61	139.38	139.47	139.15	138.99	139.26	139.64	140.55	141.09	-1.6%
Liquefied Petroleum Gas	6.41	6.54	6.62	6.68	6.76	6.84	6.94	7.02	7.11	7.24	7.40	7.58	7.75	0.0%
Compressed Natural Gas	17.55	19.31	20.87	22.27	23.61	24.89	26.16	27.28	28.34	29.44	30.51	31.62	32.55	17.1%
Medium Subtotal	864.75	886.78	906.74	926.67	949.69	974.37	1001.42	1025.57	1050.37	1078.39	1106.43	1137.59	1164.47	2.1%
Heavy														
Diesel	5041.72	5143.75	5219.25	5283.47	5358.80	5437.66	5529.05	5607.92	5694.15	5803.00	5915.11	6045.39	6153.24	2.3%
Gasoline	17.91	17.98	18.05	18.16	18.35	18.60	18.91	19.18	19.49	19.89	20.31	20.81	21.25	-1.2%
Liquefied Petroleum Gas	3.61	3.66	3.66	3.63	3.61	3.59	3.60	3.62	3.66	3.72	3.80	3.89	3.96	9.3%
Compressed Natural Gas	15.74	16.71	17.40	17.90	18.32	18.72	19.18	19.59	20.01	20.52	21.00	21.48	21.79	16.0%
Heavy Subtotal	5078.99	5182.10	5258.37	5323.16	5399.08	5478.57	5570.73	5650.31	5737.30	5847.13	5960.23	6091.58	6200.24	2.3%
Medium and Heavy Total														
Diesel	5738.04	5861.77	5957.13	6041.05	6138.51	6240.91	6357.89	6460.04	6570.08	6705.45	6843.99	7003.23	7136.32	2.4%
Gasoline	162.39	160.88	159.42	158.30	157.96	157.98	158.37	158.33	158.49	159.16	159.95	161.37	162.34	-1.6%
Liquefied Petroleum Gas	10.02	10.20	10.28	10.31	10.36	10.43	10.54	10.64	10.76	10.96	11.20	11.48	11.70	1.5%
Compressed Natural Gas	33.29	36.02	38.27	40.17	41.93	43.62	45.34	46.87	48.34	49.96	51.51	53.10	54.35	16.6%
Total	5943.74	6068.88	6165.11	6249.83	6348.77	6452.93	6572.15	6675.88	6787.67	6925.52	7066.66	7229.17	7364.71	2.2%
Fuel Efficiency (gasoline equivalent)														
Medium														
Diesel	8.44	8.44	8.44	8.44	8.45	8.45	8.45	8.45	8.45	8.45	8.45	8.45	8.45	0.1%
Gasoline	8.68	8.70	8.73	8.75	8.78	8.80	8.83	8.85	8.88	8.90	8.92	8.94	8.96	0.3%
Liquefied Petroleum Gas	7.32	7.38	7.43	7.48	7.52	7.56	7.60	7.63	7.66	7.69	7.72	7.75	7.77	0.9%
Compressed Natural Gas	7.93	7.94	7.94	7.94	7.95	7.95	7.95	7.95	7.95	7.95	7.95	7.95	7.95	0.2%
Medium Average	8.46	8.47	8.47	8.48	8.48	8.48	8.49	8.49	8.49	8.50	8.50	8.50	8.50	0.1%
Heavy														
Diesel	5.62	5.66	5.70	5.74	5.79	5.84	5.89	5.93	5.97	6.01	6.04	6.06	6.08	0.4%
Gasoline	7.24	7.27	7.29	7.31	7.33	7.35	7.36	7.38	7.39	7.40	7.41	7.42	7.43	0.3%
Liquefied Petroleum Gas	7.26	7.26	7.26	7.26	7.26	7.26	7.27	7.27	7.27	7.27	7.27	7.27	7.27	0.3%
Compressed Natural Gas	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	0.1%
Heavy Average	5.64	5.67	5.71	5.75	5.80	5.85	5.90	5.94	5.98	6.02	6.05	6.07	6.09	0.4%

Table 55. Freight Transportation Energy Use

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Average	6.04	6.07	6.11	6.15	6.19	6.24	6.29	6.33	6.36	6.39	6.42	6.44	6.46	0.3%
Stock (millions)														
Medium														
Diesel	3.27	3.39	3.50	3.61	3.72	3.82	3.93	4.05	4.16	4.28	4.41	4.52	4.63	3.5%
Gasoline	1.51	1.48	1.45	1.43	1.40	1.38	1.36	1.34	1.33	1.32	1.31	1.30	1.29	-1.9%
Liquefied Petroleum Gas	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.2%
Compressed Natural Gas	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.14	0.15	0.16	0.17	0.18	0.19	15.4%
Medium Subtotal	4.90	5.00	5.10	5.19	5.28	5.37	5.47	5.58	5.69	5.81	5.93	6.05	6.15	1.7%
Heavy														
Diesel	6.13	6.32	6.50	6.67	6.83	6.99	7.15	7.32	7.49	7.68	7.85	8.02	8.17	2.9%
Gasoline	0.19	0.18	0.18	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	-3.5%
Liquefied Petroleum Gas	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	7.6%
Compressed Natural Gas	0.04	0.05	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.10	15.9%
Heavy Subtotal	6.37	6.56	6.75	6.92	7.08	7.24	7.40	7.58	7.75	7.94	8.12	8.29	8.45	2.6%
Total Stock	11.27	11.56	11.84	12.11	12.35	12.61	12.87	13.16	13.44	13.75	14.05	14.34	14.60	2.2%
New Trucks by Size Class														
Fuel Efficiency (gasoline equivalent)														
Medium														
Diesel	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	-0.2%
Gasoline	9.00	9.03	9.06	9.10	9.13	9.16	9.18	9.20	9.20	9.20	9.20	9.20	9.20	0.1%
Liquefied Petroleum Gas	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	0.0%
Compressed Natural Gas	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96	0.0%
Medium Average	8.50	8.51	8.51	8.51	8.51	8.52	8.52	8.52	8.52	8.52	8.52	8.52	8.52	-0.1%
Heavy														
Diesel	5.80	5.89	5.99	6.07	6.12	6.18	6.21	6.21	6.21	6.21	6.21	6.21	6.21	0.3%
Gasoline	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0.0%
Liquefied Petroleum Gas	7.28	7.28	7.28	7.28	7.28	7.28	7.28	7.28	7.28	7.28	7.28	7.28	7.28	0.0%
Compressed Natural Gas	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	0.0%
Heavy Average	5.81	5.90	6.01	6.09	6.13	6.19	6.22	6.22	6.22	6.22	6.22	6.23	6.23	0.3%
Average	6.15	6.24	6.33	6.41	6.45	6.51	6.54	6.54	6.54	6.54	6.54	6.54	6.54	0.3%
Sales (millions)														
Medium														
Diesel	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.26	0.27	0.28	0.28	0.28	0.28	3.3%
Gasoline	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	1.3%
Liquefied Petroleum Gas	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	8.6%
Compressed Natural Gas	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	12.3%
Medium Subtotal	0.30	0.30	0.30	0.30	0.30	0.31	0.32	0.33	0.34	0.35	0.35	0.35	0.35	3.1%
Heavy														
Diesel	0.44	0.44	0.44	0.44	0.44	0.44	0.46	0.48	0.48	0.50	0.51	0.51	0.51	2.8%
Gasoline	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	3.9%
Liquefied Petroleum Gas	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	6.0%
Compressed Natural Gas	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	11.5%
Heavy Subtotal	0.46	0.46	0.46	0.45	0.45	0.46	0.47	0.49	0.50	0.52	0.53	0.52	0.52	2.9%
Total Sales	0.76	0.76	0.76	0.75	0.75	0.76	0.79	0.82	0.83	0.87	0.88	0.88	0.87	3.0%
Railroads														
Ton Miles by Rail (billion ton miles)	1776.22	1803.81	1832.67	1867.72	1899.94	1928.32	1962.61	1990.74	2014.97	2048.92	2083.44	2117.12	2154.56	1.7%
Fuel Efficiency (ton miles per thousand Btu)	3.19	3.22	3.25	3.28	3.32	3.35	3.38	3.42	3.45	3.49	3.52	3.56	3.59	1.0%
Fuel Consumption (trillion Btu)														

Table 55. Freight Transportation Energy Use

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Distillate (diesel)	557.59	560.59	563.87	568.90	572.93	575.67	580.05	582.48	583.67	587.57	591.50	595.05	599.52	0.7%
Residual Oil	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	0.00	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
Domestic Shipping														
Ton Miles Shipping (billion ton miles)	912.30	925.01	937.39	948.06	960.57	976.89	995.53	1009.17	1023.60	1042.30	1056.10	1072.43	1086.86	1.4%
Fuel Efficiency (ton miles per thousand Btu)	2.34	2.35	2.35	2.36	2.36	2.37	2.37	2.38	2.38	2.39	2.39	2.39	2.40	0.2%
Fuel Consumption (trillion Btu)														
Distillate (diesel)	280.61	283.95	287.18	289.87	293.10	297.49	302.56	306.09	309.84	314.87	318.40	322.68	326.37	1.2%
Residual Oil	109.02	110.32	111.57	112.61	113.87	115.58	117.54	118.92	120.38	122.33	123.70	125.36	126.80	1.1%
Motor Gasoline	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
International Shipping														
Gross Trade (billion 1996 dollars)	4054.76	4327.57	4611.41	4900.22	5209.90	5561.70	5948.26	6339.18	6731.86	7166.31	7641.17	8143.85	8656.50	6.1%
Exports (billion 1996 dollars)	1716.79	1845.48	1977.27	2115.69	2273.34	2452.63	2638.58	2827.04	3025.82	3243.95	3476.90	3719.09	3985.48	7.0%
Imports (billion 1996 dollars)	2337.97	2482.09	2634.14	2784.52	2936.56	3109.06	3309.68	3512.14	3706.04	3922.36	4164.27	4424.75	4671.02	5.5%
Fuel Consumption (trillion Btu)														
Distillate (diesel)	52.58	52.66	52.74	52.82	52.90	52.98	53.07	53.15	53.23	53.32	53.41	53.49	53.58	0.0%
Residual Oil	707.69	708.79	709.87	710.92	712.00	713.14	714.33	715.47	716.56	717.70	718.86	720.03	721.16	0.0%

Table 55. Freight Transportation Energy Use

Btu = British thermal unit.
N/A = Not applicable.
Sources: 2001 derived using: Oak Ridge National Laboratory, Transportation Energy Data Book: Edition 22 and Annual (Oak Ridge, TN, September 2002); United States Department of Transportation, 1989 Carload Waybill Statistics Traffic and Revenue by Commodity Classes, September 1991 and prior issues; Reebie Associates, TRANSEARCH Database, (Greenwich, Connecticut, 1989); Army Corps of Engineers, Waterborne Commerce of the United States, (New Orleans), 1991 and prior issues; U.S. Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); Federal Highway Administration, Highway Statistics 2000 (Washington, DC, November 2001); and Energy Information Administration (EIA), AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 56. Technology Market Penetration in Light-Duty Vehicles (Percentage)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Car													
Unit Body Construction	93.41	92.95	92.97	93.72	93.29	93.31	93.41	93.36	93.36	93.40	93.36	93.30	93.35
Material Substitution II	49.96	49.97	49.97	49.95	49.97	49.96	49.94	49.94	49.93	49.93	49.92	49.92	49.91
Material Substitution III	0.00	0.04	0.24	0.47	0.78	1.22	2.12	2.78	3.03	3.56	4.35	4.73	5.28
Material Substitution IV	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.12	0.26	0.47	0.75	1.03	1.35
Material Substitution V	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
Drag Reduction II	54.27	54.51	54.37	54.03	54.27	54.20	54.52	54.52	54.52	54.50	54.49	54.50	53.86
Drag Reduction III	0.15	0.22	0.61	1.01	1.57	2.42	4.77	6.90	7.50	9.00	11.56	12.72	14.45
Drag Reduction IV	0.00	0.00	0.06	0.21	0.52	0.97	2.05	3.11	3.63	4.55	5.91	6.78	7.79
Drag Reduction V	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.17	0.42
Roll-Over Technology	0.00	0.00	0.00	0.00	0.00	25.00	50.00	75.00	100.00	100.00	100.00	100.00	100.00
Side Impact Technology	0.00	0.00	0.00	0.00	0.00	25.00	50.00	75.00	100.00	100.00	100.00	100.00	100.00
Advanced Low Loss Torque Converter	5.83	7.23	11.11	11.13	11.89	13.87	23.15	28.88	30.80	33.91	37.85	39.80	42.88
Early Torque Converter Lockup	0.00	0.00	0.12	0.38	1.02	2.06	5.35	9.11	10.75	13.72	17.89	20.09	21.71
Aggressive Shift Logic	2.94	2.98	3.02	3.06	3.20	3.44	3.97	4.51	4.73	5.16	5.82	6.16	6.60
4-Speed Automatic	70.97	71.65	71.44	70.24	70.77	70.41	69.74	69.27	68.71	67.72	66.28	64.94	62.90
5-Speed Automatic	7.84	7.95	7.96	7.84	8.00	8.11	8.23	8.36	8.45	8.55	8.67	8.75	8.84
6-Speed Automatic	0.00	0.00	0.00	0.00	0.02	0.10	0.24	0.40	0.57	0.77	0.99	1.23	1.45
6-Speed Manual	0.98	0.99	1.10	1.18	1.31	1.52	1.91	2.20	2.38	2.64	2.88	2.99	3.11
CVT	0.04	0.06	0.16	0.29	0.46	0.72	1.14	1.48	1.71	2.06	2.50	2.74	3.06
Automated Manual Trans	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.13	0.39	0.93	2.01	3.31	5.27
Roller Cam	84.82	87.09	93.16	93.03	93.15	93.17	93.27	93.32	93.34	93.37	93.42	93.44	93.45
OHC/AdvOHV-4 Cylinder	3.56	3.51	3.50	3.58	3.54	3.53	3.54	3.54	3.53	3.54	3.54	3.53	3.54
OHC/AdvOHV-6 Cylinder	5.12	5.20	5.20	4.99	4.97	4.78	4.53	4.29	4.09	3.93	3.82	3.75	3.72
OHC/AdvOHV-8 Cylinder	3.03	3.20	3.19	2.92	3.07	3.07	3.03	3.04	3.04	3.02	3.03	3.04	3.02
4-Valve/4-Cylinder	48.13	46.88	47.09	49.03	47.81	47.91	48.20	48.08	48.08	48.20	48.11	47.92	48.05
4-Valve/6-Cylinder	23.42	23.51	22.86	22.12	22.71	22.85	22.96	23.25	23.45	23.56	23.71	23.86	23.84
4-Valve/8-Cylinder	8.43	8.79	8.77	8.26	8.66	8.80	8.90	9.11	9.26	9.29	9.32	9.36	9.33
5-Valve/6-Cylinder	1.17	1.63	2.18	2.14	2.18	2.19	2.18	2.19	2.19	2.19	2.19	2.20	2.20
VVT-4 Cylinder	14.27	17.32	22.10	26.76	32.21	37.37	41.91	45.46	46.89	48.04	48.70	48.54	48.75
VVT-6 Cylinder	3.34	3.44	3.59	3.56	3.92	4.31	4.76	5.32	5.73	6.03	6.33	6.49	6.62
VVT-8 Cylinder	0.40	0.48	0.69	0.89	1.35	1.59	1.89	2.19	2.37	2.50	2.65	2.72	2.75
VVL-4 Cylinder	6.58	6.53	6.54	6.73	6.83	7.14	7.52	7.97	8.31	8.57	8.77	8.90	8.96
VVL-6 Cylinder	0.39	0.40	0.54	0.78	1.10	1.51	1.92	2.32	2.64	2.93	3.19	3.34	3.46
VVL-8 Cylinder	1.09	1.16	1.27	1.32	1.56	1.74	1.92	2.08	2.13	2.12	2.11	2.09	2.04
Camless Valve Actuation-4cyl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.25	0.44
Camless Valve Actuation-6cyl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.24	0.42	0.66
Camless Valve Actuation-8cyl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.10	0.21	0.35	0.52	0.70
Cylinder Deactivation	0.00	0.00	0.00	0.00	0.02	0.14	0.36	0.64	0.91	1.23	1.47	1.67	1.90
Turbocharging/Supercharging	0.00	0.03	0.13	0.28	0.49	0.74	0.98	1.23	1.44	1.65	1.84	1.96	2.07
Engine Friction Reduction I	65.93	67.05	69.38	69.47	69.41	69.40	69.23	69.14	69.11	69.06	68.81	68.58	68.19
Engine Friction Reduction II	19.10	19.39	19.79	19.93	21.27	22.44	23.86	25.10	25.43	26.03	27.43	27.58	27.94
Engine Friction Reduction III	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.19	0.53	0.97	1.58
Engine Friction Reduction IV	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
Stoichiometric GDI/4-Cylinder	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.26	0.45	0.70	0.96	1.24
Stoichiometric GDI/6-Cylinder	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.24	0.41	0.64	0.88	1.13
Lean Burn GDI	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.13	0.30	0.53	0.86	1.17	1.52
5W-30 Engine Oil	40.10	40.31	40.31	39.96	40.16	40.15	40.10	40.11	40.10	40.06	40.05	40.06	40.01
5W-20 Engine Oil	0.00	0.00	0.00	0.05	0.24	0.69	1.89	3.49	4.51	6.12	8.59	10.29	12.57
0W-20 Engine Oil	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
Electric Power Steering	0.00	0.00	0.00	0.00	0.03	0.15	0.42	0.81	1.26	1.87	2.70	3.42	4.35
Improved Alternator	0.00	0.00	0.00	0.00	0.00	0.03	0.14	0.32	0.53	0.83	1.19	1.50	1.85
Improved Oil/Water Pump	0.00	0.07	0.43	0.84	1.42	2.28	4.70	6.88	7.49	9.03	11.66	12.83	14.58
Electric Oil/Water Pump	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.26	0.47	0.73	1.03
Tires II	52.59	53.02	53.03	52.35	52.76	52.73	52.87	53.08	53.06	52.99	52.98	53.00	52.91

Table 56. Technology Market Penetration in Light-Duty Vehicles (Percentage)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Tires III	0.00	0.00	0.00	0.00	0.00	0.05	0.28	0.86	1.54	2.66	4.32	5.78	7.63
Tires IV	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
Front Wheel Drive	82.60	82.68	82.70	82.56	82.62	82.63	82.63	82.64	82.64	82.64	82.64	82.65	82.64
Four Wheel Drive Improvements	0.00	0.02	0.13	0.24	0.38	0.54	0.81	1.07	1.15	1.28	1.45	1.49	1.57
42V-Launch Assist and Regen	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.09	0.20	0.34	0.52	0.71	0.89
42V-Engine Off at Idle	0.00	0.00	0.00	0.00	0.00	0.02	0.09	0.20	0.34	0.52	0.71	0.89	1.08
Tier 2 Emissions Technology	0.00	0.00	0.00	0.00	0.00	0.00	33.33	66.67	100.00	100.00	100.00	100.00	100.00
Increased Size/Weight	0.00	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
Variable Compression Ratio	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
Light Truck													
Unit Body Construction	19.23	18.76	19.08	19.89	19.46	19.72	20.22	20.53	20.56	20.82	21.14	21.11	21.30
Material Substitution II	30.41	30.50	30.43	30.38	30.54	30.60	30.71	31.05	31.12	31.28	31.55	31.71	31.89
Material Substitution III	0.00	0.00	0.05	0.14	0.33	0.61	1.26	1.84	2.16	2.66	3.35	3.81	4.35
Material Substitution IV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.09	0.20
Material Substitution V	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
Drag Reduction II	32.53	32.46	36.36	36.61	36.66	37.03	44.92	47.84	48.06	48.94	50.42	50.90	51.48
Drag Reduction III	0.00	0.11	0.61	1.19	2.11	3.77	9.08	14.28	16.06	19.25	23.42	24.98	28.10
Drag Reduction IV	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.23	0.60	1.29	2.60	4.03	5.89
Drag Reduction V	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
Roll-Over Technology	0.00	0.00	0.00	0.00	0.00	0.00	50.00	75.00	100.00	100.00	100.00	100.00	100.00
Side Impact Technology	0.00	0.00	0.00	0.00	0.00	0.00	50.00	75.00	100.00	100.00	100.00	100.00	100.00
Advanced Low Loss Torque Converter	0.00	0.00	0.00	0.00	0.00	0.13	0.88	3.62	7.28	13.14	19.97	25.97	31.28
Early Torque Converter Lockup	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.50	1.52	3.74	8.34	13.33	18.70
Aggressive Shift Logic	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.17	0.43	0.88	1.68	2.50	3.51
4-Speed Automatic	83.86	83.57	83.57	83.97	83.62	83.57	83.46	83.30	83.19	82.99	82.68	82.38	82.02
5-Speed Automatic	5.97	6.07	6.17	6.10	6.29	6.49	6.92	7.05	7.20	7.39	7.65	7.80	7.98
6-Speed Automatic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.08	0.20	0.36	0.60
6-Speed Manual	0.00	0.02	0.11	0.22	0.37	0.59	0.96	1.27	1.44	1.71	2.08	2.29	2.56
CVT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.06	0.12	0.19
Automated Manual Trans	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.14
Roller Cam	77.30	78.89	80.98	82.74	84.55	86.24	88.92	90.92	92.40	94.42	96.47	97.29	98.16
OHC/AdvOHV-4 Cylinder	3.16	2.95	2.89	2.66	2.73	2.57	2.34	2.30	2.26	2.24	2.25	2.27	2.20
OHC/AdvOHV-6 Cylinder	39.04	40.21	40.28	40.55	40.12	40.16	39.85	39.71	39.60	39.44	39.11	38.89	38.73
OHC/AdvOHV-8 Cylinder	25.26	25.29	25.21	25.10	25.11	24.93	24.88	24.68	24.59	24.45	24.32	24.24	24.09
4-Valve/4-Cylinder	6.35	6.78	6.78	6.67	6.82	6.96	7.06	7.18	7.22	7.24	7.24	7.26	7.30
4-Valve/6-Cylinder	8.05	8.10	8.18	8.27	8.54	8.98	9.42	9.85	10.07	10.43	10.92	11.22	11.59
4-Valve/8-Cylinder	3.55	3.58	3.65	3.74	3.89	4.15	4.37	4.59	4.74	4.96	5.23	5.42	5.69
5-Valve/6-Cylinder	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
VVT-4 Cylinder	0.00	0.27	1.34	2.76	5.19	6.69	7.54	8.37	8.68	9.41	9.49	9.53	9.50
VVT-6 Cylinder	0.00	0.06	0.21	0.41	0.78	1.33	2.27	3.13	3.50	4.19	5.08	5.50	6.13
VVT-8 Cylinder	0.00	0.05	0.16	0.27	0.48	0.83	1.48	2.09	2.35	2.86	3.61	4.04	4.62
VVL-4 Cylinder	0.00	0.00	0.04	0.09	0.26	0.49	0.90	1.33	1.59	1.96	2.44	2.77	3.10
VVL-6 Cylinder	0.00	0.04	0.15	0.28	0.54	0.90	1.39	1.82	2.09	2.49	2.99	3.29	3.69
VVL-8 Cylinder	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.07	0.17	0.30	0.49	0.68	0.88
Camless Valve Actuation-4cyl	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
Camless Valve Actuation-6cyl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Camless Valve Actuation-8cyl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06
Cylinder Deactivation	0.00	0.00	0.00	0.00	0.03	0.10	0.27	0.52	0.85	1.30	1.89	2.37	2.95
Turbocharging/Supercharging	0.00	0.02	0.07	0.15	0.27	0.43	0.59	0.75	0.88	1.03	1.19	1.30	1.43
Engine Friction Reduction I	39.84	45.36	55.45	55.27	56.05	59.25	71.19	72.97	72.35	71.66	70.23	68.30	64.92
Engine Friction Reduction II	0.00	0.13	0.75	1.48	2.66	4.80	11.48	17.59	19.80	22.58	27.58	29.46	33.06
Engine Friction Reduction III	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.20	0.59
Engine Friction Reduction IV	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
Stoichiometric GDI/4-Cylinder	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.15	0.27	0.46
Stoichiometric GDI/6-Cylinder	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.09	0.20
Lean Burn GDI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.10	0.24
5W-30 Engine Oil	37.13	37.19	38.00	37.91	37.95	37.85	40.01	40.69	40.64	40.46	40.47	40.33	40.11
5W-20 Engine Oil	0.00	0.00	0.00	0.08	0.28	0.87	2.92	6.34	8.84	12.74	18.35	21.31	24.87

Table 56. Technology Market Penetration in Light-Duty Vehicles (Percentage)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
0W-20 Engine Oil	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
Electric Power Steering	0.00	0.00	0.00	0.00	0.00	0.02	0.10	0.28	0.53	0.96	1.59	2.22	3.06
Improved Alternator	0.00	0.00	0.00	0.00	0.00	0.03	0.12	0.30	0.52	0.89	1.34	1.73	2.19
Improved Oil/Water Pump	0.00	0.11	0.61	1.20	2.13	3.81	9.18	14.41	16.20	19.10	23.52	25.14	28.01
Electric Oil/Water Pump	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.10	0.23	0.43	0.73
Tires II	35.57	36.18	44.75	44.90	44.86	46.52	58.94	62.78	62.78	63.23	64.93	64.90	64.84
Tires III	0.00	0.00	0.00	0.00	0.00	0.07	0.33	1.14	2.29	4.50	8.25	11.61	15.96
Tires IV	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
Front Wheel Drive	16.01	15.25	15.47	16.64	15.81	15.94	15.79	15.96	15.97	16.11	16.05	15.93	16.00
Four Wheel Drive Improvements	0.00	0.03	0.13	0.26	0.46	0.78	1.34	1.94	2.23	2.70	3.31	3.65	4.12
42V-Launch Assist and Regen	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.07	0.17	0.29	0.47	0.66	0.85
42V-Engine Off at Idle	0.00	0.00	0.00	0.00	0.00	0.02	0.07	0.17	0.29	0.47	0.66	0.85	1.04
Tier 2 Emissions Technology	0.00	0.00	0.00	0.00	0.00	0.00	33.33	66.67	100.00	100.00	100.00	100.00	100.00
Increased Size/Weight	0.00	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
Variable Compression Ratio	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
Light-Duty Vehicle Total													
Unit Body Construction	58.97	58.44	58.52	58.93	58.19	58.05	58.12	58.05	57.90	57.91	57.93	57.79	57.82
Material Substitution II	40.88	40.92	40.86	40.73	40.73	40.68	40.67	40.78	40.77	40.81	40.91	40.96	41.02
Material Substitution III	0.00	0.02	0.15	0.31	0.56	0.93	1.70	2.32	2.61	3.12	3.86	4.28	4.82
Material Substitution IV	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.14	0.24	0.39	0.57	0.79
Material Substitution V	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
Drag Reduction II	44.18	44.25	45.97	45.82	45.90	45.97	49.89	51.28	51.37	51.78	52.49	52.73	52.68
Drag Reduction III	0.08	0.17	0.61	1.09	1.83	3.06	6.85	10.47	11.67	14.01	17.38	18.75	21.18
Drag Reduction IV	0.00	0.00	0.03	0.11	0.27	0.50	1.09	1.71	2.16	2.96	4.29	5.43	6.85
Drag Reduction V	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.08	0.22
Roll-Over Technology	0.00	0.00	0.00	0.00	0.00	13.02	50.00	75.00	100.00	100.00	100.00	100.00	100.00
Side Impact Technology	0.00	0.00	0.00	0.00	0.00	13.02	50.00	75.00	100.00	100.00	100.00	100.00	100.00
Advanced Low Loss Torque Converter	3.12	3.87	5.93	5.88	6.24	7.29	12.41	16.63	19.34	23.75	29.08	33.00	37.16
Early Torque Converter Lockup	0.00	0.00	0.06	0.20	0.54	1.07	2.83	4.94	6.25	8.84	13.21	16.76	20.23
Aggressive Shift Logic	1.57	1.59	1.61	1.62	1.68	1.79	2.08	2.41	2.64	3.07	3.79	4.36	5.08
4-Speed Automatic	76.95	77.19	77.09	76.71	76.88	76.72	76.36	76.07	75.76	75.19	74.32	73.52	72.33
5-Speed Automatic	6.97	7.07	7.12	7.02	7.19	7.33	7.60	7.73	7.84	7.98	8.17	8.29	8.42
6-Speed Automatic	0.00	0.00	0.00	0.00	0.01	0.05	0.12	0.21	0.30	0.43	0.60	0.80	1.03
6-Speed Manual	0.52	0.54	0.64	0.73	0.86	1.07	1.45	1.75	1.92	2.19	2.49	2.64	2.84
CVT	0.02	0.03	0.09	0.15	0.24	0.38	0.59	0.76	0.88	1.07	1.30	1.45	1.65
Automated Manual Trans	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.20	0.48	1.03	1.70	2.74
Roller Cam	81.33	83.28	87.48	88.18	89.06	89.85	91.17	92.16	92.88	93.88	94.92	95.34	95.77
OHC/AdvOHV-4 Cylinder	3.37	3.25	3.21	3.15	3.16	3.07	2.96	2.94	2.91	2.91	2.91	2.91	2.88
OHC/AdvOHV-6 Cylinder	20.87	21.49	21.56	21.75	21.69	21.73	21.56	21.47	21.39	21.29	21.13	21.04	20.98
OHC/AdvOHV-8 Cylinder	13.35	13.47	13.45	13.37	13.55	13.54	13.57	13.53	13.53	13.49	13.47	13.47	13.41
4-Valve/4-Cylinder	28.73	28.22	28.29	29.07	28.32	28.29	28.36	28.25	28.18	28.17	28.06	27.92	27.96
4-Valve/6-Cylinder	16.28	16.34	16.01	15.59	15.98	16.20	16.43	16.76	16.93	17.14	17.44	17.64	17.80
4-Valve/8-Cylinder	6.16	6.36	6.38	6.13	6.39	6.57	6.71	6.92	7.06	7.17	7.31	7.42	7.54
5-Valve/6-Cylinder	0.63	0.87	1.16	1.13	1.15	1.14	1.13	1.13	1.12	1.12	1.12	1.12	1.11
VVT-4 Cylinder	7.65	9.38	12.42	15.45	19.36	22.67	25.33	27.48	28.28	29.15	29.47	29.35	29.40
VVT-6 Cylinder	1.79	1.87	2.02	2.07	2.43	2.88	3.56	4.26	4.64	5.13	5.71	6.00	6.38
VVT-8 Cylinder	0.21	0.28	0.44	0.60	0.94	1.23	1.69	2.14	2.36	2.68	3.12	3.37	3.67
VVL-4 Cylinder	3.52	3.49	3.51	3.60	3.71	3.95	4.33	4.75	5.04	5.34	5.66	5.88	6.07
VVL-6 Cylinder	0.21	0.24	0.36	0.54	0.83	1.21	1.66	2.08	2.37	2.72	3.09	3.31	3.57
VVL-8 Cylinder	0.58	0.62	0.68	0.70	0.82	0.91	1.01	1.11	1.17	1.23	1.31	1.40	1.46
Camless Valve Actuation-4cyl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.13	0.22
Camless Valve Actuation-6cyl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.12	0.21	0.35
Camless Valve Actuation-8cyl	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.11	0.18	0.27	0.39
Cylinder Deactivation	0.00	0.00	0.00	0.00	0.03	0.12	0.32	0.58	0.88	1.26	1.68	2.01	2.42
Turbocharging/Supercharging	0.00	0.02	0.11	0.22	0.39	0.59	0.79	0.99	1.17	1.35	1.52	1.63	1.75
Engine Friction Reduction I	53.82	56.96	62.88	62.78	63.06	64.54	70.17	71.00	70.69	70.34	69.51	68.44	66.58
Engine Friction Reduction II	10.23	10.43	10.91	11.24	12.42	13.98	17.89	21.46	22.69	24.34	27.50	28.51	30.46
Engine Friction Reduction III	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.10	0.30	0.59	1.10

Table 56. Technology Market Penetration in Light-Duty Vehicles (Percentage)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Engine Friction Reduction IV	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
Stoichiometric GDI/4-Cylinder	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.14	0.26	0.43	0.62	0.85
Stoichiometric GDI/6-Cylinder	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.12	0.21	0.34	0.49	0.67
Lean Burn GDI	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.15	0.27	0.45	0.64	0.89
5W-30 Engine Oil	38.72	38.86	39.23	39.00	39.11	39.05	40.06	40.39	40.37	40.26	40.26	40.19	40.06
5W-20 Engine Oil	0.00	0.00	0.00	0.07	0.26	0.78	2.38	4.87	6.62	9.36	13.38	15.71	18.64
0W-20 Engine Oil	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
Electric Power Steering	0.00	0.00	0.00	0.00	0.02	0.09	0.27	0.56	0.90	1.42	2.16	2.83	3.71
Improved Alternator	0.00	0.00	0.00	0.00	0.00	0.03	0.13	0.31	0.53	0.86	1.26	1.61	2.02
Improved Oil/Water Pump	0.00	0.09	0.51	1.01	1.76	3.01	6.86	10.53	11.73	13.95	17.48	18.89	21.20
Electric Oil/Water Pump	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.18	0.35	0.58	0.88
Tires II	44.68	45.19	49.17	48.84	49.00	49.76	55.80	57.78	57.80	58.00	58.84	58.85	58.79
Tires III	0.00	0.00	0.00	0.00	0.00	0.06	0.30	1.00	1.90	3.56	6.25	8.65	11.74
Tires IV	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
Front Wheel Drive	51.68	51.31	51.35	51.49	50.86	50.68	50.40	50.31	50.17	50.11	49.98	49.82	49.78
Four Wheel Drive Improvements	0.00	0.02	0.13	0.25	0.42	0.65	1.06	1.49	1.68	1.97	2.36	2.56	2.83
42V-Launch Assist and Regen	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.08	0.19	0.32	0.50	0.69	0.87
42V-Engine Off at Idle	0.00	0.00	0.00	0.00	0.00	0.02	0.08	0.19	0.32	0.50	0.69	0.87	1.06
Tier 2 Emissions Technology	0.00	0.00	0.00	0.00	0.00	0.00	33.33	66.67	100.00	100.00	100.00	100.00	100.00
Increased Size/Weight	0.00	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00	55.00	60.00
Variable Compression Ratio	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

Table 56. Technology Market Penetration in Light-Duty Vehicles
(Percentage)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Car														
Unit Body Construction	93.33	93.37	93.36	93.39	93.45	93.39	93.38	93.38	93.37	93.40	93.43	93.41	93.51	0.0%
Material Substitution II	49.90	49.89	49.89	49.88	49.87	49.87	49.87	49.86	49.86	49.85	49.85	49.85	49.84	0.0%
Material Substitution III	5.77	6.10	6.26	6.42	6.55	6.55	6.55	6.56	6.61	6.62	6.65	6.65	6.65	23.4%
Material Substitution IV	1.69	2.02	2.36	2.65	2.94	3.16	3.39	3.53	3.69	3.81	3.85	3.87	3.87	N/A
Material Substitution V	0.00	0.02	0.11	0.24	0.41	0.64	0.88	1.13	1.40	1.67	1.95	2.18	2.41	N/A
Drag Reduction II	53.05	52.39	51.88	51.53	51.17	50.87	50.59	50.31	50.01	49.81	49.61	49.54	49.46	-0.4%
Drag Reduction III	16.19	17.23	17.60	17.77	17.89	17.91	17.92	17.97	18.06	18.08	18.10	18.11	18.07	20.1%
Drag Reduction IV	8.91	9.50	10.15	10.48	10.77	11.00	11.02	11.15	11.30	11.34	11.40	11.41	11.39	N/A
Drag Reduction V	0.79	1.28	1.83	2.41	3.02	3.65	4.31	4.95	5.61	6.11	6.60	6.83	7.01	N/A
Roll-Over Technology	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	N/A
Side Impact Technology	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	N/A
Advanced Low Loss Torque Converter	46.52	49.27	50.34	51.68	52.66	52.71	52.72	52.99	53.50	53.61	53.78	53.80	53.73	8.7%
Early Torque Converter Lockup	24.69	26.41	27.84	28.49	29.01	29.50	29.55	29.94	30.42	30.56	30.77	30.79	30.71	N/A
Aggressive Shift Logic	7.09	7.46	7.64	7.82	7.96	7.97	7.97	8.00	8.06	8.07	8.09	8.09	8.08	4.3%
4-Speed Automatic	61.55	60.50	58.97	58.58	58.17	58.19	58.05	57.91	57.82	57.72	57.59	57.61	57.41	-0.9%
5-Speed Automatic	8.96	9.06	9.10	9.16	9.19	9.19	9.17	9.18	9.19	9.18	9.17	9.18	9.16	0.6%
6-Speed Automatic	1.69	1.84	2.00	2.09	2.19	2.23	2.36	2.43	2.46	2.46	2.46	2.46	2.45	N/A
6-Speed Manual	3.20	3.27	3.30	3.33	3.36	3.36	3.35	3.36	3.36	3.36	3.37	3.37	3.38	5.2%
CVT	3.58	3.80	3.93	4.06	4.16	4.17	4.19	4.26	4.34	4.38	4.43	4.45	4.46	19.7%
Automated Manual Trans	7.02	8.85	10.11	10.18	10.30	10.29	10.31	10.31	10.30	10.33	10.36	10.34	10.44	N/A
Roller Cam	93.46	93.45	93.45	93.45	93.44	93.45	93.45	93.45	93.45	93.45	93.44	93.45	93.43	0.3%
OHC/AdvOHV-4 Cylinder	3.54	3.54	3.54	3.54	3.55	3.54	3.54	3.54	3.55	3.55	3.55	3.55	3.56	0.1%
OHC/AdvOHV-6 Cylinder	3.69	3.68	3.68	3.67	3.65	3.67	3.68	3.68	3.68	3.67	3.66	3.67	3.63	-1.5%
OHC/AdvOHV-8 Cylinder	3.03	3.01	3.01	3.00	2.98	3.00	3.00	3.00	3.00	2.99	2.98	2.99	2.95	-0.3%
4-Valve/4-Cylinder	47.99	48.12	48.08	48.15	48.33	48.16	48.11	48.11	48.08	48.16	48.26	48.20	48.48	0.1%
4-Valve/6-Cylinder	23.89	23.85	23.86	23.83	23.77	23.83	23.85	23.85	23.86	23.83	23.80	23.82	23.72	0.0%
4-Valve/8-Cylinder	9.35	9.32	9.33	9.32	9.27	9.31	9.33	9.32	9.33	9.31	9.29	9.30	9.24	0.2%
5-Valve/6-Cylinder	2.20	2.19	2.20	2.19	2.19	2.19	2.20	2.20	2.20	2.19	2.19	2.19	2.19	1.2%
VVT-4 Cylinder	48.51	48.44	48.20	47.98	47.90	47.48	47.24	47.01	46.81	46.75	46.75	46.42	46.59	4.2%
VVT-6 Cylinder	6.76	6.84	6.87	6.92	6.96	6.96	6.96	6.97	6.99	6.98	6.99	6.99	6.98	3.0%
VVT-8 Cylinder	2.80	2.79	2.79	2.84	2.90	2.91	2.92	2.93	2.96	2.94	2.91	2.91	2.89	7.8%
VVL-4 Cylinder	9.02	9.04	9.03	9.06	9.10	9.08	9.08	9.08	9.09	9.10	9.11	9.11	9.13	1.4%
VVL-6 Cylinder	3.58	3.66	3.66	3.70	3.72	3.72	3.71	3.71	3.71	3.71	3.71	3.70	3.70	9.7%
VVL-8 Cylinder	1.99	1.91	1.85	1.83	1.84	1.85	1.85	1.86	1.86	1.86	1.85	1.86	1.84	2.0%
Camless Valve Actuation-4cyl	0.68	0.95	1.23	1.60	1.94	2.28	2.56	2.87	3.12	3.35	3.49	3.88	4.02	N/A
Camless Valve Actuation-6cyl	0.92	1.19	1.52	1.82	2.13	2.38	2.64	2.87	3.09	3.20	3.50	3.62	3.64	N/A
Camless Valve Actuation-8cyl	0.89	1.11	1.29	1.44	1.55	1.66	1.78	1.90	1.97	2.09	2.15	2.16	2.15	N/A
Cylinder Deactivation	2.15	2.35	2.58	2.80	3.02	3.13	3.24	3.37	3.42	3.42	3.43	3.43	3.42	N/A
Turbocharging/Supercharging	2.15	2.23	2.24	2.26	2.29	2.28	2.28	2.28	2.29	2.29	2.29	2.29	2.30	20.5%
Engine Friction Reduction I	67.58	67.03	66.38	65.58	64.67	63.79	62.86	61.86	60.79	60.00	59.17	58.44	57.95	-0.6%
Engine Friction Reduction II	28.29	28.43	28.52	28.59	28.62	28.64	28.65	28.67	28.71	28.71	28.71	28.72	28.68	1.6%
Engine Friction Reduction III	2.33	3.07	3.87	4.72	5.59	6.30	7.01	7.69	8.40	8.76	9.12	9.34	9.34	N/A
Engine Friction Reduction IV	0.00	0.00	0.00	0.03	0.16	0.40	0.72	1.16	1.67	2.22	2.80	3.40	3.98	N/A
Stoichiometric GDI/4-Cylinder	1.62	1.95	2.29	2.57	2.85	3.05	3.26	3.40	3.81	3.98	4.06	4.08	4.09	N/A
Stoichiometric GDI/6-Cylinder	1.44	1.71	1.99	2.22	2.46	2.64	2.82	2.92	3.18	3.29	3.32	3.33	3.33	N/A
Lean Burn GDI	1.89	2.23	2.58	2.88	3.16	3.38	3.59	3.72	3.90	4.00	4.03	4.03	4.03	N/A
5W-30 Engine Oil	39.99	39.95	39.96	39.94	39.91	39.93	39.93	39.92	39.92	39.90	39.88	39.89	39.85	0.0%
5W-20 Engine Oil	14.90	16.28	17.59	18.53	18.76	19.00	19.26	19.51	19.81	19.90	20.01	20.01	19.98	N/A
0W-20 Engine Oil	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
Electric Power Steering	5.43	6.25	7.13	7.89	8.63	9.09	9.57	10.20	10.68	10.95	11.22	11.37	11.36	N/A
Improved Alternator	2.22	2.56	2.84	3.12	3.34	3.55	3.64	3.78	3.90	3.91	3.92	3.93	3.92	N/A
Improved Oil/Water Pump	16.31	17.37	17.75	17.93	18.05	18.07	18.08	18.13	18.23	18.24	18.27	18.27	18.24	26.3%
Electric Oil/Water Pump	1.34	1.65	1.98	2.32	2.61	2.89	3.12	3.38	3.53	3.66	3.78	3.81	3.81	N/A
Tires II	52.90	52.82	52.80	52.74	52.64	52.69	52.69	52.66	52.63	52.58	52.51	52.51	52.32	-0.1%

Table 56. Technology Market Penetration in Light-Duty Vehicles
(Percentage)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Tires III	9.79	11.62	13.27	14.92	16.18	17.43	17.93	18.31	18.75	18.89	19.00	19.01	18.98	N/A
Tires IV	0.00	0.00	0.04	0.20	0.53	1.02	1.71	2.57	3.56	4.60	5.74	6.91	7.84	N/A
Front Wheel Drive	82.64	82.64	82.65	82.64	82.63	82.64	82.64	82.64	82.64	82.64	82.63	82.63	82.62	0.0%
Four Wheel Drive Improvements	1.58	1.58	1.64	1.65	1.65	1.65	1.65	1.65	1.66	1.66	1.67	1.67	1.67	21.3%
42V-Launch Assist and Regen	1.08	1.27	1.46	1.61	1.76	1.88	1.99	2.04	2.10	2.15	2.16	2.16	2.16	N/A
42V-Engine Off at Idle	1.27	1.46	1.61	1.76	1.88	1.99	2.04	2.10	2.15	2.16	2.16	2.16	2.16	N/A
Tier 2 Emissions Technology	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	N/A
Increased Size/Weight	65.00	70.00	75.00	80.00	85.00	90.00	95.00	100.00	100.00	100.00	100.00	100.00	100.00	13.3%
Variable Compression Ratio	0.00	0.00	0.02	0.10	0.22	0.37	0.56	0.76	0.97	1.20	1.42	1.64	1.81	N/A
Light Truck														
Unit Body Construction	21.34	21.39	21.36	21.39	21.47	21.39	21.36	21.34	21.32	21.36	21.42	21.40	21.51	0.6%
Material Substitution II	32.11	32.24	32.32	32.38	32.39	32.40	32.40	32.41	32.41	32.40	32.38	32.39	32.37	0.2%
Material Substitution III	4.92	5.29	5.69	5.86	6.02	6.13	6.13	6.14	6.16	6.16	6.16	6.16	6.16	N/A
Material Substitution IV	0.38	0.63	0.90	1.18	1.48	1.78	2.09	2.39	2.70	2.96	3.23	3.36	3.48	N/A
Material Substitution V	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.13	0.23	0.37	0.52	0.68	0.84	N/A
Drag Reduction II	50.96	48.85	47.28	45.64	44.27	43.12	42.29	41.39	40.10	39.29	38.64	37.99	37.37	0.6%
Drag Reduction III	30.78	32.83	33.84	34.86	35.39	35.40	35.40	35.40	35.46	35.46	35.46	35.46	35.46	27.4%
Drag Reduction IV	8.07	9.96	11.96	13.93	15.85	17.18	18.08	18.94	20.15	20.72	20.96	20.96	20.96	N/A
Drag Reduction V	0.00	0.03	0.10	0.28	0.56	0.99	1.50	2.11	2.80	3.50	4.27	4.95	5.59	N/A
Roll-Over Technology	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	N/A
Side Impact Technology	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	N/A
Advanced Low Loss Torque Converter	37.81	43.65	49.15	54.50	58.97	63.47	65.46	68.29	70.69	70.81	70.85	70.85	70.85	N/A
Early Torque Converter Lockup	24.25	28.41	32.52	36.87	41.23	45.09	48.96	51.43	53.95	55.53	55.78	55.78	55.78	N/A
Aggressive Shift Logic	4.65	5.67	6.75	7.78	8.78	9.66	10.57	11.28	12.02	12.47	12.63	12.63	12.63	N/A
4-Speed Automatic	81.52	80.95	80.18	79.08	77.73	76.94	76.04	75.06	74.04	73.45	72.97	72.74	72.84	-0.6%
5-Speed Automatic	8.15	8.28	8.34	8.40	8.43	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.42	1.4%
6-Speed Automatic	0.86	1.12	1.46	1.76	2.05	2.31	2.58	2.84	3.10	3.21	3.57	3.69	3.69	N/A
6-Speed Manual	2.82	3.01	3.10	3.19	3.25	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.25	22.5%
CVT	0.28	0.36	0.49	0.60	0.72	0.82	0.92	1.02	1.12	1.18	1.36	1.44	1.46	N/A
Automated Manual Trans	0.40	0.90	1.68	2.50	3.51	3.97	4.52	5.14	5.79	6.22	6.19	6.21	6.14	N/A
Roller Cam	98.22	98.22	98.22	98.22	98.22	98.22	98.22	98.22	98.22	98.22	98.22	98.22	98.22	0.9%
OHC/AdvOHV-4 Cylinder	2.12	2.04	2.02	1.99	1.96	1.98	1.98	1.98	1.99	1.98	1.97	1.98	1.95	-1.7%
OHC/AdvOHV-6 Cylinder	38.57	38.48	38.42	38.38	38.37	38.33	38.32	38.31	38.30	38.32	38.34	38.34	38.39	-0.2%
OHC/AdvOHV-8 Cylinder	23.94	23.82	23.78	23.72	23.67	23.69	23.69	23.70	23.70	23.70	23.69	23.69	23.68	-0.3%
4-Valve/4-Cylinder	7.39	7.45	7.48	7.50	7.50	7.52	7.52	7.52	7.53	7.52	7.51	7.51	7.49	0.4%
4-Valve/6-Cylinder	11.95	12.21	12.33	12.45	12.53	12.53	12.54	12.54	12.54	12.54	12.53	12.53	12.53	1.8%
4-Valve/8-Cylinder	5.97	6.19	6.29	6.39	6.46	6.46	6.46	6.47	6.47	6.47	6.47	6.47	6.46	2.5%
5-Valve/6-Cylinder	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
VVT-4 Cylinder	9.51	9.48	9.44	9.35	9.20	9.05	8.85	8.63	8.31	8.01	7.67	7.41	7.09	14.6%
VVT-6 Cylinder	6.74	7.15	7.32	7.48	7.57	7.52	7.46	7.40	7.34	7.28	7.22	7.16	7.10	21.7%
VVT-8 Cylinder	5.23	5.66	5.87	6.08	6.20	6.21	6.21	6.21	6.22	6.22	6.21	6.21	6.19	22.1%
VVL-4 Cylinder	3.13	3.04	2.91	2.74	2.53	2.28	1.99	1.70	1.70	1.70	1.70	1.70	1.69	N/A
VVL-6 Cylinder	4.07	4.32	4.36	4.39	4.37	4.28	4.16	4.05	3.95	3.95	3.95	3.95	3.95	20.6%
VVL-8 Cylinder	1.07	1.25	1.47	1.68	1.89	2.09	2.30	2.41	2.53	2.61	2.62	2.62	2.62	N/A
Camless Valve Actuation-4cyl	0.00	0.02	0.06	0.14	0.27	0.45	0.65	0.88	1.20	1.49	1.80	2.08	2.34	N/A
Camless Valve Actuation-6cyl	0.09	0.21	0.39	0.65	0.94	1.24	1.64	2.02	2.42	2.78	3.16	3.49	3.80	N/A
Camless Valve Actuation-8cyl	0.14	0.26	0.41	0.58	0.75	0.96	1.16	1.38	1.59	1.81	2.02	2.24	2.33	N/A
Cylinder Deactivation	3.59	4.09	4.63	5.17	5.69	5.92	6.16	6.47	6.60	6.60	6.60	6.60	6.59	N/A
Turbocharging/Supercharging	1.55	1.65	1.69	1.74	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	20.7%
Engine Friction Reduction I	61.13	57.71	55.03	51.98	49.30	47.05	44.61	41.51	37.88	35.15	32.64	30.73	29.19	-1.8%
Engine Friction Reduction II	37.03	39.83	41.03	42.29	42.98	42.98	42.98	42.99	43.07	43.07	43.07	43.07	43.04	27.4%
Engine Friction Reduction III	1.32	2.46	3.95	5.68	7.56	9.54	11.54	13.91	16.54	18.24	19.60	20.33	20.73	N/A
Engine Friction Reduction IV	0.00	0.00	0.00	0.04	0.16	0.43	0.87	1.59	2.51	3.54	4.68	5.87	7.04	N/A
Stoichiometric GDI/4-Cylinder	0.68	0.90	1.21	1.50	1.79	2.06	2.33	2.57	2.46	2.32	2.30	2.17	1.99	N/A
Stoichiometric GDI/6-Cylinder	0.37	0.61	0.88	1.16	1.52	1.84	2.17	2.50	2.82	2.99	3.17	3.23	3.47	N/A
Lean Burn GDI	0.47	0.79	1.14	1.51	1.92	2.32	2.74	3.15	3.55	3.79	4.03	4.11	4.25	N/A
5W-30 Engine Oil	39.99	39.92	39.92	39.92	39.90	39.75	39.52	39.45	39.39	39.39	39.38	39.38	39.37	0.2%
5W-20 Engine Oil	28.31	30.34	32.79	35.66	36.95	37.98	38.87	39.52	39.87	39.88	39.89	39.89	39.88	N/A

Table 56. Technology Market Penetration in Light-Duty Vehicles (Percentage)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
0W-20 Engine Oil	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
Electric Power Steering	4.08	5.05	6.04	7.10	8.05	9.00	9.67	10.57	11.49	11.73	11.95	12.05	12.05	N/A
Improved Alternator	2.67	3.10	3.50	3.90	4.25	4.59	4.75	4.97	5.16	5.18	5.18	5.18	5.18	N/A
Improved Oil/Water Pump	30.93	33.08	34.13	35.17	35.71	35.72	35.72	35.72	35.79	35.78	35.78	35.78	35.78	27.4%
Electric Oil/Water Pump	1.09	1.45	1.84	2.25	2.67	3.07	3.47	3.88	4.31	4.53	4.77	4.95	4.97	N/A
Tires II	64.66	64.10	63.36	62.26	60.65	58.92	57.71	55.95	53.91	52.33	50.73	49.25	47.81	1.2%
Tires III	20.50	22.80	24.96	27.64	29.79	32.19	33.49	35.49	37.35	37.70	37.89	37.88	37.88	N/A
Tires IV	0.00	0.00	0.05	0.19	0.56	1.20	2.26	3.72	5.53	7.51	9.73	11.88	13.85	N/A
Front Wheel Drive	15.97	16.05	16.01	16.06	16.18	16.06	16.03	16.01	15.98	16.04	16.12	16.09	16.27	0.3%
Four Wheel Drive Improvements	4.54	4.82	5.35	5.57	5.68	5.68	5.68	5.68	5.69	5.69	5.69	5.69	5.69	23.7%
42V-Launch Assist and Regen	1.04	1.24	1.43	1.60	1.78	1.93	2.07	2.14	2.22	2.28	2.29	2.29	2.29	N/A
42V-Engine Off at Idle	1.24	1.43	1.60	1.78	1.93	2.07	2.14	2.22	2.28	2.29	2.29	2.29	2.29	N/A
Tier 2 Emissions Technology	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	N/A
Increased Size/Weight	65.00	70.00	75.00	80.00	85.00	90.00	95.00	100.00	100.00	100.00	100.00	100.00	100.00	13.3%
Variable Compression Ratio	0.00	0.00	0.01	0.06	0.14	0.25	0.39	0.54	0.70	0.89	1.06	1.23	1.37	N/A
Light-Duty Vehicle Total														
Unit Body Construction	57.76	57.74	57.67	57.65	57.69	57.58	57.54	57.51	57.49	57.52	57.57	57.55	57.66	-0.1%
Material Substitution II	41.11	41.16	41.18	41.19	41.19	41.18	41.17	41.17	41.17	41.16	41.15	41.15	41.14	0.0%
Material Substitution III	5.35	5.70	5.98	6.15	6.29	6.34	6.34	6.35	6.39	6.39	6.40	6.40	6.41	26.4%
Material Substitution IV	1.04	1.33	1.63	1.92	2.21	2.47	2.74	2.96	3.19	3.38	3.54	3.62	3.68	N/A
Material Substitution V	0.00	0.01	0.05	0.12	0.21	0.33	0.47	0.63	0.82	1.02	1.24	1.43	1.63	N/A
Drag Reduction II	52.01	50.64	49.60	48.61	47.74	47.02	46.46	45.87	45.07	44.57	44.15	43.79	43.44	-0.1%
Drag Reduction III	23.40	24.95	25.65	26.25	26.58	26.61	26.62	26.65	26.73	26.73	26.75	26.75	26.73	23.5%
Drag Reduction IV	8.49	9.73	11.05	12.19	13.30	14.07	14.53	15.03	15.71	16.01	16.16	16.16	16.15	N/A
Drag Reduction V	0.40	0.66	0.97	1.35	1.80	2.32	2.91	3.54	4.21	4.81	5.44	5.90	6.30	N/A
Roll-Over Technology	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	N/A
Side Impact Technology	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	N/A
Advanced Low Loss Torque Converter	42.22	46.49	49.75	53.08	55.80	58.06	59.06	60.61	62.06	62.18	62.28	62.29	62.25	12.3%
Early Torque Converter Lockup	24.47	27.40	30.16	32.65	35.09	37.25	39.21	40.64	42.14	43.00	43.23	43.24	43.20	N/A
Aggressive Shift Logic	5.89	6.57	7.20	7.80	8.37	8.81	9.26	9.63	10.03	10.26	10.35	10.35	10.35	8.1%
4-Speed Automatic	71.42	70.62	69.49	68.76	67.88	67.51	67.00	66.45	65.89	65.55	65.25	65.15	65.10	-0.7%
5-Speed Automatic	8.56	8.67	8.72	8.78	8.81	8.82	8.81	8.81	8.81	8.81	8.81	8.81	8.79	0.9%
6-Speed Automatic	1.28	1.48	1.73	1.93	2.12	2.27	2.47	2.64	2.78	2.83	3.01	3.08	3.07	N/A
6-Speed Manual	3.01	3.14	3.20	3.26	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	7.8%
CVT	1.95	2.10	2.22	2.34	2.45	2.50	2.56	2.65	2.74	2.79	2.90	2.95	2.97	20.8%
Automated Manual Trans	3.75	4.92	5.93	6.37	6.93	7.15	7.43	7.74	8.05	8.28	8.28	8.28	8.30	N/A
Roller Cam	95.81	95.81	95.82	95.82	95.82	95.82	95.83	95.83	95.83	95.83	95.82	95.82	95.82	0.6%
OHC/AdvOHV-4 Cylinder	2.84	2.80	2.79	2.77	2.76	2.77	2.77	2.77	2.77	2.77	2.76	2.76	2.76	-0.7%
OHC/AdvOHV-6 Cylinder	20.93	20.91	20.90	20.90	20.90	20.91	20.92	20.92	20.92	20.92	20.93	20.93	20.94	-0.1%
OHC/AdvOHV-8 Cylinder	13.36	13.31	13.31	13.28	13.26	13.29	13.30	13.31	13.31	13.30	13.30	13.30	13.27	-0.1%
4-Valve/4-Cylinder	27.93	27.99	27.95	27.98	28.05	27.95	27.91	27.90	27.88	27.92	27.96	27.94	28.06	0.0%
4-Valve/6-Cylinder	17.99	18.09	18.14	18.18	18.18	18.21	18.22	18.22	18.22	18.21	18.19	18.20	18.15	0.4%
4-Valve/8-Cylinder	7.68	7.77	7.82	7.86	7.88	7.90	7.90	7.90	7.91	7.90	7.88	7.89	7.85	0.9%
5-Valve/6-Cylinder	1.11	1.11	1.11	1.11	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.0%
VVT-4 Cylinder	29.24	29.15	28.99	28.81	28.67	28.37	28.13	27.90	27.64	27.46	27.29	26.99	26.92	4.5%
VVT-6 Cylinder	6.75	6.99	7.09	7.20	7.26	7.24	7.21	7.18	7.16	7.13	7.10	7.07	7.04	5.7%
VVT-8 Cylinder	4.00	4.21	4.32	4.45	4.54	4.55	4.56	4.56	4.58	4.57	4.55	4.55	4.53	12.3%
VVL-4 Cylinder	6.11	6.07	6.00	5.92	5.84	5.70	5.55	5.41	5.41	5.42	5.42	5.42	5.42	1.9%
VVL-6 Cylinder	3.82	3.99	4.01	4.04	4.05	3.99	3.93	3.88	3.83	3.83	3.83	3.83	3.83	12.3%
VVL-8 Cylinder	1.54	1.59	1.66	1.76	1.86	1.97	2.07	2.13	2.19	2.23	2.24	2.24	2.23	5.5%
Camless Valve Actuation-4cyl	0.35	0.49	0.65	0.88	1.11	1.37	1.61	1.88	2.17	2.43	2.65	2.98	3.18	N/A
Camless Valve Actuation-6cyl	0.51	0.70	0.96	1.24	1.53	1.81	2.14	2.45	2.76	2.99	3.33	3.56	3.72	N/A
Camless Valve Actuation-8cyl	0.52	0.69	0.85	1.01	1.15	1.32	1.47	1.64	1.78	1.95	2.09	2.20	2.24	N/A
Cylinder Deactivation	2.86	3.21	3.60	3.98	4.34	4.52	4.69	4.91	5.00	5.01	5.01	5.01	5.00	N/A
Turbocharging/Supercharging	1.85	1.94	1.97	2.00	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	20.6%
Engine Friction Reduction I	64.39	62.42	60.75	58.83	57.03	55.46	53.78	51.73	49.38	47.63	45.96	44.64	43.63	-1.1%
Engine Friction Reduction II	32.60	34.07	34.72	35.39	35.75	35.78	35.78	35.80	35.86	35.86	35.86	35.86	35.83	5.3%
Engine Friction Reduction III	1.83	2.77	3.91	5.19	6.57	7.91	9.26	10.79	12.45	13.48	14.34	14.81	15.01	N/A

Table 56. Technology Market Penetration in Light-Duty Vehicles
(Percentage)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Engine Friction Reduction IV	0.00	0.00	0.00	0.04	0.16	0.41	0.79	1.38	2.09	2.88	3.74	4.63	5.51	N/A
Stoichiometric GDI/4-Cylinder	1.15	1.43	1.75	2.04	2.32	2.56	2.79	2.98	3.14	3.16	3.18	3.13	3.05	N/A
Stoichiometric GDI/6-Cylinder	0.91	1.17	1.44	1.70	1.99	2.24	2.50	2.71	3.00	3.14	3.25	3.28	3.40	N/A
Lean Burn GDI	1.18	1.52	1.87	2.20	2.55	2.85	3.17	3.44	3.72	3.89	4.03	4.07	4.14	N/A
5W-30 Engine Oil	39.99	39.94	39.94	39.93	39.90	39.84	39.73	39.68	39.66	39.65	39.63	39.64	39.61	0.1%
5W-20 Engine Oil	21.53	23.24	25.13	27.03	27.80	28.44	29.02	29.48	29.80	29.85	29.91	29.91	29.89	N/A
0W-20 Engine Oil	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
Electric Power Steering	4.76	5.66	6.59	7.50	8.34	9.05	9.62	10.38	11.08	11.34	11.58	11.71	11.70	N/A
Improved Alternator	2.44	2.82	3.17	3.51	3.79	4.07	4.19	4.37	4.53	4.54	4.55	4.55	4.55	N/A
Improved Oil/Water Pump	23.53	25.15	25.87	26.48	26.82	26.85	26.86	26.89	26.97	26.98	26.99	26.99	26.97	27.1%
Electric Oil/Water Pump	1.22	1.55	1.91	2.29	2.64	2.98	3.29	3.63	3.92	4.10	4.28	4.38	4.39	N/A
Tires II	58.71	58.41	58.03	57.46	56.62	55.79	55.19	54.30	53.27	52.46	51.62	50.89	50.07	0.4%
Tires III	15.08	17.15	19.07	21.23	22.94	24.77	25.67	26.87	28.01	28.26	28.41	28.41	28.39	N/A
Tires IV	0.00	0.00	0.05	0.19	0.55	1.11	1.99	3.14	4.54	6.05	7.73	9.38	10.83	N/A
Front Wheel Drive	49.70	49.68	49.62	49.60	49.61	49.53	49.49	49.46	49.44	49.47	49.51	49.50	49.58	-0.1%
Four Wheel Drive Improvements	3.04	3.18	3.48	3.59	3.65	3.65	3.66	3.66	3.67	3.67	3.67	3.67	3.67	23.1%
42V-Launch Assist and Regen	1.06	1.26	1.44	1.61	1.77	1.90	2.03	2.09	2.16	2.22	2.22	2.23	2.23	N/A
42V-Engine Off at Idle	1.26	1.44	1.61	1.77	1.90	2.03	2.09	2.16	2.22	2.22	2.23	2.23	2.23	N/A
Tier 2 Emissions Technology	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	N/A
Increased Size/Weight	65.00	70.00	75.00	80.00	85.00	90.00	95.00	100.00	100.00	100.00	100.00	100.00	100.00	13.3%
Variable Compression Ratio	0.00	0.00	0.02	0.08	0.18	0.31	0.48	0.65	0.83	1.05	1.24	1.43	1.59	N/A

Table 56. Technology Market Penetration in Light-Duty Vehicles
(Percentage)

Source: Energy Information Administration, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 57. New Light-Duty Vehicle Fuel Economy
(Miles per Gallon)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Gasoline													
Mini-compact Cars	24.50	24.45	24.69	24.80	24.90	24.82	25.04	25.04	24.86	25.07	25.40	25.54	25.72
Subcompact Cars	31.04	30.99	30.89	30.93	30.98	30.80	30.63	30.44	30.18	30.27	30.43	30.50	30.66
Compact Cars	30.28	30.21	30.13	30.20	30.30	30.19	30.09	29.97	29.72	29.82	29.98	30.08	30.25
Midsize Cars	26.73	26.67	26.60	26.66	26.73	26.63	26.55	26.42	26.20	26.31	26.48	26.57	26.69
Large Cars	25.26	25.20	25.11	25.11	25.10	24.92	24.77	24.59	24.35	24.43	24.57	24.67	24.82
Two Seater Cars	24.87	24.89	24.95	24.96	25.00	24.87	24.76	24.63	24.42	24.55	24.76	24.87	25.04
Small Pickup	22.29	22.23	22.21	22.25	22.30	22.39	22.35	22.32	22.16	22.31	22.52	22.63	22.83
Large Pickup	18.88	18.85	18.82	18.82	18.82	18.85	18.80	18.75	18.61	18.73	18.90	19.03	19.21
Small Van	23.26	23.17	23.07	23.09	23.10	23.11	22.89	22.78	22.57	22.66	22.84	22.92	23.07
Large Van	18.10	18.07	18.03	18.03	18.04	18.09	18.05	18.04	17.91	18.05	18.26	18.41	18.63
Small Utility	21.19	21.12	21.11	21.15	21.19	21.24	21.21	21.20	21.04	21.20	21.46	21.58	21.78
Large Utility	17.51	17.50	17.47	17.48	17.49	17.53	17.45	17.42	17.30	17.42	17.65	17.80	18.01
Turbo Direct Injection Diesel													
Mini-compact Cars	33.08	32.98	32.94	33.01	33.06	32.86	32.75	32.57	32.25	32.35	32.54	32.59	32.69
Subcompact Cars	41.90	41.73	41.47	41.49	41.49	41.22	40.88	40.51	40.09	40.11	40.12	40.10	40.12
Compact Cars	40.87	40.70	40.44	40.48	40.49	40.25	39.96	39.62	39.19	39.20	39.24	39.23	39.26
Midsize Cars	36.08	35.94	35.76	35.79	35.83	35.59	35.30	34.97	34.56	34.56	34.58	34.57	34.57
Large Cars	34.11	34.01	33.86	33.85	33.83	33.55	33.22	32.88	32.51	32.52	32.57	32.57	32.61
Two Seater Cars	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
Small Pickup	30.10	30.00	29.84	29.86	29.92	29.98	29.59	29.38	29.11	29.17	29.25	29.28	29.35
Large Pickup	25.49	25.44	25.27	25.27	25.28	25.28	24.95	24.74	24.48	24.51	24.61	24.66	24.75
Small Van	31.40	31.26	31.07	31.08	31.10	31.12	30.64	30.38	30.08	30.09	30.13	30.14	30.19
Large Van	24.43	24.34	24.24	24.24	24.25	24.26	24.00	23.83	23.59	23.65	23.79	23.86	23.96
Small Utility	28.60	28.50	28.34	28.36	28.38	28.40	28.03	27.83	27.54	27.57	27.69	27.73	27.82
Large Utility	23.64	23.54	23.47	23.47	23.45	23.43	23.14	23.00	22.77	22.84	22.99	23.05	23.15
Methanol													
Mini-compact Cars	26.46	26.40	26.57	26.67	26.78	26.69	26.85	26.82	26.63	26.85	27.18	27.34	27.59
Subcompact Cars	33.52	33.46	33.33	33.36	33.41	33.21	33.00	32.75	32.44	32.53	32.71	32.81	32.97
Compact Cars	32.70	32.62	32.52	32.57	32.67	32.53	32.36	32.18	31.88	31.97	32.14	32.23	32.38
Midsize Cars	28.86	28.78	28.71	28.77	28.83	28.68	28.57	28.40	28.14	28.24	28.42	28.52	28.67
Large Cars	27.29	27.21	27.12	27.11	27.10	26.91	26.70	26.50	26.25	26.32	26.46	26.56	26.70
Two Seater Cars	26.86	26.88	26.93	26.94	26.96	26.80	26.69	26.55	26.33	26.45	26.66	26.80	26.97
Small Pickup	24.08	24.01	23.96	23.99	24.03	24.09	23.98	23.91	23.72	23.89	24.13	24.28	24.47
Large Pickup	20.39	20.35	20.32	20.32	20.31	20.34	20.24	20.17	20.02	20.18	20.41	20.54	20.72
Small Van	25.12	25.02	24.90	24.91	24.92	24.91	24.64	24.48	24.25	24.34	24.52	24.63	24.80
Large Van	19.55	19.50	19.46	19.46	19.46	19.49	19.41	19.39	19.27	19.42	19.66	19.81	20.02
Small Utility	22.88	22.81	22.81	22.83	22.87	22.94	22.89	22.88	22.72	22.89	23.19	23.34	23.55
Large Utility	18.91	18.88	18.86	18.87	18.87	18.91	18.79	18.77	18.65	18.79	19.02	19.18	19.39
Methanol Flex													
Mini-compact Cars	24.99	24.94	25.15	25.27	25.36	25.28	25.50	25.49	25.31	25.52	25.85	26.00	26.19
Subcompact Cars	31.66	31.61	31.50	31.53	31.59	31.40	31.21	31.00	30.71	30.81	30.98	31.07	31.23
Compact Cars	30.88	30.81	30.73	30.79	30.89	30.76	30.64	30.49	30.22	30.32	30.50	30.59	30.75
Midsize Cars	27.26	27.19	27.13	27.19	27.25	27.13	27.05	26.90	26.67	26.77	26.95	27.04	27.18
Large Cars	25.77	25.70	25.61	25.61	25.60	25.42	25.25	25.06	24.83	24.90	25.04	25.14	25.29
Two Seater Cars	25.37	25.39	25.46	25.46	25.50	25.36	25.26	25.13	24.92	25.05	25.27	25.39	25.56
Small Pickup	22.74	22.67	22.65	22.68	22.72	22.79	22.73	22.70	22.52	22.69	22.91	23.03	23.23
Large Pickup	19.26	19.22	19.20	19.20	19.20	19.22	19.16	19.11	18.97	19.09	19.27	19.41	19.59
Small Van	23.72	23.63	23.53	23.55	23.55	23.56	23.32	23.20	22.98	23.08	23.26	23.37	23.51
Large Van	18.46	18.42	18.39	18.39	18.39	18.44	18.39	18.38	18.26	18.40	18.61	18.76	18.98
Small Utility	21.61	21.54	21.54	21.57	21.60	21.66	21.62	21.61	21.46	21.65	21.93	22.07	22.28

Table 57. New Light-Duty Vehicle Fuel Economy
(Miles per Gallon)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Large Utility	17.86	17.84	17.82	17.83	17.84	17.88	17.79	17.77	17.65	17.77	18.00	18.15	18.37
Ethanol													
Mini-compact Cars	25.48	25.42	25.62	25.73	25.83	25.75	25.95	25.94	25.75	25.97	26.29	26.45	26.66
Subcompact Cars	32.28	32.23	32.11	32.14	32.19	32.00	31.80	31.58	31.28	31.38	31.56	31.65	31.82
Compact Cars	31.49	31.41	31.33	31.38	31.48	31.35	31.21	31.05	30.76	30.87	31.04	31.13	31.29
Midsize Cars	27.79	27.72	27.65	27.71	27.78	27.65	27.55	27.40	27.16	27.26	27.44	27.53	27.68
Large Cars	26.27	26.20	26.11	26.11	26.10	25.92	25.73	25.54	25.30	25.37	25.51	25.61	25.76
Two Seater Cars	25.87	25.89	25.95	25.95	25.98	25.84	25.74	25.61	25.39	25.52	25.74	25.87	26.04
Small Pickup	23.19	23.12	23.08	23.12	23.16	23.22	23.15	23.10	22.92	23.09	23.31	23.44	23.65
Large Pickup	19.64	19.60	19.57	19.57	19.57	19.60	19.52	19.46	19.33	19.46	19.67	19.80	19.98
Small Van	24.19	24.09	23.99	24.00	24.01	24.01	23.76	23.62	23.40	23.50	23.69	23.80	23.94
Large Van	18.82	18.78	18.74	18.74	18.75	18.79	18.74	18.72	18.60	18.74	18.95	19.11	19.33
Small Utility	22.03	21.96	21.96	21.99	22.02	22.09	22.04	22.05	21.90	22.09	22.39	22.53	22.72
Large Utility	18.21	18.19	18.17	18.18	18.18	18.22	18.13	18.11	17.98	18.13	18.35	18.50	18.71
Ethanol Flex													
Mini-compact Cars	24.75	24.69	24.92	25.03	25.13	25.05	25.27	25.27	25.09	25.30	25.63	25.78	25.97
Subcompact Cars	31.35	31.30	31.19	31.23	31.28	31.10	30.91	30.71	30.43	30.53	30.70	30.78	30.94
Compact Cars	30.58	30.51	30.43	30.49	30.59	30.47	30.35	30.21	29.95	30.05	30.23	30.32	30.48
Midsize Cars	26.99	26.93	26.86	26.92	26.99	26.88	26.80	26.66	26.43	26.53	26.70	26.80	26.93
Large Cars	25.52	25.45	25.36	25.36	25.35	25.17	25.01	24.82	24.58	24.67	24.81	24.91	25.06
Two Seater Cars	25.12	25.14	25.21	25.22	25.25	25.12	25.02	24.90	24.69	24.82	25.04	25.16	25.33
Small Pickup	22.52	22.45	22.43	22.46	22.51	22.58	22.53	22.50	22.33	22.49	22.71	22.83	23.03
Large Pickup	19.07	19.04	19.01	19.01	19.01	19.04	18.98	18.93	18.80	18.91	19.09	19.23	19.41
Small Van	23.49	23.40	23.30	23.32	23.33	23.33	23.11	22.99	22.77	22.87	23.05	23.14	23.29
Large Van	18.28	18.24	18.21	18.21	18.21	18.26	18.22	18.21	18.09	18.23	18.44	18.59	18.81
Small Utility	21.40	21.33	21.32	21.36	21.39	21.45	21.41	21.41	21.25	21.43	21.72	21.86	22.06
Large Utility	17.69	17.67	17.65	17.66	17.66	17.71	17.62	17.60	17.48	17.60	17.84	17.99	18.20
Compressed Natural Gas (CNG)													
Mini-compact Cars	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
Subcompact Cars	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
Compact Cars	32.70	32.62	32.52	32.61	32.73	32.64	32.52	32.38	32.09	32.18	32.33	32.40	32.53
Midsize Cars	28.86	28.78	28.71	28.79	28.89	28.77	28.67	28.51	28.25	28.31	28.43	28.49	28.59
Large Cars	27.29	27.21	27.10	27.10	27.09	26.89	26.67	26.45	26.19	26.23	26.33	26.40	26.52
Two Seater Cars	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
Small Pickup	24.08	24.01	23.95	24.00	24.10	24.21	24.07	24.00	23.84	23.95	24.13	24.22	24.34
Large Pickup	20.39	20.35	20.28	20.29	20.30	20.32	20.21	20.12	19.94	20.04	20.18	20.24	20.34
Small Van	25.12	25.02	24.89	24.91	24.95	24.98	24.68	24.54	24.33	24.40	24.53	24.59	24.71
Large Van	19.55	19.50	19.45	19.45	19.47	19.51	19.41	19.37	19.22	19.32	19.50	19.59	19.73
Small Utility	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
Large Utility	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
CNG Bi-Fuel													
Mini-compact Cars	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
Subcompact Cars	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
Compact Cars	30.28	30.21	30.13	30.22	30.35	30.29	30.23	30.11	29.87	29.97	30.13	30.21	30.35
Midsize Cars	26.73	26.67	26.60	26.67	26.80	26.73	26.67	26.53	26.31	26.38	26.51	26.59	26.68
Large Cars	25.26	25.20	25.10	25.10	25.09	24.91	24.75	24.55	24.30	24.37	24.48	24.56	24.68
Two Seater Cars	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
Small Pickup	22.29	22.23	22.21	22.26	22.36	22.47	22.41	22.40	22.27	22.39	22.59	22.68	22.83
Large Pickup	18.88	18.85	18.80	18.81	18.83	18.86	18.81	18.75	18.61	18.70	18.84	18.93	19.05
Small Van	23.26	23.17	23.07	23.09	23.14	23.18	22.95	22.86	22.69	22.78	22.92	22.98	23.09
Large Van	18.10	18.07	18.02	18.03	18.07	18.11	18.06	18.04	17.90	18.01	18.17	18.29	18.46
Small Utility	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
Large Utility	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

Table 57. New Light-Duty Vehicle Fuel Economy
(Miles per Gallon)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Liquefied Petroleum Gas (LPG)													
Mini-compact Cars	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
Subcompact Cars	32.28	32.23	32.11	32.16	32.20	32.01	31.81	31.60	31.31	31.39	31.54	31.60	31.74
Compact Cars	31.49	31.41	31.33	31.39	31.50	31.37	31.25	31.10	30.82	30.91	31.07	31.15	31.30
Midsize Cars	27.79	27.72	27.65	27.72	27.79	27.67	27.57	27.41	27.17	27.27	27.42	27.50	27.62
Large Cars	26.27	26.20	26.11	26.11	26.10	25.91	25.72	25.52	25.28	25.34	25.47	25.56	25.70
Two Seater Cars	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
Small Pickup	23.19	23.12	23.08	23.12	23.16	23.26	23.16	23.11	22.93	23.08	23.28	23.39	23.58
Large Pickup	19.64	19.60	19.56	19.56	19.56	19.58	19.50	19.43	19.28	19.40	19.59	19.70	19.85
Small Van	24.19	24.09	23.98	24.00	24.01	24.02	23.76	23.62	23.39	23.48	23.64	23.74	23.87
Large Van	18.82	18.78	18.74	18.74	18.74	18.78	18.72	18.70	18.57	18.70	18.89	19.03	19.24
Small Utility	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
Large Utility	18.21	18.19	18.16	18.17	18.17	18.21	18.11	18.08	17.94	18.08	18.28	18.41	18.62
LPG Bi-Fuel													
Mini-compact Cars	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
Subcompact Cars	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
Compact Cars	30.28	30.21	30.13	30.21	30.31	30.22	30.13	30.02	29.77	29.88	30.03	30.12	30.28
Midsize Cars	26.73	26.67	26.60	26.67	26.75	26.66	26.58	26.45	26.24	26.33	26.47	26.55	26.67
Large Cars	25.26	25.20	25.11	25.11	25.10	24.92	24.76	24.57	24.33	24.41	24.55	24.64	24.78
Two Seater Cars	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
Small Pickup	22.29	22.23	22.21	22.25	22.32	22.42	22.37	22.35	22.19	22.32	22.52	22.62	22.79
Large Pickup	18.88	18.85	18.81	18.82	18.82	18.85	18.80	18.74	18.60	18.69	18.85	18.95	19.12
Small Van	23.26	23.17	23.07	23.09	23.11	23.14	22.91	22.80	22.59	22.68	22.85	22.92	23.05
Large Van	18.10	18.07	18.02	18.03	18.05	18.11	18.07	18.05	17.91	18.04	18.23	18.37	18.58
Small Utility	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
Large Utility	17.51	17.50	17.47	17.48	17.48	17.52	17.44	17.41	17.28	17.39	17.61	17.74	17.94
Electric													
Mini-compact Cars	26.01	27.43	27.76	28.38	31.25	34.40	38.33	43.40	42.82	42.83	42.86	42.85	42.85
Subcompact Cars	32.69	34.46	34.80	35.57	39.15	43.07	47.92	54.19	53.42	53.39	53.37	53.34	53.33
Compact Cars	32.04	33.78	34.12	34.86	38.36	42.20	46.94	53.07	52.32	52.29	52.28	52.25	52.23
Midsize Cars	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
Large Cars	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
Two Seater Cars	30.17	31.81	32.13	32.84	36.15	39.77	44.26	50.07	49.37	49.35	49.34	49.31	49.28
Small Pickup	24.93	26.27	26.52	27.08	29.79	33.11	36.43	41.18	40.59	40.52	40.47	40.41	40.36
Large Pickup	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
Small Van	22.32	23.52	23.75	24.25	26.68	29.66	32.65	36.93	36.41	36.37	36.33	36.28	36.23
Large Van	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
Small Utility	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
Large Utility	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
Diesel-Electric Hybrid													
Mini-compact Cars	39.20	39.09	38.96	39.01	39.04	38.78	38.47	38.12	37.72	37.78	37.90	37.91	37.96
Subcompact Cars	49.66	49.45	49.11	49.12	49.09	48.68	48.15	47.60	47.03	46.96	46.89	46.81	46.76
Compact Cars	48.44	48.23	47.89	47.92	47.90	47.53	47.05	46.55	45.98	45.90	45.83	45.75	45.69
Midsize Cars	42.76	42.59	42.31	42.33	42.33	41.98	41.52	41.04	40.52	40.45	40.40	40.33	40.29
Large Cars	40.42	40.31	40.13	40.12	40.07	39.72	39.26	38.80	38.33	38.30	38.28	38.25	38.24
Two Seater Cars	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
Small Pickup	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
Large Pickup	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
Small Van	37.21	37.05	36.81	36.81	36.82	36.79	36.15	35.78	35.36	35.30	35.26	35.20	35.17
Large Van	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
Small Utility	33.90	33.77	33.55	33.56	33.56	33.55	32.98	32.64	32.25	32.23	32.24	32.22	32.24
Large Utility	28.02	27.89	27.74	27.73	27.71	27.66	27.23	26.98	26.66	26.66	26.72	26.74	26.80
Gasoline-Electric Hybrid													

Table 57. New Light-Duty Vehicle Fuel Economy
(Miles per Gallon)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Mini-compact Cars	35.53	35.43	35.33	35.42	35.52	35.29	35.05	34.78	34.43	34.51	34.65	34.68	34.75
Subcompact Cars	45.00	44.91	44.68	44.73	44.74	44.41	43.96	43.50	43.01	42.98	42.95	42.89	42.86
Compact Cars	43.90	43.78	43.57	43.64	43.73	43.48	43.11	42.72	42.24	42.20	42.17	42.11	42.08
Midsize Cars	38.75	38.60	38.39	38.46	38.52	38.27	37.92	37.53	37.11	37.08	37.05	37.01	36.99
Large Cars	36.63	36.53	36.37	36.36	36.32	36.01	35.61	35.21	34.80	34.78	34.78	34.76	34.77
Two Seater Cars	36.07	36.02	36.01	36.01	36.03	35.77	35.42	35.07	34.69	34.69	34.72	34.73	34.75
Small Pickup	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
Large Pickup	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
Small Van	33.72	33.58	33.36	33.35	33.34	33.29	32.71	32.36	31.97	31.92	31.89	31.84	31.82
Large Van	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
Small Utility	30.72	30.58	30.36	30.35	30.34	30.30	29.78	29.47	29.11	29.08	29.12	29.11	29.14
Large Utility	25.39	25.27	25.16	25.15	25.12	25.07	24.71	24.49	24.21	24.23	24.32	24.35	24.42
Fuel Cell Methanol													
Mini-compact Cars	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
Subcompact Cars	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
Compact Cars	56.51	56.42	56.35	56.28	56.20	55.52	54.75	53.98	53.22	53.18	53.17	53.14	53.12
Midsize Cars	48.34	48.27	48.22	48.16	48.10	47.53	46.89	46.25	45.61	45.58	45.57	45.54	45.51
Large Cars	43.45	43.40	43.35	43.30	43.25	42.73	42.16	41.59	41.02	40.99	40.96	40.93	40.90
Two Seater Cars	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
Small Pickup	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
Large Pickup	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
Small Van	39.36	39.29	39.22	39.15	39.08	39.02	38.08	37.56	37.04	36.99	36.95	36.90	36.85
Large Van	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
Small Utility	41.44	41.36	41.29	41.22	41.16	41.10	40.12	39.58	39.02	38.98	38.94	38.89	38.85
Large Utility	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
Fuel Cell Hydrogen													
Mini-compact Cars	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
Subcompact Cars	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
Compact Cars	61.96	61.87	61.78	61.71	61.62	60.88	60.03	59.19	58.35	58.31	58.30	58.27	58.25
Midsize Cars	53.00	52.93	52.87	52.81	52.74	52.11	51.41	50.72	50.02	49.98	49.97	49.93	49.90
Large Cars	47.65	47.59	47.53	47.47	47.42	46.86	46.23	45.60	44.98	44.94	44.91	44.88	44.85
Two Seater Cars	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
Small Pickup	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
Large Pickup	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
Small Van	43.16	43.08	43.00	42.93	42.86	42.79	41.76	41.19	40.61	40.56	40.51	40.46	40.41
Large Van	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
Small Utility	45.44	45.35	45.28	45.20	45.13	45.06	43.99	43.40	42.79	42.74	42.70	42.65	42.60
Large Utility	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
Fuel Cell Gasoline													
Mini-compact Cars	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
Subcompact Cars	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
Compact Cars	52.95	52.87	52.80	52.74	52.66	52.02	51.30	50.58	49.86	49.83	49.82	49.79	49.78
Midsize Cars	45.29	45.23	45.18	45.13	45.07	44.53	43.93	43.34	42.74	42.71	42.70	42.67	42.65
Large Cars	40.72	40.67	40.62	40.57	40.52	40.04	39.50	38.97	38.44	38.40	38.38	38.35	38.33
Two Seater Cars	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
Small Pickup	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
Large Pickup	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
Small Van	36.88	36.81	36.75	36.68	36.62	36.57	35.68	35.20	34.70	34.66	34.62	34.57	34.53
Large Van	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
Small Utility	38.83	38.76	38.69	38.63	38.57	38.51	37.60	37.09	36.57	36.52	36.49	36.44	36.40
Large Utility	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

Table 57. New Light-Duty Vehicle Fuel Economy
(Miles per Gallon)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Gasoline														
Mini-compact Cars	25.87	25.96	26.03	26.10	26.16	26.21	26.26	26.31	26.39	26.45	26.52	26.58	26.61	0.4%
Subcompact Cars	30.84	30.98	31.10	31.20	31.30	31.37	31.43	31.51	31.63	31.71	31.79	31.85	31.89	0.1%
Compact Cars	30.45	30.62	30.71	30.77	30.84	30.88	30.92	30.97	31.07	31.14	31.20	31.24	31.27	0.1%
Midsize Cars	26.83	26.92	27.00	27.09	27.16	27.21	27.26	27.31	27.39	27.45	27.50	27.55	27.57	0.1%
Large Cars	25.00	25.14	25.25	25.35	25.45	25.52	25.58	25.65	25.75	25.83	25.91	25.96	25.99	0.1%
Two Seater Cars	25.24	25.36	25.47	25.57	25.67	25.74	25.78	25.84	25.93	26.00	26.07	26.13	26.16	0.2%
Small Pickup	23.04	23.23	23.44	23.60	23.78	23.90	24.03	24.17	24.34	24.47	24.57	24.65	24.72	0.4%
Large Pickup	19.41	19.54	19.68	19.83	19.95	20.07	20.15	20.25	20.38	20.49	20.57	20.63	20.70	0.4%
Small Van	23.21	23.33	23.43	23.55	23.64	23.73	23.82	23.94	24.09	24.20	24.31	24.39	24.46	0.2%
Large Van	18.89	19.05	19.18	19.33	19.46	19.58	19.67	19.78	19.93	20.04	20.16	20.25	20.35	0.5%
Small Utility	22.00	22.18	22.31	22.48	22.63	22.75	22.87	23.00	23.16	23.27	23.39	23.48	23.56	0.5%
Large Utility	18.20	18.33	18.46	18.59	18.71	18.79	18.87	18.98	19.12	19.21	19.31	19.38	19.45	0.4%
Turbo Direct Injection Diesel														
Mini-compact Cars	32.77	32.79	32.81	32.82	32.83	32.84	32.84	32.86	32.91	32.94	32.98	33.01	33.02	0.0%
Subcompact Cars	40.16	40.18	40.18	40.18	40.19	40.20	40.18	40.17	40.21	40.23	40.24	40.24	40.25	-0.2%
Compact Cars	39.34	39.38	39.40	39.42	39.46	39.47	39.44	39.42	39.45	39.46	39.47	39.45	39.45	-0.1%
Midsize Cars	34.59	34.58	34.57	34.56	34.56	34.53	34.50	34.49	34.52	34.54	34.55	34.54	34.54	-0.2%
Large Cars	32.67	32.72	32.76	32.79	32.83	32.84	32.84	32.87	32.94	32.98	33.01	33.03	33.04	-0.1%
Two Seater Cars	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
Small Pickup	29.46	29.53	29.62	29.73	29.88	29.96	30.03	30.08	30.21	30.29	30.37	30.41	30.44	0.1%
Large Pickup	24.83	24.89	24.95	25.00	25.07	25.10	25.12	25.18	25.27	25.33	25.38	25.40	25.43	0.0%
Small Van	30.25	30.29	30.33	30.38	30.44	30.48	30.50	30.56	30.67	30.73	30.80	30.84	30.87	-0.1%
Large Van	24.10	24.19	24.25	24.34	24.42	24.47	24.50	24.57	24.69	24.77	24.84	24.89	24.94	0.1%
Small Utility	27.93	27.99	28.05	28.12	28.18	28.23	28.28	28.34	28.43	28.51	28.59	28.64	28.68	0.0%
Large Utility	23.24	23.31	23.38	23.47	23.53	23.58	23.63	23.71	23.83	23.91	23.99	24.03	24.08	0.1%
Methanol														
Mini-compact Cars	27.77	27.87	27.98	28.07	28.15	28.21	28.27	28.32	28.41	28.48	28.55	28.60	28.64	0.3%
Subcompact Cars	33.18	33.34	33.48	33.62	33.72	33.80	33.88	33.98	34.12	34.22	34.31	34.38	34.43	0.1%
Compact Cars	32.58	32.74	32.88	32.97	33.05	33.10	33.15	33.21	33.32	33.39	33.46	33.51	33.54	0.1%
Midsize Cars	28.81	28.92	29.02	29.12	29.21	29.27	29.33	29.40	29.50	29.56	29.63	29.69	29.72	0.1%
Large Cars	26.87	27.02	27.14	27.26	27.37	27.45	27.52	27.61	27.73	27.81	27.90	27.96	28.00	0.1%
Two Seater Cars	27.16	27.30	27.42	27.53	27.65	27.73	27.80	27.86	27.95	28.02	28.09	28.15	28.19	0.2%
Small Pickup	24.70	24.92	25.14	25.36	25.59	25.72	25.85	25.99	26.18	26.32	26.45	26.53	26.59	0.4%
Large Pickup	20.94	21.13	21.27	21.42	21.56	21.68	21.78	21.89	22.02	22.12	22.21	22.28	22.34	0.4%
Small Van	24.94	25.06	25.17	25.28	25.40	25.50	25.59	25.71	25.87	25.99	26.11	26.20	26.28	0.2%
Large Van	20.30	20.49	20.66	20.85	21.00	21.13	21.24	21.36	21.50	21.62	21.74	21.82	21.90	0.5%
Small Utility	23.76	23.92	24.07	24.22	24.36	24.47	24.60	24.73	24.90	25.03	25.16	25.25	25.34	0.4%
Large Utility	19.63	19.80	19.95	20.09	20.21	20.32	20.42	20.52	20.65	20.75	20.83	20.89	20.95	0.4%
Methanol Flex														
Mini-compact Cars	26.35	26.45	26.52	26.59	26.66	26.72	26.77	26.82	26.90	26.97	27.05	27.11	27.15	0.4%
Subcompact Cars	31.43	31.59	31.72	31.83	31.93	32.01	32.08	32.16	32.29	32.38	32.46	32.53	32.57	0.1%
Compact Cars	30.96	31.12	31.23	31.31	31.38	31.43	31.47	31.53	31.63	31.70	31.76	31.81	31.84	0.1%
Midsize Cars	27.32	27.43	27.52	27.61	27.70	27.75	27.80	27.85	27.94	28.01	28.07	28.11	28.14	0.1%
Large Cars	25.47	25.61	25.72	25.82	25.92	26.00	26.06	26.14	26.24	26.32	26.40	26.46	26.50	0.1%
Two Seater Cars	25.76	25.89	26.00	26.11	26.21	26.28	26.33	26.39	26.48	26.55	26.63	26.68	26.72	0.2%
Small Pickup	23.45	23.64	23.86	24.05	24.23	24.35	24.49	24.65	24.84	24.98	25.10	25.19	25.26	0.5%
Large Pickup	19.83	19.98	20.13	20.29	20.43	20.54	20.64	20.74	20.86	20.96	21.04	21.10	21.17	0.4%
Small Van	23.65	23.76	23.88	24.00	24.10	24.19	24.29	24.40	24.56	24.67	24.79	24.87	24.95	0.2%
Large Van	19.25	19.43	19.59	19.76	19.90	20.03	20.13	20.24	20.40	20.53	20.63	20.71	20.80	0.5%
Small Utility	22.50	22.67	22.83	22.97	23.11	23.24	23.36	23.49	23.66	23.79	23.91	24.00	24.08	0.5%

Table 57. New Light-Duty Vehicle Fuel Economy
(Miles per Gallon)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Large Utility	18.58	18.73	18.86	19.00	19.13	19.23	19.32	19.43	19.58	19.66	19.76	19.83	19.90	0.5%
Ethanol														
Mini-compact Cars	26.82	26.91	27.01	27.09	27.17	27.23	27.29	27.35	27.43	27.50	27.58	27.64	27.68	0.4%
Subcompact Cars	32.02	32.18	32.33	32.44	32.55	32.62	32.70	32.79	32.91	33.01	33.10	33.17	33.22	0.1%
Compact Cars	31.50	31.66	31.79	31.86	31.94	31.99	32.03	32.09	32.20	32.27	32.33	32.38	32.41	0.1%
Midsize Cars	27.82	27.93	28.03	28.13	28.22	28.27	28.33	28.39	28.48	28.55	28.61	28.66	28.69	0.1%
Large Cars	25.93	26.08	26.20	26.31	26.42	26.50	26.57	26.64	26.74	26.82	26.90	26.96	27.00	0.1%
Two Seater Cars	26.24	26.37	26.48	26.60	26.70	26.78	26.84	26.89	26.98	27.06	27.13	27.19	27.23	0.2%
Small Pickup	23.86	24.06	24.28	24.49	24.69	24.82	24.96	25.11	25.30	25.45	25.57	25.65	25.72	0.4%
Large Pickup	20.22	20.38	20.53	20.69	20.83	20.95	21.05	21.14	21.26	21.36	21.46	21.52	21.58	0.4%
Small Van	24.11	24.23	24.33	24.45	24.55	24.64	24.74	24.85	25.01	25.12	25.24	25.33	25.42	0.2%
Large Van	19.61	19.81	19.98	20.15	20.29	20.42	20.53	20.64	20.79	20.91	21.01	21.09	21.18	0.5%
Small Utility	22.93	23.10	23.25	23.40	23.54	23.67	23.79	23.93	24.10	24.23	24.35	24.45	24.54	0.5%
Large Utility	18.97	19.12	19.25	19.39	19.51	19.63	19.71	19.81	19.96	20.04	20.13	20.21	20.27	0.5%
Ethanol Flex														
Mini-compact Cars	26.13	26.22	26.30	26.36	26.43	26.49	26.54	26.59	26.67	26.74	26.81	26.87	26.90	0.4%
Subcompact Cars	31.14	31.29	31.43	31.53	31.63	31.70	31.77	31.86	31.98	32.07	32.15	32.22	32.26	0.1%
Compact Cars	30.69	30.86	30.96	31.03	31.10	31.15	31.19	31.25	31.35	31.42	31.49	31.53	31.56	0.1%
Midsize Cars	27.08	27.18	27.27	27.36	27.44	27.49	27.54	27.59	27.68	27.74	27.80	27.85	27.88	0.1%
Large Cars	25.24	25.38	25.49	25.59	25.69	25.77	25.83	25.90	26.01	26.09	26.17	26.22	26.26	0.1%
Two Seater Cars	25.53	25.65	25.77	25.88	25.98	26.05	26.10	26.16	26.25	26.32	26.39	26.45	26.48	0.2%
Small Pickup	23.25	23.44	23.65	23.85	24.02	24.14	24.26	24.42	24.61	24.75	24.87	24.96	25.03	0.5%
Large Pickup	19.63	19.78	19.93	20.09	20.22	20.34	20.44	20.53	20.66	20.76	20.84	20.90	20.97	0.4%
Small Van	23.43	23.55	23.67	23.79	23.88	23.98	24.07	24.18	24.34	24.46	24.57	24.65	24.73	0.2%
Large Van	19.08	19.25	19.40	19.56	19.70	19.84	19.93	20.05	20.20	20.33	20.43	20.52	20.61	0.5%
Small Utility	22.28	22.45	22.59	22.75	22.90	23.03	23.15	23.28	23.45	23.57	23.69	23.78	23.86	0.5%
Large Utility	18.41	18.55	18.67	18.81	18.94	19.04	19.13	19.24	19.38	19.47	19.56	19.64	19.71	0.5%
Compressed Natural Gas (CNG)														
Mini-compact Cars	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
Subcompact Cars	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
Compact Cars	32.70	32.82	32.92	32.97	33.01	33.02	33.03	33.05	33.13	33.17	33.21	33.22	33.23	0.1%
Midsize Cars	28.69	28.76	28.80	28.86	28.91	28.93	28.95	28.98	29.06	29.10	29.14	29.15	29.16	0.1%
Large Cars	26.65	26.76	26.84	26.93	27.01	27.06	27.10	27.17	27.25	27.31	27.36	27.39	27.42	0.0%
Two Seater Cars	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
Small Pickup	24.51	24.64	24.80	24.96	25.13	25.21	25.29	25.40	25.55	25.67	25.75	25.80	25.85	0.3%
Large Pickup	20.50	20.63	20.71	20.81	20.91	21.00	21.06	21.11	21.22	21.29	21.36	21.40	21.45	0.2%
Small Van	24.82	24.89	24.96	25.04	25.13	25.19	25.25	25.33	25.46	25.55	25.65	25.70	25.76	0.1%
Large Van	19.93	20.07	20.19	20.31	20.43	20.51	20.59	20.67	20.79	20.88	20.96	21.02	21.09	0.3%
Small Utility	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
Large Utility	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
CNG Bi-Fuel														
Mini-compact Cars	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
Subcompact Cars	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
Compact Cars	30.52	30.66	30.72	30.75	30.79	30.80	30.80	30.82	30.88	30.91	30.94	30.95	30.95	0.1%
Midsize Cars	26.79	26.85	26.89	26.94	26.97	26.99	26.99	27.00	27.05	27.09	27.12	27.13	27.14	0.1%
Large Cars	24.83	24.92	25.00	25.07	25.15	25.18	25.21	25.27	25.37	25.44	25.50	25.53	25.55	0.1%
Two Seater Cars	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
Small Pickup	22.99	23.12	23.28	23.40	23.53	23.61	23.70	23.81	23.96	24.05	24.13	24.17	24.21	0.4%
Large Pickup	19.19	19.27	19.37	19.46	19.54	19.61	19.64	19.70	19.81	19.86	19.92	19.96	20.00	0.2%
Small Van	23.20	23.29	23.36	23.45	23.51	23.57	23.63	23.72	23.85	23.94	24.02	24.07	24.12	0.2%
Large Van	18.68	18.78	18.87	18.97	19.07	19.13	19.18	19.27	19.39	19.47	19.55	19.62	19.68	0.4%
Small Utility	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
Large Utility	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

Table 57. New Light-Duty Vehicle Fuel Economy
(Miles per Gallon)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Liquefied Petroleum Gas (LPG)														
Mini-compact Cars	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
Subcompact Cars	31.91	32.04	32.16	32.26	32.34	32.41	32.46	32.54	32.66	32.74	32.81	32.87	32.91	0.1%
Compact Cars	31.49	31.63	31.75	31.81	31.87	31.90	31.94	31.99	32.08	32.14	32.20	32.24	32.27	0.1%
Midsize Cars	27.75	27.83	27.91	27.99	28.07	28.11	28.15	28.21	28.29	28.34	28.40	28.44	28.47	0.1%
Large Cars	25.86	26.00	26.11	26.21	26.30	26.37	26.43	26.49	26.58	26.66	26.73	26.78	26.81	0.1%
Two Seater Cars	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
Small Pickup	23.78	23.96	24.16	24.35	24.51	24.62	24.73	24.87	25.04	25.16	25.26	25.34	25.41	0.4%
Large Pickup	20.06	20.19	20.33	20.47	20.60	20.71	20.80	20.89	21.02	21.11	21.21	21.27	21.32	0.4%
Small Van	24.03	24.13	24.22	24.33	24.40	24.49	24.57	24.67	24.82	24.92	25.03	25.10	25.18	0.2%
Large Van	19.50	19.67	19.81	19.96	20.09	20.20	20.28	20.39	20.54	20.67	20.76	20.85	20.93	0.5%
Small Utility	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
Large Utility	18.85	18.98	19.09	19.22	19.33	19.41	19.49	19.59	19.73	19.81	19.91	19.99	20.06	0.4%
LPG Bi-Fuel														
Mini-compact Cars	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
Subcompact Cars	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
Compact Cars	30.47	30.63	30.70	30.76	30.81	30.85	30.87	30.92	31.01	31.07	31.12	31.15	31.17	0.1%
Midsize Cars	26.80	26.88	26.96	27.03	27.09	27.13	27.16	27.20	27.27	27.32	27.37	27.41	27.43	0.1%
Large Cars	24.95	25.09	25.19	25.28	25.37	25.44	25.49	25.55	25.65	25.72	25.79	25.83	25.86	0.1%
Two Seater Cars	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
Small Pickup	22.98	23.15	23.35	23.50	23.66	23.78	23.89	24.02	24.19	24.30	24.40	24.46	24.51	0.4%
Large Pickup	19.31	19.43	19.56	19.69	19.80	19.90	19.96	20.04	20.16	20.25	20.32	20.37	20.43	0.3%
Small Van	23.18	23.28	23.38	23.49	23.57	23.65	23.73	23.84	23.99	24.09	24.19	24.26	24.32	0.2%
Large Van	18.83	18.96	19.09	19.22	19.35	19.46	19.53	19.63	19.77	19.86	19.95	20.04	20.12	0.4%
Small Utility	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
Large Utility	18.12	18.24	18.35	18.47	18.58	18.66	18.73	18.83	18.96	19.03	19.12	19.18	19.25	0.4%
Electric														
Mini-compact Cars	42.83	42.79	42.77	42.74	42.71	42.68	42.64	42.62	42.64	42.67	42.70	42.72	42.74	1.9%
Subcompact Cars	53.31	53.28	53.25	53.21	53.18	53.14	53.11	53.07	53.11	53.14	53.17	53.19	53.22	1.8%
Compact Cars	52.20	52.17	52.14	52.10	52.07	52.04	52.01	51.97	52.01	52.04	52.07	52.10	52.12	1.8%
Midsize Cars	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
Large Cars	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
Two Seater Cars	49.25	49.21	49.18	49.15	49.12	49.09	49.06	49.02	49.06	49.09	49.12	49.14	49.16	1.8%
Small Pickup	40.31	40.26	40.21	40.15	40.09	40.04	39.98	39.92	39.93	39.95	39.96	39.96	39.96	1.8%
Large Pickup	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
Small Van	36.19	36.15	36.10	36.05	36.00	35.95	35.90	35.85	35.87	35.89	35.92	35.94	35.96	1.8%
Large Van	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
Small Utility	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
Large Utility	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
Diesel-Electric Hybrid														
Mini-compact Cars	37.99	37.97	37.97	37.97	37.97	37.97	37.96	37.96	38.01	38.04	38.07	38.09	38.10	-0.1%
Subcompact Cars	46.72	46.67	46.63	46.60	46.58	46.56	46.53	46.51	46.55	46.57	46.59	46.60	46.61	-0.2%
Compact Cars	45.64	45.57	45.51	45.47	45.43	45.39	45.34	45.31	45.33	45.33	45.33	45.31	45.31	-0.3%
Midsize Cars	40.25	40.20	40.15	40.12	40.10	40.06	40.02	40.00	40.02	40.03	40.04	40.03	40.02	-0.3%
Large Cars	38.24	38.24	38.24	38.24	38.25	38.26	38.25	38.26	38.31	38.34	38.37	38.39	38.40	-0.2%
Two Seater Cars	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
Small Pickup	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
Large Pickup	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
Small Van	35.14	35.12	35.10	35.09	35.09	35.09	35.08	35.09	35.16	35.22	35.27	35.30	35.33	-0.2%
Large Van	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
Small Utility	32.27	32.29	32.31	32.33	32.36	32.38	32.40	32.44	32.53	32.60	32.67	32.72	32.77	-0.1%
Large Utility	26.89	26.91	26.94	26.99	27.03	27.05	27.08	27.11	27.17	27.24	27.30	27.34	27.39	-0.1%
Gasoline-Electric Hybrid														

Table 57. New Light-Duty Vehicle Fuel Economy
(Miles per Gallon)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Mini-compact Cars	34.79	34.79	34.80	34.81	34.82	34.82	34.82	34.83	34.88	34.92	34.96	34.98	35.00	-0.1%
Subcompact Cars	42.84	42.81	42.78	42.77	42.77	42.76	42.74	42.74	42.79	42.82	42.84	42.85	42.87	-0.2%
Compact Cars	42.05	42.00	41.96	41.94	41.92	41.89	41.85	41.83	41.86	41.88	41.89	41.88	41.89	-0.2%
Midsize Cars	36.97	36.94	36.92	36.91	36.90	36.88	36.85	36.84	36.86	36.88	36.89	36.88	36.89	-0.2%
Large Cars	34.79	34.81	34.82	34.84	34.86	34.87	34.88	34.90	34.96	34.99	35.03	35.05	35.07	-0.2%
Two Seater Cars	34.79	34.81	34.82	34.84	34.85	34.86	34.86	34.87	34.92	34.96	35.00	35.02	35.03	-0.1%
Small Pickup	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
Large Pickup	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
Small Van	31.82	31.82	31.81	31.82	31.84	31.84	31.84	31.87	31.95	32.01	32.07	32.11	32.14	-0.2%
Large Van	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
Small Utility	29.20	29.23	29.26	29.29	29.33	29.35	29.38	29.43	29.52	29.59	29.66	29.72	29.77	-0.1%
Large Utility	24.50	24.53	24.55	24.59	24.64	24.65	24.67	24.72	24.83	24.91	24.98	25.03	25.08	0.0%
Fuel Cell Methanol														
Mini-compact Cars	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
Subcompact Cars	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
Compact Cars	53.09	53.06	53.03	52.99	52.96	52.93	52.89	52.86	52.90	52.93	52.96	52.99	53.01	-0.3%
Midsize Cars	45.49	45.45	45.42	45.39	45.36	45.33	45.30	45.26	45.29	45.32	45.35	45.36	45.38	-0.3%
Large Cars	40.87	40.84	40.81	40.78	40.75	40.73	40.70	40.67	40.69	40.72	40.73	40.75	40.77	-0.3%
Two Seater Cars	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
Small Pickup	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
Large Pickup	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
Small Van	36.81	36.76	36.72	36.67	36.62	36.56	36.51	36.46	36.48	36.51	36.53	36.56	36.58	-0.3%
Large Van	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
Small Utility	38.80	38.75	38.70	38.64	38.58	38.52	38.46	38.40	38.43	38.45	38.47	38.49	38.51	-0.3%
Large Utility	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
Fuel Cell Hydrogen														
Mini-compact Cars	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
Subcompact Cars	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
Compact Cars	58.22	58.18	58.14	58.11	58.07	58.03	58.00	57.96	58.00	58.04	58.07	58.10	58.12	-0.3%
Midsize Cars	49.87	49.84	49.80	49.77	49.74	49.70	49.67	49.63	49.66	49.69	49.72	49.74	49.76	-0.3%
Large Cars	44.82	44.79	44.75	44.71	44.68	44.66	44.63	44.59	44.62	44.64	44.66	44.69	44.71	-0.3%
Two Seater Cars	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
Small Pickup	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
Large Pickup	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
Small Van	40.36	40.31	40.26	40.21	40.15	40.09	40.03	39.98	40.00	40.03	40.06	40.08	40.11	-0.3%
Large Van	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
Small Utility	42.55	42.49	42.43	42.37	42.30	42.23	42.17	42.11	42.13	42.16	42.18	42.21	42.23	-0.3%
Large Utility	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
Fuel Cell Gasoline														
Mini-compact Cars	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
Subcompact Cars	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
Compact Cars	49.75	49.72	49.69	49.66	49.63	49.59	49.56	49.53	49.57	49.60	49.63	49.65	49.67	-0.3%
Midsize Cars	42.62	42.59	42.56	42.53	42.51	42.47	42.45	42.41	42.44	42.47	42.49	42.51	42.53	-0.3%
Large Cars	38.30	38.27	38.24	38.21	38.19	38.16	38.14	38.11	38.13	38.15	38.17	38.19	38.21	-0.3%
Two Seater Cars	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
Small Pickup	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
Large Pickup	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
Small Van	34.49	34.45	34.41	34.36	34.31	34.26	34.21	34.16	34.18	34.21	34.23	34.25	34.27	-0.3%
Large Van	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
Small Utility	36.36	36.31	36.26	36.20	36.15	36.09	36.04	35.99	36.01	36.03	36.05	36.07	36.09	-0.3%
Large Utility	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

Table 57. New Light-Duty Vehicle Fuel Economy
(Miles per Gallon)

Sources: 2001 derived using: Energy and Environmental Analysis Inc., Updates to the Fuel Economy Model, prepared for Energy Information Administration (EIA) (Washington, DC, June 1998); National Highway Traffic and Safety Administration, Mid-Model Year Fuel Economy Reports from Auto Manufacturers, 2000; and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 58. New Light-Duty Vehicle Prices
(Thousand 2001 Dollars)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Gasoline													
Mini-compact Cars	53.4	53.4	53.5	53.5	53.5	53.7	53.9	54.1	54.2	54.3	54.3	54.4	54.4
Subcompact Cars	18.4	18.4	18.5	18.5	18.5	18.7	18.9	19.0	19.1	19.2	19.2	19.3	19.3
Compact Cars	18.6	18.6	18.7	18.7	18.8	18.9	19.1	19.3	19.4	19.5	19.5	19.6	19.6
Midsize Cars	25.0	25.0	25.1	25.1	25.1	25.3	25.5	25.7	25.8	25.9	25.9	26.0	26.0
Large Cars	29.5	29.6	29.6	29.6	29.6	29.8	30.0	30.1	30.2	30.2	30.3	30.3	30.4
Two Seater Cars	42.5	42.5	42.6	42.6	42.6	42.7	42.9	43.1	43.2	43.2	43.3	43.3	43.4
Small Pickup	17.4	17.5	17.5	17.5	17.6	17.6	18.1	18.2	18.4	18.4	18.5	18.5	18.6
Large Pickup	24.3	24.4	24.4	24.4	24.4	24.5	24.9	25.1	25.2	25.3	25.3	25.4	25.4
Small Van	25.7	25.7	25.8	25.8	25.8	25.8	26.3	26.4	26.6	26.6	26.7	26.7	26.8
Large Van	22.0	22.0	22.1	22.1	22.1	22.2	22.6	22.8	22.9	23.0	23.0	23.1	23.1
Small Utility	26.6	26.7	26.7	26.7	26.8	26.8	27.3	27.4	27.6	27.6	27.7	27.7	27.8
Large Utility	34.1	34.2	34.2	34.2	34.3	34.3	34.8	34.9	35.0	35.1	35.2	35.2	35.3
Turbo Direct Injection Diesel													
Mini-compact Cars	54.9	54.9	55.0	55.0	55.0	55.2	55.4	55.5	55.6	55.7	55.7	55.7	55.7
Subcompact Cars	19.9	19.9	20.0	20.0	20.0	20.2	20.3	20.5	20.6	20.6	20.7	20.7	20.8
Compact Cars	20.1	20.1	20.2	20.2	20.2	20.4	20.5	20.7	20.8	20.8	20.9	20.9	21.0
Midsize Cars	27.3	27.2	27.3	27.3	27.3	27.5	27.7	27.8	27.9	28.0	28.0	28.1	28.1
Large Cars	31.8	31.8	31.9	31.9	31.9	32.0	32.2	32.3	32.4	32.5	32.5	32.5	32.6
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Pickup	20.5	19.9	20.0	20.0	20.0	20.1	20.5	20.7	20.8	20.8	20.9	20.9	21.0
Large Pickup	26.6	25.9	25.9	25.9	26.0	26.0	26.4	26.6	26.7	26.7	26.8	26.8	26.9
Small Van	28.7	27.9	28.0	27.9	27.9	28.0	28.4	28.6	28.7	28.7	28.7	28.8	28.8
Large Van	24.3	24.0	24.1	24.1	24.1	24.1	24.6	24.7	24.8	24.9	24.9	25.0	25.0
Small Utility	29.6	28.7	28.7	28.7	28.8	28.8	29.2	29.4	29.5	29.6	29.6	29.7	29.7
Large Utility	36.4	35.7	35.7	35.7	35.8	35.8	36.2	36.4	36.5	36.5	36.6	36.6	36.7
Methanol													
Mini-compact Cars	55.4	55.4	55.4	55.5	55.5	55.6	55.9	56.0	56.2	56.2	56.3	56.3	56.3
Subcompact Cars	20.3	20.4	20.4	20.4	20.5	20.6	20.8	20.9	21.1	21.1	21.2	21.2	21.2
Compact Cars	20.6	20.6	20.7	20.7	20.7	20.9	21.1	21.2	21.4	21.4	21.5	21.5	21.6
Midsize Cars	27.1	27.2	27.2	27.2	27.3	27.4	27.6	27.8	27.9	28.0	28.0	28.1	28.1
Large Cars	31.7	31.7	31.7	31.7	31.7	31.9	32.1	32.2	32.3	32.3	32.4	32.4	32.5
Two Seater Cars	44.5	44.5	44.5	44.5	44.5	44.7	44.9	45.0	45.1	45.2	45.2	45.3	45.3
Small Pickup	19.7	19.8	19.8	19.8	19.9	19.9	20.4	20.5	20.6	20.7	20.7	20.8	20.8
Large Pickup	26.5	26.5	26.6	26.6	26.6	26.6	27.0	27.2	27.3	27.3	27.4	27.4	27.5
Small Van	28.0	28.0	28.1	28.1	28.1	28.1	28.6	28.7	28.8	28.9	28.9	29.0	29.0
Large Van	24.1	24.2	24.2	24.2	24.2	24.3	24.7	24.9	25.0	25.1	25.1	25.1	25.2
Small Utility	28.9	29.0	29.0	29.0	29.0	29.1	29.5	29.6	29.8	29.8	29.8	29.9	29.9
Large Utility	36.3	36.3	36.4	36.4	36.4	36.4	36.9	37.0	37.1	37.2	37.2	37.3	37.3
Methanol Flex													
Mini-compact Cars	55.5	55.5	55.6	55.6	55.6	55.8	56.0	56.2	56.3	56.4	56.4	56.4	56.5
Subcompact Cars	20.4	20.5	20.6	20.6	20.6	20.7	20.9	21.1	21.2	21.2	21.3	21.3	21.4
Compact Cars	20.7	20.7	20.8	20.8	20.8	21.0	21.2	21.4	21.5	21.5	21.6	21.7	21.7
Midsize Cars	27.3	27.3	27.4	27.4	27.4	27.6	27.8	28.0	28.1	28.1	28.2	28.3	28.3
Large Cars	31.9	31.9	31.9	31.9	31.9	32.1	32.3	32.4	32.5	32.5	32.6	32.6	32.7
Two Seater Cars	44.6	44.6	44.6	44.6	44.7	44.8	45.0	45.2	45.3	45.3	45.4	45.4	45.4

Table 58. New Light-Duty Vehicle Prices
(Thousand 2001 Dollars)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Small Pickup	20.0	20.0	20.1	20.1	20.1	20.1	20.6	20.7	20.9	20.9	21.0	21.0	21.1
Large Pickup	26.6	26.7	26.7	26.7	26.7	26.8	27.2	27.4	27.5	27.6	27.6	27.7	27.7
Small Van	28.2	28.2	28.3	28.3	28.3	28.4	28.8	29.0	29.1	29.1	29.2	29.2	29.3
Large Van	24.3	24.3	24.4	24.4	24.4	24.5	24.9	25.1	25.2	25.3	25.3	25.4	25.4
Small Utility	29.1	29.2	29.3	29.3	29.3	29.3	29.8	29.9	30.1	30.1	30.1	30.2	30.2
Large Utility	36.4	36.5	36.5	36.5	36.6	36.6	37.1	37.2	37.3	37.4	37.5	37.5	37.6
Ethanol													
Mini-compact Cars	55.4	55.4	55.4	55.5	55.5	55.7	55.9	56.0	56.2	56.2	56.3	56.3	56.3
Subcompact Cars	20.3	20.4	20.4	20.4	20.5	20.6	20.8	20.9	21.1	21.1	21.2	21.2	21.3
Compact Cars	20.6	20.6	20.7	20.7	20.7	20.9	21.1	21.2	21.4	21.4	21.5	21.5	21.6
Midsize Cars	27.1	27.2	27.2	27.2	27.3	27.4	27.6	27.8	27.9	28.0	28.0	28.1	28.1
Large Cars	31.7	31.7	31.7	31.7	31.7	31.9	32.1	32.2	32.3	32.4	32.4	32.5	32.5
Two Seater Cars	44.5	44.5	44.5	44.5	44.6	44.7	44.9	45.0	45.2	45.2	45.2	45.3	45.3
Small Pickup	19.7	19.8	19.8	19.8	19.9	19.9	20.4	20.5	20.6	20.7	20.8	20.8	20.8
Large Pickup	26.5	26.5	26.6	26.6	26.6	26.6	27.1	27.2	27.3	27.4	27.4	27.5	27.5
Small Van	28.0	28.0	28.1	28.1	28.1	28.1	28.6	28.7	28.8	28.9	28.9	29.0	29.0
Large Van	24.1	24.2	24.2	24.2	24.2	24.3	24.7	24.9	25.0	25.1	25.1	25.2	25.2
Small Utility	28.9	29.0	29.0	29.0	29.0	29.1	29.5	29.7	29.8	29.8	29.9	29.9	30.0
Large Utility	36.3	36.3	36.4	36.4	36.4	36.4	36.9	37.0	37.2	37.2	37.3	37.3	37.4
Ethanol Flex													
Mini-compact Cars	55.5	55.5	55.6	55.6	55.6	55.8	56.0	56.2	56.3	56.4	56.4	56.4	56.5
Subcompact Cars	20.4	19.8	19.9	19.8	19.9	20.1	20.2	20.4	20.5	20.5	20.6	20.6	20.6
Compact Cars	20.7	19.4	19.5	19.4	19.5	19.7	19.9	20.0	20.1	20.2	20.2	20.3	20.3
Midsize Cars	27.3	25.4	25.4	25.4	25.5	25.6	25.9	26.0	26.1	26.2	26.3	26.3	26.4
Large Cars	31.9	30.4	30.5	30.6	30.5	30.7	30.9	31.0	31.1	31.2	31.2	31.2	31.3
Two Seater Cars	44.6	44.6	44.6	44.7	44.7	44.8	45.0	45.2	45.3	45.3	45.4	45.4	45.4
Small Pickup	20.0	19.3	19.4	19.5	19.4	19.5	20.0	20.1	20.2	20.2	20.3	20.3	20.4
Large Pickup	26.6	25.4	25.5	25.5	25.5	25.6	26.0	26.1	26.3	26.3	26.3	26.4	26.4
Small Van	28.2	26.9	26.9	26.8	26.9	27.0	27.4	27.5	27.6	27.6	27.7	27.7	27.7
Large Van	24.3	24.3	24.4	24.4	24.4	24.5	24.9	25.1	25.2	25.3	25.3	25.4	25.4
Small Utility	29.1	27.0	27.1	27.1	27.1	27.2	27.6	27.8	27.9	28.0	28.0	28.0	28.1
Large Utility	36.4	34.8	34.9	34.9	34.9	35.0	35.4	35.5	35.7	35.7	35.7	35.8	35.8
Compressed Natural Gas (CNG)													
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compact Cars	24.7	24.8	24.8	24.9	24.9	25.1	25.3	25.4	25.6	25.6	25.7	25.7	25.8
Midsize Cars	31.4	31.5	31.5	31.5	31.6	31.8	32.0	32.1	32.2	32.3	32.4	32.4	32.5
Large Cars	36.0	36.0	36.0	36.0	36.1	36.2	36.4	36.5	36.6	36.7	36.7	36.8	36.8
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Pickup	24.2	24.2	24.3	24.3	24.3	24.4	24.9	25.0	25.2	25.2	25.3	25.3	25.4
Large Pickup	30.8	30.8	30.9	30.9	30.9	30.9	31.4	31.6	31.7	31.7	31.8	31.9	31.9
Small Van	32.5	32.5	32.5	32.6	32.6	32.6	33.1	33.2	33.4	33.4	33.5	33.5	33.6
Large Van	28.4	28.5	28.5	28.5	28.6	28.6	29.1	29.2	29.4	29.4	29.5	29.5	29.6
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CNG Bi-Fuel													
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compact Cars	23.6	23.6	23.7	23.7	23.8	23.9	24.2	24.3	24.5	24.5	24.6	24.7	24.7

Table 58. New Light-Duty Vehicle Prices
(Thousand 2001 Dollars)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Midsize Cars	30.5	30.5	30.6	30.6	30.6	30.8	31.0	31.2	31.3	31.4	31.5	31.5	31.6
Large Cars	35.0	35.1	35.1	35.1	35.1	35.3	35.5	35.6	35.7	35.7	35.8	35.8	35.9
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Pickup	23.4	23.5	23.6	23.6	23.6	23.6	24.1	24.3	24.4	24.5	24.6	24.6	24.7
Large Pickup	29.8	29.9	29.9	29.9	30.0	30.0	30.5	30.6	30.8	30.8	30.9	31.0	31.0
Small Van	31.7	31.7	31.8	31.8	31.8	31.9	32.3	32.5	32.6	32.7	32.7	32.8	32.9
Large Van	27.5	27.5	27.6	27.6	27.6	27.7	28.1	28.3	28.4	28.5	28.6	28.6	28.7
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Liquefied Petroleum Gas (LPG)													
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subcompact Cars	23.0	23.0	23.1	23.1	23.1	23.3	23.5	23.6	23.8	23.8	23.9	23.9	24.0
Compact Cars	23.3	23.3	23.4	23.4	23.4	23.6	23.8	23.9	24.1	24.1	24.2	24.2	24.3
Midsize Cars	30.7	30.8	30.9	30.9	30.9	31.1	31.3	31.4	31.5	31.6	31.7	31.7	31.8
Large Cars	35.3	35.3	35.4	35.4	35.4	35.5	35.7	35.8	35.9	36.0	36.0	36.1	36.1
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Pickup	24.3	24.3	24.4	24.4	24.5	24.5	25.0	25.1	25.2	25.3	25.4	25.4	25.5
Large Pickup	30.1	30.1	30.2	30.2	30.2	30.2	30.7	30.8	31.0	31.0	31.1	31.1	31.2
Small Van	32.6	32.6	32.7	32.7	32.7	32.7	33.2	33.3	33.4	33.5	33.5	33.6	33.6
Large Van	27.8	27.8	27.9	27.9	27.9	27.9	28.4	28.5	28.7	28.7	28.8	28.8	28.9
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Large Utility	39.9	39.9	40.0	40.0	40.0	40.0	40.5	40.7	40.8	40.9	40.9	41.0	41.0
LPG Bi-Fuel													
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compact Cars	23.1	23.1	23.2	23.2	23.3	23.4	23.6	23.8	23.9	24.0	24.1	24.1	24.2
Midsize Cars	29.7	29.7	29.8	29.8	29.8	30.0	30.2	30.4	30.5	30.6	30.6	30.7	30.8
Large Cars	34.2	34.2	34.3	34.3	34.3	34.4	34.6	34.8	34.9	34.9	35.0	35.0	35.1
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Pickup	22.3	22.4	22.4	22.4	22.5	22.5	23.0	23.1	23.3	23.3	23.4	23.4	23.5
Large Pickup	29.0	29.0	29.1	29.1	29.1	29.2	29.6	29.8	29.9	30.0	30.1	30.1	30.2
Small Van	30.6	30.6	30.7	30.7	30.7	30.7	31.2	31.3	31.5	31.5	31.6	31.6	31.7
Large Van	26.7	26.7	26.8	26.8	26.8	26.9	27.3	27.5	27.6	27.7	27.7	27.8	27.9
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Large Utility	38.8	38.9	38.9	38.9	38.9	39.0	39.4	39.6	39.7	39.8	39.9	39.9	40.0
Electric													
Mini-compact Cars	78.6	78.5	78.1	77.7	77.6	78.3	79.0	79.6	79.4	79.0	78.6	78.3	77.9
Subcompact Cars	41.4	41.3	41.0	40.7	40.6	41.1	41.7	42.2	42.0	41.7	41.4	41.1	40.9
Compact Cars	41.8	41.7	41.4	41.1	41.0	41.6	42.1	42.7	42.5	42.2	41.9	41.6	41.3
Midsize Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Large Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Two Seater Cars	66.2	66.2	65.8	65.5	65.4	66.0	66.6	67.2	67.0	66.6	66.3	64.6	63.3
Small Pickup	43.1	43.0	42.6	42.2	42.1	42.8	43.6	44.3	44.1	43.7	43.3	43.0	42.6
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Van	52.6	52.6	52.1	51.7	51.6	52.3	53.1	51.9	51.1	49.7	49.9	48.6	48.8
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Diesel-Electric Hybrid													

Table 58. New Light-Duty Vehicle Prices
(Thousand 2001 Dollars)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Mini-compact Cars	64.2	63.3	62.4	61.5	60.5	60.6	60.6	60.7	60.7	60.6	60.6	60.5	60.5
Subcompact Cars	27.7	27.0	26.3	25.6	24.8	24.9	25.0	25.0	25.0	25.0	24.9	24.8	24.7
Compact Cars	28.1	27.3	26.7	25.9	25.1	25.2	25.3	24.9	24.2	24.1	24.0	23.9	23.8
Midsize Cars	36.1	35.2	34.4	33.5	32.4	32.5	31.7	30.6	29.8	29.7	29.6	29.5	29.4
Large Cars	41.4	40.5	39.5	38.5	37.5	37.5	37.6	37.1	36.2	36.1	36.0	35.8	35.7
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Van	39.0	38.0	36.9	35.9	34.7	34.6	34.9	34.9	33.9	33.7	33.6	33.4	33.3
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Utility	39.5	38.5	37.6	36.5	35.4	35.3	35.3	34.3	33.3	33.2	33.1	32.9	32.8
Large Utility	49.1	47.8	46.5	45.1	43.6	43.5	43.8	43.8	43.4	43.3	43.1	42.9	42.8
Gasoline-Electric Hybrid													
Mini-compact Cars	62.2	61.5	60.8	60.1	59.2	59.3	59.4	59.5	59.5	59.5	59.4	59.4	59.4
Subcompact Cars	26.0	25.4	24.9	23.7	22.7	22.8	22.3	21.6	21.1	21.1	21.1	21.1	21.0
Compact Cars	26.3	25.0	24.2	23.0	22.0	22.1	21.6	21.4	21.4	21.4	21.4	21.4	21.4
Midsize Cars	34.2	31.1	30.2	29.2	28.0	28.1	28.1	28.1	28.2	28.1	28.1	28.1	28.0
Large Cars	39.4	37.7	36.6	35.5	34.2	34.2	33.6	32.9	32.9	32.8	32.8	32.8	32.7
Two Seater Cars	50.5	49.9	49.3	48.6	47.9	48.0	48.1	48.2	47.9	47.8	47.7	47.6	47.6
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Van	36.8	35.1	33.8	32.2	30.7	30.6	30.4	29.5	29.5	29.5	29.4	29.4	29.3
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Utility	37.4	34.6	33.5	32.1	30.7	30.6	30.3	30.3	30.3	30.3	30.2	30.2	30.1
Large Utility	46.5	45.4	44.1	42.4	40.6	40.5	40.2	39.4	38.8	38.7	38.7	38.6	38.5
Fuel Cell Methanol													
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compact Cars	0.0	0.0	0.0	0.0	0.0	78.7	76.9	75.2	73.4	71.0	68.8	66.7	64.6
Midsize Cars	0.0	0.0	0.0	0.0	0.0	94.7	92.5	90.4	88.3	85.6	83.1	80.5	78.1
Large Cars	0.0	0.0	0.0	0.0	0.0	106.7	104.3	102.0	99.6	96.6	93.8	91.0	88.3
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Van	0.0	0.0	0.0	0.0	0.0	109.9	108.1	105.6	103.0	99.7	96.6	93.5	90.6
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Utility	0.0	0.0	0.0	0.0	0.0	106.7	105.0	102.6	100.1	97.0	94.0	91.1	88.3
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Hydrogen													
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compact Cars	0.0	0.0	0.0	0.0	0.0	68.0	66.7	65.5	64.3	62.7	61.1	59.6	58.2
Midsize Cars	0.0	0.0	0.0	0.0	0.0	81.0	79.5	78.1	76.7	74.8	73.0	71.2	69.6
Large Cars	0.0	0.0	0.0	0.0	0.0	90.8	89.0	87.5	85.9	83.8	81.8	79.8	78.1
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Van	0.0	0.0	0.0	0.0	0.0	91.8	90.5	88.8	87.1	84.8	82.6	80.4	78.5
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Utility	0.0	0.0	0.0	0.0	0.0	89.9	88.6	87.0	85.4	83.2	81.1	79.0	77.2

Table 58. New Light-Duty Vehicle Prices
(Thousand 2001 Dollars)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fuel Cell Gasoline													
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Compact Cars	0.0	0.0	0.0	0.0	0.0	87.4	85.4	83.3	81.3	78.6	76.0	73.5	71.1
Midsize Cars	0.0	0.0	0.0	0.0	0.0	104.9	102.4	99.9	97.5	94.4	91.4	88.5	85.8
Large Cars	0.0	0.0	0.0	0.0	0.0	118.0	115.3	112.6	109.9	106.4	103.1	99.9	96.8
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Van	0.0	0.0	0.0	0.0	0.0	122.3	120.3	117.3	114.3	110.5	106.9	103.3	100.0
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Small Utility	0.0	0.0	0.0	0.0	0.0	118.5	116.5	113.7	110.9	107.3	103.8	100.4	97.3
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 58. New Light-Duty Vehicle Prices
(Thousand 2001 Dollars)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Gasoline														
Mini-compact Cars	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	0.1%
Subcompact Cars	19.4	19.4	19.4	19.5	19.5	19.5	19.6	19.6	19.6	19.6	19.7	19.7	19.7	0.3%
Compact Cars	19.7	19.7	19.8	19.8	19.9	19.9	19.9	19.9	20.0	20.0	20.0	20.0	20.0	0.3%
Midsize Cars	26.1	26.1	26.2	26.2	26.3	26.3	26.3	26.4	26.4	26.4	26.4	26.5	26.5	0.2%
Large Cars	30.4	30.5	30.5	30.6	30.6	30.6	30.7	30.7	30.7	30.8	30.8	30.8	30.8	0.2%
Two Seater Cars	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.6	43.6	43.6	43.6	43.6	43.6	0.1%
Small Pickup	18.6	18.7	18.8	18.8	18.8	18.8	18.9	18.9	18.9	18.9	19.0	19.0	19.0	0.3%
Large Pickup	25.5	25.6	25.6	25.7	25.7	25.7	25.8	25.8	25.8	25.8	25.8	25.9	25.9	0.3%
Small Van	26.8	26.9	26.9	27.0	27.0	27.0	27.1	27.1	27.1	27.2	27.2	27.2	27.3	0.2%
Large Van	23.2	23.3	23.3	23.4	23.4	23.5	23.5	23.5	23.6	23.6	23.6	23.7	23.7	0.3%
Small Utility	27.8	27.9	27.9	27.9	28.0	28.0	28.1	28.1	28.1	28.2	28.2	28.2	28.2	0.2%
Large Utility	35.3	35.4	35.4	35.5	35.5	35.6	35.6	35.7	35.7	35.7	35.8	35.8	35.8	0.2%
Turbo Direct Injection Diesel														
Mini-compact Cars	55.7	55.7	55.8	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	56.0	0.1%
Subcompact Cars	20.8	20.8	20.8	20.9	20.9	20.9	20.9	21.0	21.0	21.0	21.0	20.9	20.9	0.2%
Compact Cars	21.0	21.0	21.1	21.1	21.1	21.2	21.2	21.2	21.2	21.3	21.3	21.3	21.3	0.2%
Midsize Cars	28.1	28.1	28.2	28.2	28.2	28.3	28.3	28.3	28.3	28.4	28.4	28.4	28.4	0.2%
Large Cars	32.6	32.6	32.6	32.7	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9	0.1%
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Pickup	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.1	21.2	21.2	21.2	21.2	21.1	0.2%
Large Pickup	26.9	27.0	27.0	27.0	27.0	27.1	27.1	27.1	27.1	27.2	27.2	27.2	27.2	0.2%
Small Van	28.9	28.9	28.9	29.0	29.0	29.0	29.0	29.0	29.1	29.1	29.1	29.1	29.1	0.2%
Large Van	25.0	25.1	25.1	25.1	25.2	25.2	25.2	25.2	25.3	25.3	25.3	25.3	25.4	0.2%
Small Utility	29.7	29.8	29.8	29.8	29.9	29.9	29.9	29.9	30.0	30.0	30.0	30.0	30.1	0.2%
Large Utility	36.7	36.8	36.8	36.8	36.9	36.9	36.9	37.0	37.0	37.0	37.1	37.1	37.1	0.2%
Methanol														
Mini-compact Cars	56.3	56.3	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	0.1%
Subcompact Cars	21.3	21.3	21.3	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5	0.2%
Compact Cars	21.6	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.9	21.9	21.9	21.9	21.9	0.3%
Midsize Cars	28.2	28.2	28.3	28.3	28.3	28.4	28.4	28.4	28.4	28.5	28.5	28.5	28.5	0.2%
Large Cars	32.5	32.6	32.6	32.6	32.7	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.8	0.1%
Two Seater Cars	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5	0.1%
Small Pickup	20.9	20.9	20.9	21.0	21.0	21.0	21.0	21.0	21.1	21.1	21.1	21.1	21.1	0.3%
Large Pickup	27.5	27.5	27.6	27.6	27.6	27.7	27.7	27.7	27.8	27.8	27.8	27.8	27.8	0.2%
Small Van	29.1	29.1	29.1	29.2	29.2	29.2	29.3	29.3	29.3	29.3	29.4	29.4	29.4	0.2%
Large Van	25.2	25.3	25.3	25.3	25.4	25.4	25.4	25.5	25.5	25.5	25.6	25.6	25.6	0.2%
Small Utility	30.0	30.0	30.0	30.1	30.1	30.1	30.2	30.2	30.2	30.3	30.3	30.3	30.3	0.2%
Large Utility	37.4	37.4	37.4	37.5	37.5	37.6	37.6	37.6	37.6	37.7	37.7	37.7	37.7	0.2%
Methanol Flex														
Mini-compact Cars	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	0.1%
Subcompact Cars	21.4	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.7	21.7	21.7	21.7	21.7	0.2%
Compact Cars	21.8	21.8	21.8	21.9	21.9	21.9	22.0	22.0	22.0	22.0	22.1	22.1	22.1	0.3%
Midsize Cars	28.4	28.4	28.5	28.5	28.6	28.6	28.6	28.6	28.7	28.7	28.7	28.7	28.7	0.2%
Large Cars	32.7	32.8	32.8	32.8	32.9	32.9	32.9	33.0	33.0	33.0	33.0	33.1	33.1	0.2%
Two Seater Cars	45.5	45.5	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.7	45.7	0.1%

Table 58. New Light-Duty Vehicle Prices
(Thousand 2001 Dollars)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Small Pickup	21.2	21.2	21.2	21.3	21.3	21.3	21.3	21.4	21.4	21.4	21.4	21.4	21.4	0.3%
Large Pickup	27.8	27.8	27.8	27.9	27.9	27.9	28.0	28.0	28.0	28.0	28.1	28.1	28.1	0.2%
Small Van	29.3	29.4	29.4	29.4	29.5	29.5	29.6	29.6	29.6	29.7	29.7	29.7	29.7	0.2%
Large Van	25.5	25.5	25.6	25.6	25.7	25.7	25.7	25.8	25.8	25.8	25.8	25.9	25.9	0.3%
Small Utility	30.3	30.3	30.4	30.4	30.4	30.5	30.5	30.5	30.6	30.6	30.6	30.7	30.7	0.2%
Large Utility	37.6	37.7	37.7	37.7	37.8	37.8	37.9	37.9	37.9	37.9	38.0	38.0	38.0	0.2%
Ethanol														
Mini-compact Cars	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	0.1%
Subcompact Cars	21.3	21.3	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.6	21.6	0.2%
Compact Cars	21.6	21.7	21.7	21.7	21.8	21.8	21.8	21.9	21.9	21.9	21.9	21.9	21.9	0.3%
Midsize Cars	28.2	28.2	28.3	28.3	28.4	28.4	28.4	28.4	28.5	28.5	28.5	28.5	28.5	0.2%
Large Cars	32.5	32.6	32.6	32.7	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.9	32.9	0.2%
Two Seater Cars	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	0.1%
Small Pickup	20.9	20.9	21.0	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.2	0.3%
Large Pickup	27.6	27.6	27.6	27.7	27.7	27.7	27.8	27.8	27.8	27.8	27.8	27.9	27.9	0.2%
Small Van	29.1	29.1	29.2	29.2	29.2	29.3	29.3	29.3	29.4	29.4	29.4	29.4	29.5	0.2%
Large Van	25.3	25.3	25.4	25.4	25.4	25.5	25.5	25.5	25.6	25.6	25.6	25.6	25.7	0.2%
Small Utility	30.0	30.0	30.1	30.1	30.2	30.2	30.2	30.3	30.3	30.3	30.4	30.4	30.4	0.2%
Large Utility	37.4	37.4	37.5	37.5	37.6	37.6	37.6	37.7	37.7	37.7	37.8	37.8	37.8	0.2%
Ethanol Flex														
Mini-compact Cars	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	0.1%
Subcompact Cars	20.7	20.7	20.7	20.7	20.8	20.8	20.8	20.9	20.9	20.9	20.9	20.9	20.9	0.2%
Compact Cars	20.4	20.4	20.4	20.4	20.5	20.5	20.5	20.6	20.6	20.6	20.6	20.6	20.7	0.3%
Midsize Cars	26.4	26.5	26.5	26.6	26.6	26.6	26.7	26.7	26.7	26.7	26.8	26.8	26.8	0.2%
Large Cars	31.3	31.3	31.4	31.4	31.4	31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.7	0.2%
Two Seater Cars	45.5	45.5	45.5	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.7	45.7	45.7	0.1%
Small Pickup	20.4	20.4	20.4	20.5	20.5	20.5	20.6	20.6	20.6	20.6	20.6	20.6	20.7	0.3%
Large Pickup	26.5	26.5	26.5	26.5	26.6	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.8	0.2%
Small Van	27.8	27.8	27.8	27.9	27.9	27.9	28.0	28.0	28.1	28.1	28.1	28.1	28.1	0.2%
Large Van	25.5	25.5	25.6	25.6	25.7	25.7	25.7	25.8	25.8	25.8	25.9	25.9	25.9	0.3%
Small Utility	28.1	28.2	28.2	28.3	28.3	28.3	28.4	28.4	28.5	28.5	28.5	28.5	28.5	0.2%
Large Utility	35.9	35.9	35.9	36.0	36.0	36.1	36.1	36.1	36.2	36.2	36.2	36.2	36.3	0.2%
Compressed Natural Gas (CNG)														
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Compact Cars	25.9	25.9	26.0	26.0	26.0	26.1	26.1	26.1	26.2	26.2	26.2	26.2	26.3	0.2%
Midsize Cars	32.6	32.6	32.7	32.7	32.8	32.8	32.8	32.9	32.9	32.9	33.0	33.0	33.0	0.2%
Large Cars	36.9	36.9	37.0	37.0	37.0	37.1	37.1	37.2	37.2	37.2	37.2	37.3	37.3	0.1%
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Pickup	25.5	25.5	25.6	25.6	25.6	25.7	25.7	25.7	25.8	25.8	25.8	25.8	25.8	0.3%
Large Pickup	32.0	32.0	32.1	32.1	32.2	32.2	32.3	32.3	32.4	32.4	32.4	32.4	32.5	0.2%
Small Van	33.6	33.7	33.7	33.8	33.8	33.9	33.9	33.9	34.0	34.0	34.1	34.1	34.1	0.2%
Large Van	29.7	29.7	29.8	29.8	29.9	29.9	30.0	30.0	30.1	30.1	30.2	30.2	30.2	0.2%
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
CNG Bi-Fuel														
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Compact Cars	24.8	24.8	24.9	24.9	25.0	25.0	25.1	25.1	25.1	25.1	25.2	25.2	25.2	0.3%

Table 58. New Light-Duty Vehicle Prices
(Thousand 2001 Dollars)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Midsize Cars	31.7	31.7	31.8	31.8	31.9	31.9	32.0	32.0	32.0	32.1	32.1	32.1	32.1	0.2%
Large Cars	36.0	36.0	36.0	36.1	36.1	36.2	36.2	36.2	36.3	36.3	36.3	36.4	36.4	0.2%
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Pickup	24.8	24.8	24.9	24.9	24.9	25.0	25.0	25.1	25.1	25.1	25.2	25.2	25.2	0.3%
Large Pickup	31.1	31.2	31.2	31.3	31.3	31.4	31.4	31.5	31.5	31.6	31.6	31.6	31.6	0.2%
Small Van	32.9	33.0	33.0	33.1	33.1	33.2	33.2	33.3	33.3	33.4	33.4	33.4	33.5	0.2%
Large Van	28.8	28.8	28.9	29.0	29.0	29.1	29.1	29.2	29.2	29.3	29.3	29.4	29.4	0.3%
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Liquefied Petroleum Gas (LPG)														
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Subcompact Cars	24.0	24.0	24.1	24.1	24.1	24.2	24.2	24.2	24.2	24.3	24.3	24.3	24.3	0.2%
Compact Cars	24.3	24.4	24.4	24.4	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.7	0.2%
Midsize Cars	31.8	31.9	31.9	32.0	32.0	32.0	32.1	32.1	32.1	32.2	32.2	32.2	32.2	0.2%
Large Cars	36.2	36.2	36.3	36.3	36.3	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.5	0.1%
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Pickup	25.5	25.6	25.6	25.7	25.7	25.7	25.7	25.7	25.8	25.8	25.8	25.8	25.8	0.2%
Large Pickup	31.2	31.3	31.3	31.4	31.4	31.5	31.5	31.5	31.5	31.6	31.6	31.6	31.6	0.2%
Small Van	33.7	33.7	33.8	33.8	33.8	33.9	33.9	34.0	34.0	34.0	34.1	34.1	34.1	0.2%
Large Van	29.0	29.0	29.1	29.1	29.2	29.2	29.2	29.3	29.3	29.3	29.4	29.4	29.4	0.2%
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Large Utility	41.1	41.1	41.2	41.2	41.3	41.3	41.3	41.4	41.4	41.5	41.5	41.5	41.5	0.2%
LPG Bi-Fuel														
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Compact Cars	24.2	24.3	24.3	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.6	24.6	24.6	0.3%
Midsize Cars	30.8	30.9	30.9	31.0	31.0	31.0	31.1	31.1	31.1	31.2	31.2	31.2	31.2	0.2%
Large Cars	35.1	35.2	35.2	35.3	35.3	35.4	35.4	35.4	35.5	35.5	35.5	35.5	35.5	0.2%
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Pickup	23.6	23.6	23.7	23.7	23.8	23.8	23.8	23.8	23.9	23.9	23.9	23.9	24.0	0.3%
Large Pickup	30.2	30.3	30.4	30.4	30.5	30.5	30.5	30.6	30.6	30.6	30.7	30.7	30.7	0.2%
Small Van	31.7	31.8	31.8	31.9	31.9	32.0	32.0	32.1	32.1	32.1	32.2	32.2	32.2	0.2%
Large Van	27.9	28.0	28.1	28.1	28.2	28.2	28.3	28.3	28.3	28.4	28.4	28.5	28.5	0.3%
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Large Utility	40.1	40.1	40.2	40.2	40.3	40.3	40.4	40.4	40.5	40.5	40.5	40.6	40.6	0.2%
Electric														
Mini-compact Cars	77.6	77.3	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	-0.1%
Subcompact Cars	40.6	40.3	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	-0.1%
Compact Cars	41.0	40.7	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	-0.1%
Midsize Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Large Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Two Seater Cars	62.8	60.8	59.9	60.0	58.2	58.3	58.8	57.6	57.8	58.3	58.5	58.9	59.3	-0.5%
Small Pickup	42.3	42.0	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	-0.1%
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Van	49.7	48.9	49.3	50.6	50.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	-0.1%
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Diesel-Electric Hybrid														

Table 58. New Light-Duty Vehicle Prices
(Thousand 2001 Dollars)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Mini-compact Cars	60.4	60.4	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5	-0.2%
Subcompact Cars	24.6	24.4	24.4	24.4	24.3	24.3	24.3	24.2	24.2	24.3	24.3	24.2	24.2	-0.5%
Compact Cars	23.8	23.6	23.5	23.5	23.4	23.4	23.4	23.3	23.4	23.4	23.4	23.4	23.3	-0.7%
Midsize Cars	29.3	29.1	29.1	29.1	29.0	29.0	29.0	28.8	28.9	28.9	28.9	28.9	28.9	-0.8%
Large Cars	35.6	35.4	35.4	35.4	35.2	35.2	35.2	35.1	35.2	35.2	35.2	35.2	35.2	-0.6%
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Van	33.2	32.9	32.8	32.8	32.6	32.6	32.6	32.5	32.6	32.6	32.6	32.5	32.5	-0.6%
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Utility	32.7	32.4	32.3	32.4	32.2	32.2	32.1	32.0	32.1	32.1	32.1	32.1	32.1	-0.8%
Large Utility	42.6	42.4	42.3	42.3	42.1	42.1	42.1	42.0	42.1	42.1	42.1	42.1	42.1	-0.5%
Gasoline-Electric Hybrid														
Mini-compact Cars	59.3	59.3	59.2	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	-0.1%
Subcompact Cars	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.1	-0.8%
Compact Cars	21.3	21.3	21.3	21.3	21.3	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	-0.6%
Midsize Cars	28.0	28.0	27.9	28.0	28.0	28.0	28.0	28.1	28.1	28.1	28.1	28.1	28.1	-0.4%
Large Cars	32.7	32.6	32.6	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.8	32.8	-0.6%
Two Seater Cars	47.5	47.4	47.3	47.3	47.3	47.3	47.3	47.2	47.3	47.3	47.3	47.3	47.3	-0.2%
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Van	29.3	29.2	29.2	29.2	29.3	29.3	29.3	29.3	29.4	29.4	29.4	29.4	29.4	-0.7%
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Utility	30.1	30.1	30.0	30.0	30.1	30.1	30.1	30.1	30.1	30.2	30.2	30.2	30.2	-0.6%
Large Utility	38.5	38.4	38.4	38.4	38.4	38.4	38.5	38.5	38.5	38.5	38.6	38.6	38.6	-0.7%
Fuel Cell Methanol														
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Compact Cars	62.7	60.8	59.1	57.4	55.8	54.2	52.8	51.4	50.0	48.8	47.5	46.4	45.2	N/A
Midsize Cars	75.9	73.7	71.7	69.7	67.8	66.0	64.4	62.8	61.2	59.7	58.1	56.9	55.5	N/A
Large Cars	85.9	83.4	81.2	79.0	76.9	74.9	73.0	71.3	69.5	67.8	66.1	64.7	63.1	N/A
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Van	87.9	85.2	82.7	80.3	78.0	75.8	73.8	71.9	69.8	68.0	66.1	64.5	62.7	N/A
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Utility	85.8	83.2	80.9	78.6	76.4	74.4	72.4	70.6	68.7	66.9	65.1	63.6	62.0	N/A
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Hydrogen														
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Compact Cars	56.9	55.6	54.3	53.2	52.1	51.0	50.0	49.0	48.1	47.2	46.4	45.5	44.7	N/A
Midsize Cars	68.0	66.5	65.1	63.7	62.4	61.2	60.0	58.9	57.8	56.7	55.7	54.8	53.8	N/A
Large Cars	76.3	74.7	73.0	71.5	70.1	68.7	67.4	66.2	65.0	63.8	62.7	61.6	60.5	N/A
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Van	76.5	74.7	72.9	71.3	69.7	68.2	66.8	65.4	64.0	62.7	61.5	60.3	59.1	N/A
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Utility	75.4	73.7	71.9	70.4	68.9	67.5	66.1	64.8	63.5	62.3	61.1	60.0	58.8	N/A

Table 58. New Light-Duty Vehicle Prices
(Thousand 2001 Dollars)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Gasoline														
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Compact Cars	69.0	66.8	64.7	62.8	61.0	59.2	57.5	55.9	54.3	52.9	51.4	50.1	48.7	N/A
Midsize Cars	83.2	80.7	78.3	76.1	73.9	71.9	69.9	68.0	66.2	64.5	62.7	61.2	59.6	N/A
Large Cars	94.0	91.2	88.5	86.1	83.6	81.4	79.2	77.1	75.0	73.1	71.2	69.5	67.7	N/A
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Van	96.9	93.8	90.9	88.2	85.5	83.1	80.7	78.4	76.1	73.9	71.8	69.9	67.9	N/A
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Small Utility	94.4	91.4	88.6	86.1	83.6	81.3	79.0	76.8	74.6	72.6	70.5	68.8	66.9	N/A
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A

Table 58. New Light-Duty Vehicle Prices
(Thousand 2001 Dollars)

Sources: 2001 derived using: Energy and Environmental Analysis Inc., Updates to the Fuel Economy Model, prepared for Energy Information Administration (EIA) (Washington, DC, June 1998); and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 59. New Light-Duty Vehicle Range (Miles)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Gasoline													
Mini-compact Cars	404	403	407	409	411	409	413	413	410	414	419	421	424
Subcompact Cars	432	431	430	430	431	428	426	424	420	421	423	424	427
Compact Cars	435	434	433	434	435	434	433	431	427	429	431	432	435
Midsize Cars	454	453	452	453	454	453	452	449	446	448	451	452	454
Large Cars	458	457	456	456	456	452	449	446	442	443	446	448	450
Two Seater Cars	398	399	400	400	400	398	396	394	391	393	397	398	401
Small Pickup	409	408	408	409	409	411	410	410	407	410	413	416	419
Large Pickup	483	482	481	482	482	482	481	480	476	479	484	487	491
Small Van	521	519	517	518	518	518	513	510	506	508	512	514	517
Large Van	588	587	586	586	586	588	587	586	582	587	593	598	605
Small Utility	403	402	401	402	403	404	404	403	400	404	408	411	414
Large Utility	476	476	475	475	475	477	474	474	470	474	480	484	489
Turbo Direct Injection Diesel													
Mini-compact Cars	546	545	550	552	555	553	558	558	554	558	566	569	573
Subcompact Cars	583	582	580	581	582	578	575	572	567	569	572	573	576
Compact Cars	588	586	585	586	588	586	584	582	577	579	582	584	587
Midsize Cars	613	611	610	612	613	611	610	607	602	604	608	610	613
Large Cars	619	617	615	615	615	611	607	602	597	599	602	604	608
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Pickup	553	551	551	552	553	555	554	553	549	553	558	561	566
Large Pickup	652	651	650	650	650	651	649	648	643	647	653	657	664
Small Van	704	701	698	699	699	699	693	689	683	686	691	693	698
Large Van	794	793	791	791	791	794	792	792	786	792	801	808	817
Small Utility	544	542	542	543	544	546	545	545	541	545	551	554	560
Large Utility	643	642	641	642	642	643	640	639	635	639	648	653	661
Methanol													
Mini-compact Cars	255	254	257	258	259	258	260	260	258	261	264	266	267
Subcompact Cars	272	272	271	271	271	270	268	267	264	265	267	267	269
Compact Cars	274	274	273	273	274	273	273	271	269	270	272	272	274
Midsize Cars	286	285	285	285	286	285	284	283	281	282	284	285	286
Large Cars	289	288	287	287	287	285	283	281	278	279	281	282	284
Two Seater Cars	251	251	252	252	252	251	250	249	246	248	250	251	253
Small Pickup	258	257	257	257	258	259	258	258	256	258	260	262	264
Large Pickup	304	304	303	303	303	304	303	302	300	302	305	307	310
Small Van	328	327	326	326	326	326	323	322	319	320	322	324	326
Large Van	371	370	369	369	369	370	370	369	367	370	374	377	381
Small Utility	254	253	253	253	254	255	254	254	252	254	257	259	261
Large Utility	300	300	299	299	300	300	299	298	296	298	302	305	308
Methanol Flex													
Mini-compact Cars	230	230	232	233	234	233	236	236	234	236	239	240	242
Subcompact Cars	246	246	245	245	246	244	243	241	239	240	241	242	243
Compact Cars	248	247	247	247	248	247	247	246	243	244	246	246	248
Midsize Cars	259	258	258	258	259	258	257	256	254	255	257	258	259
Large Cars	261	261	260	260	260	258	256	254	252	253	254	255	257
Two Seater Cars	227	227	228	228	228	227	226	225	223	224	226	227	229

Table 59. New Light-Duty Vehicle Range (Miles)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Small Pickup	233	233	232	233	233	234	234	234	232	233	236	237	239
Large Pickup	275	275	274	274	275	275	274	273	271	273	276	278	280
Small Van	297	296	295	295	295	295	292	291	288	289	292	293	295
Large Van	335	335	334	334	334	335	334	334	332	334	338	341	345
Small Utility	230	229	229	229	230	230	230	230	228	230	233	234	236
Large Utility	271	271	271	271	271	272	270	270	268	270	274	276	279
Ethanol													
Mini-compact Cars	307	307	310	311	312	311	314	314	312	314	318	320	322
Subcompact Cars	328	328	327	327	327	326	324	322	319	320	322	323	324
Compact Cars	331	330	329	330	331	330	329	327	325	326	328	329	330
Midsize Cars	345	344	343	344	345	344	343	342	339	340	342	344	345
Large Cars	348	348	346	346	346	344	342	339	336	337	339		342
Two Seater Cars	303	303	304	304	304	303	301	300	297	299	301	340	305
Small Pickup	311	310	310	310	311	312	312	311	309	311	314	303	318
Large Pickup	367	367	366	366	366	367	366	365	362	364	368	370	374
Small Van	396	395	393	393	394	394	390	388	384	386	389	390	393
Large Van	447	446	445	445	446	447	446	446	442	446	451	455	460
Small Utility	306	305	305	306	306	307	307	307	304	307	310	312	315
Large Utility	362	362	361	361	361	362	361	360	358	360	365	368	372
Ethanol Flex													
Mini-compact Cars	295	294	297	299	300	299	302	302	299	302	306	308	310
Subcompact Cars	315	315	314	314	315	313	311	309	306	307	309	310	311
Compact Cars	318	317	316	317	318	317	316	314	312	313	315	316	317
Midsize Cars	331	331	330	331	332	330	330	328	325	327	329	330	332
Large Cars	335	334	333	333	333	330	328	326	323	324	326	327	329
Two Seater Cars	291	291	292	292	292	291	289	288	286	287	289	291	293
Small Pickup	299	298	298	298	299	300	300	299	297	299	302	303	306
Large Pickup	353	352	351	352	352	352	351	350	348	350	353	355	359
Small Van	381	379	378	378	378	378	375	373	369	371	374	375	377
Large Van	429	429	428	428	428	429	428	428	425	428	433	437	442
Small Utility	294	293	293	294	294	295	295	294	292	295	298	300	303
Large Utility	348	347	347	347	347	348	346	346	343	346	350	353	357
Compressed Natural Gas (CNG)													
Mini-compact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Subcompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Compact Cars	261	261	260	260	261	260	260	258	256	257	259	259	261
Midsize Cars	272	272	271	272	273	272	271	270	267	269	270	271	272
Large Cars	275	274	273	273	273	271	270	268	265	266	268	269	270
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Pickup	246	245	245	245	246	247	246	246	244	246	248	249	251
Large Pickup	290	289	289	289	289	289	289	288	286	287	290	292	295
Small Van	313	312	310	311	311	311	308	306	303	305	307	308	310
Large Van	353	352	352	352	352	353	352	352	349	352	356	359	363
Small Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
CNG Bi-Fuel													
Mini-compact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Subcompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Compact Cars	218	217	217	217	218	217	216	215	214	214	215	216	217

Table 59. New Light-Duty Vehicle Range (Miles)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Midsize Cars	227	226	226	227	227	226	226	225	223	224	225	226	227
Large Cars	229	229	228	228	228	226	225	223	221	222	223	224	225
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Pickup	205	204	204	204	205	206	205	205	203	205	207	208	210
Large Pickup	242	241	241	241	241	241	241	240	238	240	242	243	246
Small Van	261	260	259	259	259	259	257	255	253	254	256	257	258
Large Van	294	294	293	293	293	294	293	293	291	293	297	299	303
Small Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Liquefied Petroleum Gas (LPG)													
Mini-compact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Subcompact Cars	367	366	365	366	366	364	362	360	357	358	360	361	363
Compact Cars	370	369	368	369	370	369	368	366	363	364	366	368	370
Midsize Cars	386	385	384	385	386	385	384	382	379	380	383	384	386
Large Cars	390	389	387	387	387	384	382	379	376	377	379	381	383
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Pickup	348	347	347	347	348	349	349	348	346	348	351	353	356
Large Pickup	411	410	409	409	409	410	409	408	405	407	411	414	418
Small Van	443	441	440	440	440	440	436	434	430	432	435	437	439
Large Van	500	499	498	498	498	500	499	498	495	499	504	508	515
Small Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Utility	405	404	404	404	404	405	403	403	400	403	408	411	416
LPG Bi-Fuel													
Mini-compact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Subcompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Compact Cars	348	347	346	347	348	347	346	345	342	343	345	346	348
Midsize Cars	363	362	362	363	364	362	361	360	357	358	360	362	363
Large Cars	367	366	365	365	364	362	360	357	354	355	357	358	360
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Pickup	328	327	326	327	328	329	328	328	325	328	331	332	335
Large Pickup	386	386	385	385	385	386	385	384	381	383	387	390	393
Small Van	417	415	414	414	414	414	410	408	405	406	409	411	414
Large Van	471	470	469	469	469	470	469	469	466	469	475	479	484
Small Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Utility	381	381	380	380	380	381	380	379	376	379	384	387	392
Electric													
Mini-compact Cars	80	80	80	80	80	80	80	80	80	80	80	80	80
Subcompact Cars	80	80	80	80	80	80	80	80	80	80	80	80	80
Compact Cars	80	80	80	80	80	80	80	80	80	80	80	80	80
Midsize Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Two Seater Cars	80	80	80	80	80	80	80	80	80	80	80	80	80
Small Pickup	80	80	80	80	80	80	80	80	80	80	80	80	80
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Van	80	80	80	80	80	80	80	80	80	80	80	80	80
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Diesel-Electric Hybrid													

Table 59. New Light-Duty Vehicle Range (Miles)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Mini-compact Cars	526	524	530	532	534	532	537	537	533	538	545	548	552
Subcompact Cars	561	560	559	559	560	557	554	551	546	548	550	552	555
Compact Cars	566	564	563	564	566	564	562	560	555	557	560	562	565
Midsize Cars	590	589	588	589	591	588	587	584	579	582	586	588	590
Large Cars	596	594	592	592	592	588	584	580	574	576	580	582	586
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Van	678	675	672	673	673	673	667	664	657	660	665	668	672
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Utility	524	522	522	523	524	525	525	524	521	525	531	534	539
Large Utility	619	618	618	618	618	620	617	616	612	616	624	629	636
Gasoline-Electric Hybrid													
Mini-compact Cars	505	504	509	512	513	512	517	517	513	517	524	527	530
Subcompact Cars	540	539	537	538	539	536	533	529	525	526	529	531	533
Compact Cars	544	543	541	543	544	542	541	538	534	536	539	541	543
Midsize Cars	567	566	565	566	568	566	564	562	557	559	563	565	568
Large Cars	573	572	570	570	569	565	562	558	552	554	557	560	563
Two Seater Cars	498	498	499	500	500	498	496	493	489	491	496	498	501
Small Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Van	652	649	646	647	647	647	641	638	632	635	640	642	646
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Utility	503	502	502	503	504	505	504	504	501	504	511	513	518
Large Utility	595	595	594	594	594	596	593	592	588	592	600	605	612
Fuel Cell Methanol													
Mini-compact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Subcompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Compact Cars	435	434	433	434	435	434	433	431	427	429	431	432	435
Midsize Cars	454	453	452	453	454	453	452	449	446	448	451	452	454
Large Cars	458	457	456	456	456	452	449	446	442	443	446	448	450
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Van	521	519	517	518	518	518	513	510	506	508	512	514	517
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Utility	403	402	401	402	403	404	404	403	400	404	408	411	414
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Cell Hydrogen													
Mini-compact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Subcompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Compact Cars	435	434	433	434	435	434	433	431	427	429	431	432	435
Midsize Cars	454	453	452	453	454	453	452	449	446	448	451	452	454
Large Cars	458	457	456	456	456	452	449	446	442	443	446	448	450
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Van	521	519	517	518	518	518	513	510	506	508	512	514	517
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Utility	403	402	401	402	403	404	404	403	400	404	408	411	414

Table 59. New Light-Duty Vehicle Range (Miles)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Fuel Cell Gasoline													
Mini-compact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Subcompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Compact Cars	435	434	433	434	435	434	433	431	427	429	431	432	435
Midsize Cars	454	453	452	453	454	453	452	449	446	448	451	452	454
Large Cars	458	457	456	456	456	452	449	446	442	443	446	448	450
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Van	521	519	517	518	518	518	513	510	506	508	512	514	517
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Utility	403	402	401	402	403	404	404	403	400	404	408	411	414
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 59. New Light-Duty Vehicle Range (Miles)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Gasoline														
Mini-compact Cars	427	428	430	431	432	432	433	434	435	436	438	438	439	0.4%
Subcompact Cars	429	431	433	434	435	436	437	438	440	441	442	443	444	0.1%
Compact Cars	438	440	441	442	443	444	444	445	447	448	448	449	449	0.1%
Midsize Cars	456	458	459	461	462	463	464	464	466	467	468	468	469	0.1%
Large Cars	454	456	458	460	462	463	464	465	467	469	470	471	472	0.1%
Two Seater Cars	404	406	408	410	411	412	413	414	415	416	418	419	419	0.2%
Small Pickup	423	426	430	433	437	439	441	444	447	449	451	453	454	0.4%
Large Pickup	497	500	504	507	510	513	515	518	521	524	526	528	530	0.4%
Small Van	520	523	525	528	530	532	534	536	540	542	545	547	548	0.2%
Large Van	614	619	623	628	633	636	639	643	648	651	655	658	661	0.5%
Small Utility	419	422	424	427	430	433	435	437	440	442	445	446	448	0.5%
Large Utility	495	498	502	505	509	511	513	516	520	522	525	527	529	0.4%
Turbo Direct Injection Diesel														
Mini-compact Cars	576	578	580	581	583	584	585	586	588	589	591	592	593	0.4%
Subcompact Cars	579	582	584	586	588	589	590	592	594	596	597	598	599	0.1%
Compact Cars	591	594	596	597	598	599	600	601	603	604	605	606	607	0.1%
Midsize Cars	616	618	620	622	624	625	626	627	629	630	631	632	633	0.1%
Large Cars	612	616	619	621	623	625	627	628	631	633	635	636	637	0.1%
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Pickup	571	576	581	585	589	592	596	599	604	607	609	611	613	0.4%
Large Pickup	670	675	680	685	689	693	696	699	704	708	710	713	715	0.4%
Small Van	702	706	709	712	715	718	721	724	729	732	736	738	740	0.2%
Large Van	829	836	842	848	854	859	863	868	875	879	884	889	893	0.5%
Small Utility	565	570	573	577	581	584	587	590	594	597	600	603	605	0.5%
Large Utility	668	673	677	682	687	690	693	697	702	705	709	711	714	0.4%
Methanol														
Mini-compact Cars	269	270	271	271	272	272	273	273	274	275	276	276	277	0.4%
Subcompact Cars	270	272	273	273	274	275	275	276	277	278	279	279	279	0.1%
Compact Cars	276	277	278	279	279	280	280	280	281	282	283	283	283	0.1%
Midsize Cars	288	289	289	290	291	292	292	293	293	294	295	295	295	0.1%
Large Cars	286	287	289	290	291	292	292	293	294	295	296	297	297	0.1%
Two Seater Cars	255	256	257	258	259	260	260	261	262	262	263	264	264	0.2%
Small Pickup	267	269	271	273	275	276	278	280	282	283	284	285	286	0.4%
Large Pickup	313	315	317	320	322	323	325	326	329	330	332	333	334	0.4%
Small Van	328	329	331	332	334	335	336	338	340	342	343	344	345	0.2%
Large Van	387	390	393	396	398	401	403	405	408	410	413	415	417	0.5%
Small Utility	264	266	267	269	271	273	274	275	277	279	280	281	282	0.5%
Large Utility	312	314	316	318	320	322	323	325	328	329	331	332	333	0.4%
Methanol Flex														
Mini-compact Cars	243	244	245	245	246	247	247	247	248	249	249	250	250	0.4%
Subcompact Cars	245	246	247	247	248	249	249	250	251	251	252	253	253	0.1%
Compact Cars	250	251	252	252	253	253	253	254	255	255	256	256	256	0.1%
Midsize Cars	260	261	262	263	263	264	264	265	265	266	267	267	267	0.1%
Large Cars	259	260	261	262	263	264	265	265	266	267	268	269	269	0.1%
Two Seater Cars	230	232	232	233	234	235	235	236	237	237	238	239	239	0.2%

Table 59. New Light-Duty Vehicle Range (Miles)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Small Pickup	241	243	245	247	249	250	251	253	255	256	257	258	259	0.4%
Large Pickup	283	285	287	289	291	293	294	295	297	299	300	301	302	0.4%
Small Van	296	298	299	301	302	303	304	306	308	309	311	312	312	0.2%
Large Van	350	353	355	358	361	363	364	366	369	371	373	375	377	0.5%
Small Utility	239	240	242	244	245	247	248	249	251	252	253	254	255	0.5%
Large Utility	282	284	286	288	290	291	292	294	296	298	299	300	301	0.4%
Ethanol														
Mini-compact Cars	324	326	326	327	328	329	329	330	331	332	333	333	334	0.4%
Subcompact Cars	326	328	329	330	331	332	332	333	334	335	336	337	337	0.1%
Compact Cars	333	334	335	336	337	337	338	338	339	340	341	341	342	0.1%
Midsize Cars	347	348	349	350	351	352	352	353	354	355	355	356	356	0.1%
Large Cars	345	347	348	350	351	352	353	354	355	356	357	358	358	0.1%
Two Seater Cars	307	309	310	311	312	313	314	315	316	317	317	318	319	0.2%
Small Pickup	321	324	327	329	332	334	335	337	340	341	343	344	345	0.4%
Large Pickup	377	380	383	386	388	390	392	394	396	398	400	401	402	0.4%
Small Van	395	397	399	401	403	404	406	408	410	412	414	415	417	0.2%
Large Van	467	470	474	477	481	484	486	488	492	495	498	500	503	0.5%
Small Utility	318	321	323	325	327	329	330	332	335	336	338	339	340	0.5%
Large Utility	376	379	381	384	387	388	390	392	395	397	399	401	402	0.4%
Ethanol Flex														
Mini-compact Cars	312	313	314	314	315	316	316	317	318	319	319	320	321	0.4%
Subcompact Cars	313	315	316	317	318	319	319	320	321	322	323	323	324	0.1%
Compact Cars	320	321	322	323	324	324	324	325	326	327	327	328	328	0.1%
Midsize Cars	333	334	335	336	337	338	338	339	340	341	341	342	342	0.1%
Large Cars	331	333	335	336	337	338	339	340	341	342	343	344	344	0.1%
Two Seater Cars	295	297	298	299	300	301	301	302	303	304	305	306	306	0.2%
Small Pickup	309	311	314	316	319	320	322	324	326	328	329	330	331	0.4%
Large Pickup	363	365	368	370	373	375	376	378	381	383	384	385	387	0.4%
Small Van	380	382	383	385	387	388	390	392	394	396	398	399	400	0.2%
Large Van	448	452	455	459	462	465	467	469	473	475	478	481	483	0.5%
Small Utility	306	308	310	312	314	316	317	319	321	323	325	326	327	0.5%
Large Utility	361	364	366	369	371	373	375	377	380	381	383	385	386	0.4%
Compressed Natural Gas (CNG)														
Mini-compact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Subcompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Compact Cars	263	264	265	265	266	266	267	267	268	269	269	269	270	0.1%
Midsize Cars	274	275	276	276	277	278	278	279	279	280	281	281	281	0.1%
Large Cars	272	274	275	276	277	278	279	279	280	281	282	283	283	0.1%
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Pickup	254	256	258	260	262	263	265	266	268	270	271	272	272	0.4%
Large Pickup	298	300	302	304	306	308	309	311	313	315	316	317	318	0.4%
Small Van	312	314	315	317	318	319	320	322	324	325	327	328	329	0.2%
Large Van	368	371	374	377	380	382	383	386	389	391	393	395	397	0.5%
Small Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
CNG Bi-Fuel														
Mini-compact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Subcompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Compact Cars	219	220	221	221	222	222	222	223	223	224	224	225	225	0.1%

Table 59. New Light-Duty Vehicle Range (Miles)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Midsize Cars	228	229	230	230	231	231	232	232	233	233	234	234	234	0.1%
Large Cars	227	228	229	230	231	232	232	233	234	234	235	236	236	0.1%
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Pickup	212	213	215	217	218	219	221	222	224	225	226	226	227	0.4%
Large Pickup	248	250	252	254	255	257	258	259	261	262	263	264	265	0.4%
Small Van	260	261	263	264	265	266	267	268	270	271	272	273	274	0.2%
Large Van	307	310	312	314	316	318	320	321	324	326	328	329	331	0.5%
Small Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Liquefied Petroleum Gas (LPG)														
Mini-compact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Subcompact Cars	365	366	368	369	370	371	372	373	374	375	376	377	377	0.1%
Compact Cars	372	374	375	376	377	377	378	378	380	380	381	382	382	0.1%
Midsize Cars	388	389	390	392	393	393	394	395	396	397	398	398	399	0.1%
Large Cars	386	388	389	391	393	394	395	396	397	398	400	400	401	0.1%
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Pickup	360	362	366	368	371	373	375	377	380	382	384	385	386	0.4%
Large Pickup	422	425	428	431	434	436	438	440	443	446	447	449	450	0.4%
Small Van	442	444	446	449	450	452	454	456	459	461	463	465	466	0.2%
Large Van	522	526	530	534	538	541	543	546	551	554	557	559	562	0.5%
Small Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Utility	421	424	426	430	432	434	436	439	442	444	446	448	450	0.4%
LPG Bi-Fuel														
Mini-compact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Subcompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Compact Cars	350	352	353	354	355	355	356	356	357	358	359	359	360	0.1%
Midsize Cars	365	366	368	369	370	370	371	371	373	373	374	375	375	0.1%
Large Cars	363	365	367	368	369	371	371	372	374	375	376	377	377	0.1%
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Pickup	338	341	344	347	349	351	353	355	358	359	361	362	363	0.4%
Large Pickup	397	400	403	406	408	411	412	414	417	419	421	422	424	0.4%
Small Van	416	418	420	422	424	425	427	429	432	434	436	437	439	0.2%
Large Van	491	495	499	503	506	509	511	514	518	521	524	527	529	0.5%
Small Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Utility	396	399	401	404	407	409	410	413	416	418	420	422	423	0.4%
Electric														
Mini-compact Cars	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Subcompact Cars	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Compact Cars	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Midsize Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Two Seater Cars	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Small Pickup	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Van	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Diesel-Electric Hybrid														

Table 59. New Light-Duty Vehicle Range (Miles)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Mini-compact Cars	555	557	558	560	561	562	563	564	566	567	569	570	571	0.4%
Subcompact Cars	558	560	563	564	566	567	568	570	572	574	575	576	577	0.1%
Compact Cars	569	572	574	575	576	577	578	579	581	582	583	584	584	0.1%
Midsize Cars	593	595	597	599	601	602	603	604	605	607	608	609	610	0.1%
Large Cars	590	593	596	598	600	602	603	605	608	609	611	612	613	0.1%
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Van	676	679	683	686	689	691	694	697	702	705	708	711	713	0.2%
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Utility	544	548	552	556	559	562	565	568	572	575	578	580	582	0.5%
Large Utility	643	648	652	657	661	664	667	671	676	679	682	685	688	0.4%
Gasoline-Electric Hybrid														
Mini-compact Cars	534	536	537	538	540	541	542	543	544	546	547	548	549	0.4%
Subcompact Cars	536	539	541	543	544	545	547	548	550	551	553	554	554	0.1%
Compact Cars	547	550	552	553	554	555	556	557	558	559	561	561	562	0.1%
Midsize Cars	571	572	574	576	578	579	579	580	582	583	585	586	586	0.1%
Large Cars	567	570	573	575	577	579	580	582	584	586	588	589	590	0.1%
Two Seater Cars	505	508	510	512	514	515	516	517	519	521	522	523	524	0.2%
Small Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Van	650	653	656	660	662	665	667	670	675	678	681	683	685	0.2%
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Utility	523	527	531	534	538	541	543	547	550	553	556	558	560	0.5%
Large Utility	619	623	627	632	636	639	641	645	650	653	656	659	661	0.4%
Fuel Cell Methanol														
Mini-compact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Subcompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Compact Cars	438	440	441	442	443	444	444	445	447	448	448	449	449	0.1%
Midsize Cars	456	458	459	461	462	463	464	464	466	467	468	468	469	0.1%
Large Cars	454	456	458	460	462	463	464	465	467	469	470	471	472	0.1%
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Van	520	523	525	528	530	532	534	536	540	542	545	547	548	0.2%
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Utility	419	422	424	427	430	433	435	437	440	442	445	446	448	0.5%
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Fuel Cell Hydrogen														
Mini-compact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Subcompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Compact Cars	438	440	441	442	443	444	444	445	447	448	448	449	449	0.1%
Midsize Cars	456	458	459	461	462	463	464	464	466	467	468	468	469	0.1%
Large Cars	454	456	458	460	462	463	464	465	467	469	470	471	472	0.1%
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Van	520	523	525	528	530	532	534	536	540	542	545	547	548	0.2%
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Utility	419	422	424	427	430	433	435	437	440	442	445	446	448	0.5%

Table 59. New Light-Duty Vehicle Range (Miles)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Fuel Cell Gasoline														
Mini-compact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Subcompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Compact Cars	438	440	441	442	443	444	444	445	447	448	448	449	449	0.1%
Midsize Cars	456	458	459	461	462	463	464	464	466	467	468	468	469	0.1%
Large Cars	454	456	458	460	462	463	464	465	467	469	470	471	472	0.1%
Two Seater Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Van	520	523	525	528	530	532	534	536	540	542	545	547	548	0.2%
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Utility	419	422	424	427	430	433	435	437	440	442	445	446	448	0.5%
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A

Table 59. New Light-Duty Vehicle Range
(Miles)

Sources: 2001 derived using: Energy and Environmental Analysis Inc., Updates to the Fuel Economy Model, prepared for Energy Information Administration (EIA) (Washington, DC, June 1998); and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 60. Electric Power Projections for EMM Region
East Central Area Reliability Coordination Agreement

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electricity Generating Capacity 1/													
(gigawatts)													
Coal Steam	84.37	84.34	84.34	84.33	84.17	83.59	81.64	81.32	81.32	81.32	81.32	81.32	81.32
Other Fossil Steam 2/	3.78	3.80	3.80	3.80	3.80	3.78	2.21	2.21	0.80	0.80	0.80	0.80	0.80
Combined Cycle	2.39	4.17	7.27	9.66	10.11	12.01	12.01	12.51	12.51	16.50	16.50	18.59	18.59
Combustion Turbine/Diesel	10.34	14.06	19.27	20.03	20.03	21.36	21.25	21.22	20.50	20.50	20.50	20.50	20.50
Nuclear Power	7.66	7.66	7.67	7.67	7.67	7.68	7.68	7.05	5.99	5.99	5.99	5.99	5.99
Pumped Storage/Other 3/	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36
Fuel Cells	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
Renewable Sources 4/	1.51	1.66	1.74	1.83	1.85	1.87	1.87	1.87	1.87	1.95	1.95	1.98	1.98
Distributed Generation 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
Total Capacity	113.42	119.05	127.44	130.67	130.98	133.66	130.03	129.55	126.36	130.42	130.42	132.53	132.53
Cumulative Planned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	3.10	5.49	5.94	5.94	5.94	5.94	5.94	5.94	5.94	5.94	5.94
Combustion Turbine/Diesel	0.00	0.00	5.31	6.42	6.42	6.42	6.42	6.42	6.42	6.42	6.42	6.42	6.42
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.07	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Distributed Generation 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
Total Planned Additions	0.00	0.00	8.49	12.03	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50
Cumulative Unplanned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	0.00	0.00	0.00	1.90	1.90	2.45	2.45	6.44	6.44	8.52	8.52
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.09	0.09	0.13	0.13
Distributed Generation 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
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.00	3.60	3.60	4.15	4.15	8.21	8.21	10.32	10.32
Cumulative Total Additions	0.00	0.00	8.49	12.03	12.50	16.10	16.10	16.65	16.65	20.71	20.71	22.82	22.82
Cumulative Retirements 7/													
Coal Steam	0.00	0.00	0.00	0.01	0.17	0.75	2.70	3.01	3.01	3.01	3.01	3.01	3.01
Other Fossil Steam 3/	0.00	0.00	0.00	0.00	0.00	0.02	1.58	1.58	3.00	3.00	3.00	3.00	3.00
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.04
Combustion Turbine/Diesel	0.00	0.00	0.11	0.46	0.46	0.80	0.91	0.94	1.66	1.66	1.66	1.66	1.66
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	1.83	1.83	1.83	1.83	1.83
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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	0.00	0.00	0.11	0.47	0.63	1.56	5.19	6.34	9.54	9.54	9.54	9.54	9.54
Combined Heat and Power 8/													
Capacity													
Coal	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
Petroleum	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

Table 60. Electric Power Projections for EMM Region
East Central Area Reliability Coordination Agreement

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Natural Gas	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22
Other Gaseous Fuels	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Renewable Sources 4/	0.13	0.13	0.13	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.17	0.18	0.19
Other	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Total	1.54	1.54	1.55	1.56	1.57	1.58	1.59	1.60	1.61	1.62	1.63	1.64	1.65
Other End Use Generators	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
Electricity Demand													
(billion kilowatthours)													
Residential	159.55	162.17	169.63	174.92	178.38	181.17	184.35	187.99	192.01	194.91	197.88	200.25	202.88
Commercial/Other	136.30	141.93	149.37	148.99	152.30	155.22	158.14	161.12	163.69	166.18	168.40	170.74	172.94
Industrial	217.42	201.46	189.21	199.25	204.39	207.27	211.96	218.16	224.49	229.56	235.74	241.45	246.30
Transportation	3.02	3.08	3.19	3.25	3.31	3.39	3.46	3.53	3.61	3.70	3.78	3.88	3.97
Total Sales	516.28	508.63	511.41	526.42	538.38	547.05	557.91	570.81	583.80	594.35	605.80	616.31	626.09
Net Energy for Load (billion kilowatthours) 7/													
Gross International Imports	1.45	0.07	2.96	8.88	9.55	8.44	3.65	5.31	8.43	7.49	8.27	8.12	8.76
Gross International Exports	1.21	2.10	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Gross Interregional Electricity Imports	7.08	6.38	5.89	5.70	5.61	5.60	5.60	5.60	5.62	5.60	5.06	4.50	4.08
Gross Interregional Electricity Exports	52.20	46.64	55.33	62.72	65.60	67.14	66.24	67.91	66.08	74.29	69.57	71.32	68.95
Purchases from Combined Heat and Power 8/	1.65	1.59	1.71	1.84	1.94	2.03	2.11	2.20	2.30	2.43	2.57	2.70	2.81
Electric Power Sector Generation for Customers	560.16	542.24	577.60	595.46	610.54	621.86	636.83	649.95	658.32	677.85	684.64	697.63	704.86
Total Net Energy for Load	516.92	501.55	532.78	549.11	562.00	570.75	581.89	595.10	608.55	619.03	630.93	641.58	651.52
Generation by Fuel Type													
(billion kilowatthours)													
Coal	505.67	482.34	492.23	504.41	510.12	517.99	529.68	545.96	556.64	563.18	566.85	570.75	574.41
Petroleum	3.26	1.95	0.43	0.77	0.72	0.72	0.69	0.70	0.68	0.61	0.58	0.55	0.54
Natural Gas	14.60	15.53	40.07	43.85	52.37	53.71	56.74	55.88	63.54	76.18	78.53	87.50	91.16
Nuclear	47.76	55.35	56.87	57.11	57.30	57.88	58.07	56.91	47.07	47.22	47.35	47.41	47.47
Pumped Storage/Other 3/	-0.92	-1.61	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Renewable Sources 4/	5.37	5.77	6.05	6.62	6.87	8.53	8.70	7.71	7.73	8.11	8.83	8.93	8.88
Total Generation	575.75	559.32	595.64	612.75	627.36	638.81	653.86	667.15	675.64	695.29	702.14	715.14	722.45
Sales to Customers	573.00	554.83	590.63	607.72	622.31	633.74	648.77	662.05	670.55	690.20	697.05	710.05	717.36
Generation for Own Use	2.75	4.48	5.01	5.03	5.06	5.07	5.09	5.10	5.09	5.09	5.09	5.09	5.09
Distributed Generation 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
Combined Heat and Power													
Coal	5.07	5.06	5.07	5.07	5.07	5.07	5.07	5.07	5.07	5.07	5.07	5.07	5.07
Petroleum	0.26	0.25	0.28	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
Natural Gas	1.45	1.45	1.56	1.61	1.66	1.72	1.78	1.84	1.90	1.96	2.01	2.06	2.11
Other Gaseous Fuels	0.27	0.26	0.27	0.27	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
Renewable Sources 4/	4.67	4.66	4.62	4.82	4.98	5.10	5.20	5.33	5.47	5.67	5.90	6.11	6.29
Other	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08
Total	12.81	12.76	12.88	13.13	13.39	13.57	13.73	13.92	14.12	14.38	14.66	14.92	15.15
Other End Use Generators	0.64	0.64	0.65	0.65	0.66	0.67	0.68	0.69	0.71	0.73	0.76	0.76	0.76
Sales to Utilities	1.65	1.59	1.71	1.84	1.94	2.03	2.11	2.20	2.30	2.43	2.57	2.70	2.81
Generation for Own Use	11.79	11.81	11.82	11.95	12.11	12.21	12.30	12.41	12.53	12.68	12.85	12.98	13.10
End-Use Prices													
(2001 cents per kilowatthour)													

Table 60. Electric Power Projections for EMM Region
East Central Area Reliability Coordination Agreement

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	7.7	7.6	7.3	7.1	7.0	6.8	6.7	6.5	6.5	6.4	6.4	6.5	6.6
Commercial	6.8	6.6	6.7	6.3	6.3	6.2	6.0	5.8	5.8	5.7	5.8	5.8	6.0
Industrial	4.3	4.2	4.1	4.2	4.2	4.2	4.1	4.0	4.1	4.1	4.1	4.1	4.2
Transportation	6.7	6.2	5.8	5.9	5.9	5.9	5.7	5.5	5.5	5.3	5.4	5.4	5.5
All Sectors Average	6.0	6.0	5.9	5.8	5.7	5.7	5.5	5.3	5.4	5.3	5.4	5.4	5.5
Prices by Service Category													
(2001 cents per kilowatthour)													
Generation	3.8	4.0	3.9	3.8	3.7	3.6	3.5	3.3	3.4	3.3	3.4	3.4	3.6
Transmission	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Distribution	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
Fuel Consumption (quadrillion Btu) 9/													
Coal	5.25	5.11	4.96	5.09	5.13	5.20	5.32	5.49	5.60	5.67	5.72	5.76	5.80
Natural Gas	0.17	0.17	0.38	0.40	0.47	0.46	0.48	0.47	0.54	0.62	0.64	0.69	0.72
Oil	0.13	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Total	5.55	5.39	5.45	5.59	5.69	5.76	5.90	6.06	6.24	6.39	6.45	6.55	6.62
Emissions (million tons) 10/													
Total Carbon	153.49	147.79	145.15	149.17	151.28	153.34	157.03	161.61	165.89	169.19	170.74	172.92	174.59
Carbon Dioxide	562.79	541.91	532.20	546.97	554.68	562.26	575.76	592.59	608.28	620.38	626.06	634.04	640.15
Sulfur Dioxide	3.38	3.15	3.37	3.39	3.31	3.15	3.25	3.18	3.08	3.04	2.96	2.87	2.81
Nitrogen Oxide	1.33	1.25	1.11	1.14	0.80	0.80	0.83	0.86	0.88	0.90	0.90	0.90	0.91

Table 60. Electric Power Projections for EMM Region
East Central Area Reliability Coordination Agreement

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electricity Generating Capacity 1/														
(gigawatts)														
Coal Steam	81.32	81.32	81.32	81.32	81.32	81.32	81.32	81.32	81.32	81.32	81.52	81.52	81.96	-0.1%
Other Fossil Steam 2/	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	-6.3%
Combined Cycle	20.08	20.08	22.43	22.43	25.61	25.61	29.22	29.22	33.21	33.21	37.69	37.69	42.04	10.1%
Combustion Turbine/Diesel	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.59	20.38	20.81	1.6%
Nuclear Power	5.99	5.99	5.99	5.99	5.99	5.99	5.99	5.99	5.99	5.99	5.99	5.99	5.99	-1.0%
Pumped Storage/Other 3/	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	N/A
Fuel Cells	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
Renewable Sources 4/	1.98	1.98	2.02	2.02	2.04	2.04	2.10	2.10	2.14	2.14	2.22	2.22	2.26	1.3%
Distributed Generation 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
Total Capacity	134.03	134.03	136.41	136.41	139.62	139.62	143.29	143.29	147.31	147.31	152.16	151.95	157.21	1.2%
Cumulative Planned Additions 6/														
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	5.94	5.94	5.94	5.94	5.94	5.94	5.94	5.94	5.94	5.94	5.94	5.94	5.94	N/A
Combustion Turbine/Diesel	6.42	6.42	6.42	6.42	6.42	6.42	6.42	6.42	6.42	6.42	6.42	6.42	6.42	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	N/A
Distributed Generation 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
Total Planned Additions	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	12.50	N/A
Cumulative Unplanned Additions 6/														
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.64	N/A
Other Fossil Steam 2/	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
Combined Cycle	10.02	10.02	12.36	12.36	15.55	15.55	19.16	19.16	23.14	23.14	27.63	27.63	31.97	N/A
Combustion Turbine/Diesel	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.76	1.76	2.19	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.13	0.13	0.17	0.17	0.19	0.19	0.25	0.25	0.29	0.29	0.37	0.37	0.41	N/A
Distributed Generation 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
Total Unplanned Additions	11.82	11.82	14.20	14.20	17.41	17.41	21.08	21.08	25.11	25.11	29.95	29.95	35.21	N/A
Cumulative Total Additions	24.32	24.32	26.70	26.70	29.91	29.91	33.58	33.58	37.61	37.61	42.45	42.45	47.71	N/A
Cumulative Retirements 7/														
Coal Steam	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.01	N/A
Other Fossil Steam 3/	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	N/A
Combined Cycle	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	N/A
Combustion Turbine/Diesel	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.87	1.87	N/A
Nuclear Power	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	1.83	N/A
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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
Total	9.54	9.54	9.54	9.54	9.54	9.54	9.54	9.54	9.54	9.54	9.54	9.75	9.75	N/A
Combined Heat and Power 8/														
Capacity														
Coal	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	0.0%
Petroleum	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	0.6%

Table 60. Electric Power Projections for EMM Region
East Central Area Reliability Coordination Agreement

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Natural Gas	0.22	0.22	0.23	0.23	0.24	0.25	0.25	0.26	0.27	0.28	0.29	0.30	0.31	2.7%
Other Gaseous Fuels	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	0.3%
Renewable Sources 4/	0.19	0.20	0.20	0.21	0.21	0.21	0.22	0.23	0.23	0.24	0.24	0.25	0.25	2.7%
Other	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	N/A
Total	1.66	1.67	1.68	1.69	1.70	1.71	1.72	1.74	1.75	1.77	1.78	1.80	1.81	0.7%
Other End Use Generators	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	2.5%
Electricity Demand														
(billion kilowatthours)														
Residential	204.46	206.70	209.36	212.12	214.09	216.46	219.17	222.09	224.06	226.51	229.45	232.68	235.23	1.6%
Commercial/Other	175.39	177.94	180.63	183.25	186.17	189.11	192.37	195.51	199.07	202.55	206.40	210.00	214.09	1.7%
Industrial	250.21	254.22	257.25	259.71	263.02	266.33	270.45	273.54	276.77	280.98	285.15	289.79	293.85	1.6%
Transportation	4.06	4.15	4.25	4.34	4.45	4.56	4.67	4.80	4.94	5.06	5.19	5.32	5.44	2.4%
Total Sales	634.12	643.01	651.48	659.41	667.72	676.46	686.67	695.94	704.84	715.10	726.19	737.79	748.61	1.6%
Net Energy for Load (billion kilowatthours) 7/														
Gross International Imports	8.46	7.63	5.75	4.16	2.72	1.59	0.48	0.09	0.01	0.00	0.13	0.01	0.00	N/A
Gross International Exports	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-14.9%
Gross Interregional Electricity Imports	3.42	2.94	2.49	2.13	1.46	0.74	0.75	0.30	0.43	0.50	0.56	1.38	2.29	-4.2%
Gross Interregional Electricity Exports	69.14	62.88	63.40	58.79	60.39	54.31	57.35	53.35	61.83	56.54	62.60	47.50	52.46	0.5%
Purchases from Combined Heat and Power 8/	2.91	3.02	3.10	3.18	3.27	3.37	3.48	3.58	3.68	3.80	3.91	4.05	4.18	4.1%
Electric Power Sector Generation for Customers	714.04	718.04	729.21	734.88	747.24	752.27	767.16	773.79	791.36	796.82	814.31	810.94	826.24	1.8%
Total Net Energy for Load	659.65	668.70	677.11	685.52	694.26	703.62	714.46	724.36	733.59	744.54	756.27	768.85	780.20	1.9%
Generation by Fuel Type														
(billion kilowatthours)														
Coal	577.07	579.08	580.36	582.09	582.37	582.81	584.10	586.23	586.84	587.81	590.64	591.48	595.27	0.9%
Petroleum	0.54	0.60	0.60	0.60	0.60	0.60	0.60	0.67	0.67	0.69	0.69	0.69	0.74	-4.0%
Natural Gas	97.55	99.39	109.02	112.95	124.95	129.47	142.69	147.13	163.91	168.40	182.67	178.46	189.87	11.0%
Nuclear	47.54	47.60	47.66	47.72	47.79	47.85	47.91	47.98	48.00	48.00	48.00	48.00	48.00	-0.6%
Pumped Storage/Other 3/	-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	-18.5%
Renewable Sources 4/	8.93	8.98	9.31	9.30	9.32	9.33	9.52	9.43	9.58	9.57	9.83	9.83	9.89	2.3%
Total Generation	731.60	735.65	746.94	752.66	765.02	770.05	784.82	791.43	808.99	814.46	831.82	828.45	843.75	1.7%
Sales to Customers	726.51	730.56	741.85	747.57	759.93	764.96	779.73	786.34	803.90	809.37	826.73	823.36	838.66	1.7%
Generation for Own Use	5.09	5.09	5.09	5.09	5.09	5.09	5.09	5.09	5.09	5.09	5.09	5.09	5.09	0.5%
Distributed Generation 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
Combined Heat and Power														
Coal	5.07	5.07	5.07	5.07	5.07	5.07	5.07	5.07	5.07	5.07	5.07	5.07	5.07	0.0%
Petroleum	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.5%
Natural Gas	2.15	2.20	2.26	2.32	2.39	2.46	2.55	2.64	2.74	2.85	2.96	3.09	3.20	3.4%
Other Gaseous Fuels	0.32	0.32	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.35	0.36	1.4%
Renewable Sources 4/	6.46	6.64	6.79	6.92	7.07	7.23	7.39	7.54	7.69	7.86	8.03	8.21	8.38	2.5%
Other	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	0.0%
Total	15.36	15.59	15.79	15.99	16.20	16.44	16.70	16.95	17.19	17.48	17.77	18.09	18.37	1.5%
Other End Use Generators	0.77	0.77	0.78	0.79	0.80	0.81	0.81	0.83	0.85	0.87	0.89	0.91	0.93	1.6%
Sales to Utilities	2.91	3.02	3.10	3.18	3.27	3.37	3.48	3.58	3.68	3.80	3.91	4.05	4.18	4.1%
Generation for Own Use	13.22	13.34	13.47	13.59	13.73	13.88	14.03	14.21	14.37	14.56	14.74	14.95	15.13	1.0%
End-Use Prices														
(2001 cents per kilowatthour)														

Table 60. Electric Power Projections for EMM Region
East Central Area Reliability Coordination Agreement

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	6.6	6.7	6.6	6.8	6.6	6.8	6.6	6.9	6.7	6.9	6.6	6.9	6.6	-0.6%
Commercial	6.1	6.2	6.2	6.4	6.2	6.4	6.3	6.5	6.3	6.6	6.3	6.7	6.3	-0.2%
Industrial	4.2	4.4	4.3	4.5	4.4	4.5	4.4	4.6	4.5	4.7	4.5	4.7	4.5	0.3%
Transportation	5.5	5.5	5.4	5.5	5.4	5.4	5.3	5.4	5.3	5.4	5.2	5.4	5.1	-0.8%
All Sectors Average	5.5	5.6	5.6	5.8	5.6	5.8	5.6	5.9	5.7	5.9	5.7	6.0	5.7	-0.2%
Prices by Service Category														
(2001 cents per kilowatthour)														
Generation	3.6	3.7	3.6	3.8	3.7	3.8	3.7	3.9	3.8	4.0	3.8	4.1	3.8	-0.2%
Transmission	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4%
Distribution	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-0.4%
Fuel Consumption (quadrillion Btu) 9/														
Coal	5.83	5.85	5.87	5.89	5.89	5.90	5.91	5.94	5.94	5.95	5.98	5.99	6.02	0.7%
Natural Gas	0.76	0.77	0.83	0.86	0.93	0.96	1.04	1.07	1.17	1.21	1.29	1.25	1.32	9.0%
Oil	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	-0.6%
Total	6.69	6.72	6.79	6.84	6.92	6.96	7.05	7.10	7.21	7.25	7.36	7.34	7.43	1.4%
Emissions (million tons) 10/														
Total Carbon	176.08	176.94	178.30	179.43	180.73	181.47	183.13	184.39	186.16	187.00	189.08	188.83	190.75	1.1%
Carbon Dioxide	645.64	648.78	653.76	657.92	662.68	665.41	671.48	676.08	682.59	685.67	693.31	692.38	699.42	1.1%
Sulfur Dioxide	2.83	2.84	2.82	2.78	2.77	2.80	2.82	2.86	2.85	2.88	2.95	3.01	3.04	-0.2%
Nitrogen Oxide	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.92	0.92	0.92	0.92	0.92	0.92	-1.3%

Table 60. Electric Power Projections for EMM Region
East Central Area Reliability Coordination Agreement

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860, "Annual Electric Generator Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.
2/ Includes oil-, gas-, and dual-fired capacity.
3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
5/ Primarily peak-load capacity fueled by natural gas.
6/ Cumulative additions after December 31, 2001.
7/ Generation to meet system load by source.
8/ Combined heat and power produces electricity and other useful thermal energy (such as steam or heat) through the sequential use of energy.
9/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.
10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).
O&M = Operation and maintenance.
EMM = Electricity market module.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Other 2001 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, July 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 61. Electric Power Projections for EMM Region
Electric Reliability Council of Texas

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electricity Generating Capacity 1/													
(gigawatts)													
Coal Steam	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.82	15.82	15.82
Other Fossil Steam 2/	30.13	30.08	30.01	29.72	29.48	26.09	22.88	20.61	19.48	18.31	18.27	17.82	17.79
Combined Cycle	7.68	11.15	15.68	16.60	17.28	17.28	17.28	17.28	19.18	19.35	23.89	23.89	27.63
Combustion Turbine/Diesel	4.86	6.96	7.52	7.10	7.10	7.08	7.08	6.73	8.51	8.50	10.54	10.54	12.35
Nuclear Power	4.80	4.82	4.82	4.82	4.85	4.89	4.89	4.89	5.07	5.08	5.08	5.08	5.08
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.77	1.66	1.89	2.31	2.31	2.43	2.50	2.56	2.62	2.68	2.69	2.70	2.71
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.10	0.17	0.25	0.31	0.39	0.45
Total Capacity	63.48	69.91	75.16	75.78	76.26	73.04	69.89	67.41	70.27	69.42	76.60	76.23	81.83
Cumulative Planned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	4.57	5.48	6.17	6.17	6.17	6.17	6.17	6.17	6.17	6.17	6.17
Combustion Turbine/Diesel	0.00	0.00	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.23	0.64	0.65	0.77	0.84	0.90	0.96	1.02	1.03	1.04	1.04
Distributed Generation 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
Total Planned Additions	0.00	0.00	5.37	6.70	7.38	7.51	7.57	7.63	7.69	7.76	7.76	7.77	7.78
Cumulative Unplanned Additions 6/													
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.58	0.58
Other Fossil Steam 2/	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
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.90	2.07	6.61	6.61	10.35
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	1.78	3.82	3.82	5.64
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	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
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.10	0.17	0.25	0.31	0.39	0.45
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.10	3.85	4.10	11.32	11.40	17.02
Cumulative Total Additions	0.00	0.00	5.37	6.70	7.38	7.53	7.59	7.73	11.54	11.85	19.08	19.17	24.80
Cumulative Retirements 7/													
Coal Steam	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 Fossil Steam 3/	0.00	0.00	0.00	0.28	0.53	3.92	7.13	9.40	10.53	11.69	11.74	12.19	12.22
Combined Cycle	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
Combustion Turbine/Diesel	0.00	0.00	0.00	0.43	0.43	0.44	0.44	0.79	0.79	0.80	0.81	0.81	0.81
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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	0.00	0.00	0.00	0.71	0.96	4.36	7.57	10.19	11.32	12.50	12.54	13.00	13.03
Combined Heat and Power 8/													
Capacity													
Coal	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
Petroleum	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

Table 61. Electric Power Projections for EMM Region
Electric Reliability Council of Texas

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Natural Gas	5.25	5.35	5.53	5.67	5.77	5.94	6.12	6.29	6.46	6.63	6.78	6.92	7.05
Other Gaseous Fuels	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
Renewable Sources 4/	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Total	5.65	5.75	5.93	6.07	6.17	6.34	6.52	6.69	6.86	7.03	7.18	7.32	7.45
Other End Use Generators	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 Demand													
(billion kilowatthours)													
Residential	103.76	105.06	105.12	109.60	112.44	114.83	117.36	119.42	122.46	124.10	127.57	130.08	133.27
Commercial/Other	82.52	83.90	83.53	85.68	88.14	90.30	92.30	93.67	95.49	96.78	99.40	101.77	104.31
Industrial	83.29	79.25	72.47	76.00	77.72	78.50	80.73	83.27	85.93	87.50	89.91	92.15	94.32
Transportation	1.33	1.37	1.38	1.42	1.46	1.50	1.54	1.59	1.63	1.68	1.73	1.79	1.84
Total Sales	270.90	269.57	262.51	272.70	279.75	285.14	291.93	297.95	305.51	310.06	318.62	325.78	333.75
Net Energy for Load (billion kilowatthours) 7/													
Gross International Imports	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
Gross International Exports	0.02	0.02	0.36	0.39	0.42	0.45	0.49	0.53	0.57	0.62	0.67	0.67	0.67
Gross Interregional Electricity Imports	4.03	4.00	3.67	5.99	5.65	5.87	6.21	6.23	5.40	5.50	4.06	4.04	3.22
Gross Interregional Electricity Exports	2.27	1.92	1.63	1.60	1.60	1.60	1.60	1.60	1.62	1.61	1.47	1.31	1.15
Purchases from Combined Heat and Power 8/	7.29	6.75	8.28	8.74	9.02	9.59	10.14	10.70	11.24	11.81	12.26	12.71	13.11
Electric Power Sector Generation for Customers	249.57	223.18	224.23	230.66	238.18	242.64	247.88	252.65	262.39	265.78	279.74	285.71	299.12
Total Net Energy for Load	258.60	231.98	234.19	243.40	250.83	256.05	262.14	267.46	276.84	280.85	293.92	300.48	313.63
Generation by Fuel Type													
(billion kilowatthours)													
Coal	106.58	102.26	103.47	103.74	106.93	109.61	111.64	114.00	112.65	112.64	116.95	116.95	116.95
Petroleum	2.49	2.92	0.02	0.04	0.04	0.04	0.03	0.04	0.05	0.17	0.04	0.05	0.03
Natural Gas	127.96	114.21	131.05	137.61	141.13	142.56	146.05	149.07	156.92	160.42	165.82	172.50	180.81
Nuclear	37.56	38.16	38.22	38.30	38.65	38.97	38.97	38.97	40.40	40.49	40.49	40.49	40.49
Pumped Storage/Other 3/	1.34	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewable Sources 4/	1.21	1.42	4.39	5.58	5.94	6.23	6.73	6.94	7.15	7.37	7.45	7.50	7.55
Total Generation	277.14	260.32	277.15	285.27	292.70	297.42	303.42	309.02	317.17	321.09	330.76	337.48	345.82
Sales to Customers	274.63	255.98	269.71	277.81	285.23	289.96	295.96	301.56	309.71	313.62	323.30	330.02	338.36
Generation for Own Use	2.51	4.34	7.44	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.04	0.07	0.11	0.14	0.17	0.20
Combined Heat and Power													
Coal	2.80	2.79	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80
Petroleum	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Natural Gas	29.85	29.76	32.12	33.12	34.11	35.36	36.61	37.86	39.07	40.33	41.36	42.38	43.30
Other Gaseous Fuels	0.11	0.10	0.11	0.11	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Renewable Sources 4/	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	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Total	33.59	33.48	35.87	36.87	37.87	39.13	40.37	41.62	42.83	44.10	45.12	46.14	47.06
Other End Use Generators	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
Sales to Utilities	7.29	6.75	8.28	8.74	9.02	9.59	10.14	10.70	11.24	11.81	12.26	12.71	13.11
Generation for Own Use	26.30	26.73	27.58	28.13	28.85	29.54	30.23	30.92	31.59	32.29	32.87	33.43	33.95
End-Use Prices													
(2001 cents per kilowatthour)													

Table 61. Electric Power Projections for EMM Region
Electric Reliability Council of Texas

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	8.2	8.2	7.6	7.5	7.4	7.3	7.3	8.0	7.5	8.3	7.0	7.3	7.0
Commercial	7.4	7.7	7.3	6.9	6.7	6.6	6.5	7.5	7.0	8.0	6.5	6.7	6.3
Industrial	4.3	4.6	4.4	4.3	4.2	4.2	4.2	4.9	4.6	5.3	4.3	4.6	4.3
Transportation	6.8	7.2	6.7	6.4	6.2	6.1	6.0	6.7	6.3	7.1	5.9	6.2	6.0
All Sectors Average	6.8	7.0	6.6	6.4	6.3	6.2	6.2	7.0	6.5	7.4	6.1	6.4	6.0
Prices by Service Category													
(2001 cents per kilowatthour)													
Generation	4.2	4.6	4.2	4.1	3.9	3.8	3.9	4.7	4.3	5.1	3.8	4.1	3.8
Transmission	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6
Distribution	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.7	1.7	1.7	1.6	1.6
Fuel Consumption (quadrillion Btu) 9/													
Coal	1.14	1.10	1.09	1.09	1.12	1.15	1.17	1.20	1.18	1.18	1.22	1.22	1.22
Natural Gas	1.34	1.19	1.13	1.18	1.20	1.21	1.25	1.28	1.31	1.34	1.31	1.37	1.38
Oil	0.27	0.36	0.44	0.45	0.45	0.45	0.46	0.47	0.45	0.46	0.42	0.43	0.39
Total	2.75	2.64	2.66	2.72	2.77	2.82	2.88	2.94	2.95	2.98	2.95	3.02	2.99
Emissions (million tons) 10/													
Total Carbon	55.81	53.04	49.36	50.11	51.43	52.43	53.56	54.74	54.88	55.36	55.92	56.85	57.03
Carbon Dioxide	204.62	194.48	181.00	183.75	188.56	192.25	196.40	200.71	201.23	202.98	205.04	208.47	209.12
Sulfur Dioxide	0.40	0.39	0.38	0.35	0.41	0.46	0.47	0.48	0.47	0.47	0.39	0.36	0.36
Nitrogen Oxide	0.39	0.37	0.21	0.21	0.21	0.22	0.22	0.23	0.22	0.22	0.21	0.21	0.21

Table 61. Electric Power Projections for EMM Region
Electric Reliability Council of Texas

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electricity Generating Capacity 1/														
(gigawatts)														
Coal Steam	15.82	16.11	16.11	16.32	16.32	16.32	16.32	16.32	16.32	16.32	16.32	16.32	16.63	0.4%
Other Fossil Steam 2/	15.71	15.71	14.80	14.80	14.80	14.80	14.80	14.58	14.58	14.34	14.34	14.34	13.94	-3.2%
Combined Cycle	27.63	31.02	31.02	32.40	32.40	32.99	32.99	33.17	33.41	33.72	34.92	35.42	36.74	5.1%
Combustion Turbine/Diesel	12.35	13.00	13.00	13.25	13.25	13.25	13.25	13.25	13.25	13.25	13.25	13.25	13.39	2.8%
Nuclear Power	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	0.2%
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	2.71	2.72	2.73	2.74	2.75	2.75	2.76	2.77	2.77	2.77	2.78	2.78	2.78	2.2%
Distributed Generation 5/	0.45	0.53	0.57	0.64	0.71	0.78	0.84	0.90	0.96	1.02	1.08	1.13	1.19	N/A
Total Capacity	79.76	84.18	83.31	85.23	85.31	85.98	86.05	86.07	86.38	86.50	87.77	88.33	89.74	1.0%
Cumulative Planned Additions 6/														
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	6.17	6.17	6.17	6.17	6.17	6.17	6.17	6.17	6.17	6.17	6.17	6.17	6.17	N/A
Combustion Turbine/Diesel	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	1.05	1.06	1.07	1.08	1.08	1.09	1.10	1.11	1.11	1.11	1.11	1.12	1.12	N/A
Distributed Generation 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
Total Planned Additions	7.79	7.79	7.80	7.81	7.82	7.83	7.83	7.84	7.84	7.85	7.85	7.85	7.85	N/A
Cumulative Unplanned Additions 6/														
Coal Steam	0.58	0.87	0.87	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.39	N/A
Other Fossil Steam 2/	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
Combined Cycle	10.35	13.74	13.74	15.12	15.12	15.71	15.71	15.88	16.13	16.43	17.64	18.14	19.45	N/A
Combustion Turbine/Diesel	5.64	6.29	6.29	6.54	6.54	6.54	6.54	6.54	6.54	6.54	6.54	6.54	6.68	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	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
Distributed Generation 5/	0.45	0.53	0.57	0.64	0.71	0.78	0.84	0.90	0.96	1.02	1.08	1.13	1.19	N/A
Total Unplanned Additions	17.02	21.43	21.47	23.38	23.45	24.11	24.17	24.40	24.71	25.07	26.33	26.89	28.71	N/A
Cumulative Total Additions	24.80	29.23	29.27	31.19	31.27	31.93	32.01	32.25	32.55	32.92	34.18	34.75	36.56	N/A
Cumulative Retirements 7/														
Coal Steam	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 Fossil Steam 3/	14.29	14.29	15.20	15.20	15.20	15.20	15.20	15.42	15.42	15.66	15.66	15.66	16.06	N/A
Combined Cycle	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
Combustion Turbine/Diesel	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	N/A
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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
Total	15.11	15.11	16.02	16.02	16.02	16.02	16.02	16.24	16.24	16.48	16.48	16.48	16.88	N/A
Combined Heat and Power 8/														
Capacity														
Coal	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.0%
Petroleum	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

Table 61. Electric Power Projections for EMM Region
Electric Reliability Council of Texas

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Natural Gas	7.18	7.32	7.48	7.66	7.84	8.07	8.31	8.59	8.88	9.21	9.52	9.89	10.22	2.7%
Other Gaseous Fuels	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
Renewable Sources 4/	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Total	7.58	7.72	7.88	8.06	8.25	8.47	8.71	8.99	9.28	9.61	9.93	10.29	10.62	2.6%
Other End Use Generators	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 Demand														
(billion kilowatthours)														
Residential	134.89	137.43	139.85	142.62	144.42	146.77	149.08	151.52	153.06	155.06	157.42	160.35	162.91	1.8%
Commercial/Other	106.21	108.21	109.85	111.46	112.97	114.66	116.37	117.91	119.36	120.62	121.99	123.27	125.04	1.7%
Industrial	96.18	97.64	99.10	100.25	101.58	102.76	104.32	105.65	106.99	108.67	110.30	112.08	113.70	1.5%
Transportation	1.90	1.96	2.01	2.07	2.14	2.20	2.27	2.35	2.43	2.51	2.59	2.67	2.74	2.9%
Total Sales	339.17	345.24	350.82	356.40	361.10	366.39	372.04	377.42	381.84	386.86	392.30	398.37	404.38	1.7%
Net Energy for Load (billion kilowatthours) 7/														
Gross International Imports	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
Gross International Exports	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	16.1%
Gross Interregional Electricity Imports	3.45	2.96	3.38	2.78	2.70	2.59	2.62	2.56	2.50	2.54	2.16	1.33	2.13	-2.6%
Gross Interregional Electricity Exports	0.98	0.81	0.65	0.49	0.34	0.18	0.10	0.03	0.03	0.03	0.04	0.27	0.04	-15.2%
Purchases from Combined Heat and Power 8/	13.53	13.95	14.41	14.90	15.42	16.02	16.70	17.44	18.17	19.03	19.85	20.84	21.70	5.0%
Electric Power Sector Generation for Customers	302.83	313.14	317.21	324.05	327.46	332.31	336.61	340.86	344.61	348.39	354.34	360.84	366.21	2.1%
Total Net Energy for Load	318.16	328.57	333.67	340.58	344.57	350.08	355.15	360.16	364.59	369.26	375.64	382.06	389.33	2.2%
Generation by Fuel Type														
(billion kilowatthours)														
Coal	116.95	119.11	119.11	120.64	120.64	120.64	120.64	120.64	120.64	120.64	120.64	120.64	122.95	0.8%
Petroleum	0.17	0.11	0.06	0.10	0.12	0.03	0.03	0.18	0.18	0.19	0.19	0.20	0.18	-10.9%
Natural Gas	185.56	189.44	194.26	198.46	202.39	207.37	212.43	217.10	221.05	225.44	230.77	237.21	239.39	3.1%
Nuclear	40.49	40.49	40.49	40.49	40.49	40.49	40.49	40.49	40.49	40.49	40.49	40.49	40.49	0.2%
Pumped Storage/Other 3/	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
Renewable Sources 4/	7.59	7.64	7.68	7.73	7.78	7.83	7.87	7.92	7.94	7.94	7.95	7.96	7.96	7.4%
Total Generation	350.76	356.78	361.60	367.43	371.42	376.36	381.47	386.33	390.30	394.70	400.03	406.49	410.97	1.9%
Sales to Customers	343.30	349.32	354.14	359.97	363.96	368.89	374.01	378.87	382.84	387.24	392.57	399.02	403.51	1.9%
Generation for Own Use	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	7.46	2.3%
Distributed Generation 5/	0.20	0.23	0.25	0.28	0.31	0.34	0.37	0.39	0.42	0.45	0.47	0.50	0.52	N/A
Combined Heat and Power														
Coal	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	0.0%
Petroleum	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.5%
Natural Gas	44.27	45.24	46.39	47.66	49.00	50.56	52.28	54.32	56.32	58.65	60.87	63.47	65.78	3.4%
Other Gaseous Fuels	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	1.4%
Renewable Sources 4/	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	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.0%
Total	48.03	49.01	50.15	51.43	52.76	54.32	56.05	58.09	60.09	62.42	64.64	67.25	69.56	3.1%
Other End Use Generators	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
Sales to Utilities	13.53	13.95	14.41	14.90	15.42	16.02	16.70	17.44	18.17	19.03	19.85	20.84	21.70	5.0%
Generation for Own Use	34.50	35.06	35.75	36.52	37.34	38.30	39.35	40.64	41.92	43.39	44.79	46.41	47.86	2.5%
End-Use Prices														
(2001 cents per kilowatthour)														

Table 61. Electric Power Projections for EMM Region
Electric Reliability Council of Texas

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	7.4	7.0	7.1	7.1	7.1	7.1	7.2	7.4	7.6	7.8	7.7	7.8	7.6	-0.3%
Commercial	6.5	6.2	6.2	6.2	6.2	6.2	6.4	6.7	6.9	7.2	7.2	7.4	7.2	-0.3%
Industrial	4.5	4.2	4.3	4.3	4.4	4.3	4.5	4.7	4.9	5.1	5.1	5.2	5.1	0.4%
Transportation	6.2	5.9	6.0	5.9	6.0	5.9	6.0	6.2	6.3	6.5	6.4	6.5	6.3	-0.5%
All Sectors Average	6.3	6.0	6.1	6.0	6.1	6.0	6.2	6.4	6.6	6.8	6.8	6.9	6.8	-0.1%
Prices by Service Category														
(2001 cents per kilowatthour)														
Generation	4.1	3.8	3.9	3.8	3.9	3.9	4.1	4.4	4.6	4.9	4.8	5.0	4.8	0.2%
Transmission	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5%
Distribution	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	-1.4%
Fuel Consumption (quadrillion Btu) 9/														
Coal	1.22	1.24	1.24	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.27	0.6%
Natural Gas	1.42	1.41	1.45	1.46	1.50	1.53	1.57	1.60	1.63	1.67	1.69	1.74	1.74	1.6%
Oil	0.40	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.39	0.39	0.39	0.39	0.38	0.3%
Total	3.04	3.01	3.06	3.08	3.12	3.15	3.20	3.24	3.27	3.31	3.33	3.38	3.40	1.0%
Emissions (million tons) 10/														
Total Carbon	57.70	58.04	58.65	59.35	59.86	60.38	61.03	61.64	62.11	62.63	63.09	63.86	64.45	0.8%
Carbon Dioxide	211.56	212.83	215.05	217.60	219.48	221.39	223.77	226.02	227.73	229.64	231.33	234.15	236.32	0.8%
Sulfur Dioxide	0.36	0.36	0.36	0.39	0.40	0.41	0.39	0.40	0.39	0.39	0.38	0.37	0.38	-0.1%
Nitrogen Oxide	0.21	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	-2.2%

Table 61. Electric Power Projections for EMM Region
Electric Reliability Council of Texas

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860, "Annual Electric Generator Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.
2/ Includes oil-, gas-, and dual-fired capacity.
3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
5/ Primarily peak-load capacity fueled by natural gas.
6/ Cumulative additions after December 31, 2001.
7/ Generation to meet system load by source.
8/ Combined heat and power produces electricity and other useful thermal energy (such as steam or heat) through the sequential use of energy.
9/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.
10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).
O&M = Operation and maintenance.
EMM = Electricity market module.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Other 2001 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, July 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 62. Electric Power Projections for EMM Region
Mid-Atlantic Area Council

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electricity Generating Capacity 1/													
(gigawatts)													
Coal Steam	20.09	19.89	19.89	19.89	19.89	19.85	20.18	20.18	20.18	20.18	20.18	20.18	20.18
Other Fossil Steam 2/	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.38
Combined Cycle	4.55	5.78	7.74	9.76	10.48	10.48	10.48	10.48	10.84	11.09	11.85	12.10	12.61
Combustion Turbine/Diesel	8.70	9.87	10.51	11.09	11.09	11.09	11.09	11.65	11.71	11.71	11.71	11.71	11.71
Nuclear Power	12.99	12.99	13.03	13.07	13.31	13.31	13.36	13.36	13.42	13.42	13.42	13.42	13.42
Pumped Storage/Other 3/	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.05	0.06	0.09	0.11	0.13	0.16
Renewable Sources 4/	1.84	1.88	1.89	1.89	1.89	1.92	1.96	1.99	2.02	2.04	2.07	2.10	2.12
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.15	0.21	0.27	0.34	0.41	0.47
Total Capacity	57.90	60.14	62.78	65.42	66.39	66.44	66.91	67.58	68.16	68.52	69.40	69.77	70.36
Cumulative Planned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	1.96	3.98	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70
Combustion Turbine/Diesel	0.00	0.00	0.64	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.05	0.06	0.09	0.11	0.13	0.16
Renewable Sources 4/	0.00	0.00	0.00	0.01	0.01	0.04	0.07	0.10	0.13	0.16	0.19	0.21	0.24
Distributed Generation 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
Total Planned Additions	0.00	0.00	2.60	5.21	5.93	5.98	6.03	6.07	6.12	6.17	6.22	6.27	6.32
Cumulative Unplanned Additions 6/													
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Other Fossil Steam 2/	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
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.61	1.37	1.61	2.12
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.62	0.62	0.62	0.62	0.62
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	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
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.05	0.09	0.15	0.21	0.27	0.34	0.41	0.47
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.00	0.05	0.42	1.04	1.52	1.83	2.66	2.97	3.55
Cumulative Total Additions	0.00	0.00	2.60	5.21	5.93	6.03	6.45	7.11	7.64	8.00	8.88	9.25	9.87
Cumulative Retirements 7/													
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Other Fossil Steam 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
Combined Cycle	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
Combustion Turbine/Diesel	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
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.08
Combined Heat and Power 8/													
Capacity													
Coal	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Petroleum	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

Table 62. Electric Power Projections for EMM Region
Mid-Atlantic Area Council

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Natural Gas	0.54	0.55	0.57	0.58	0.59	0.61	0.63	0.65	0.66	0.68	0.70	0.71	0.72
Other Gaseous Fuels	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Renewable Sources 4/	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	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Total	0.88	0.89	0.91	0.92	0.93	0.95	0.97	0.99	1.00	1.02	1.04	1.05	1.06
Other End Use Generators	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 Demand													
(billion kilowatthours)													
Residential	82.96	83.43	87.72	90.98	92.77	94.11	95.67	97.41	99.15	100.03	100.78	101.32	102.03
Commercial/Other	104.05	108.25	114.53	115.03	118.11	120.92	123.85	126.93	129.75	132.49	134.99	137.66	140.10
Industrial	54.08	50.05	47.67	50.03	50.67	51.34	52.06	53.77	55.14	56.49	57.96	59.43	60.66
Transportation	1.81	1.84	1.93	1.97	2.01	2.05	2.09	2.14	2.18	2.23	2.29	2.34	2.40
Total Sales	242.90	243.58	251.85	258.01	263.56	268.42	273.68	280.25	286.22	291.25	296.02	300.76	305.19
Net Energy for Load (billion kilowatthours) 7/													
Gross International Imports	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
Gross International Exports	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
Gross Interregional Electricity Imports	26.14	20.48	34.46	36.99	37.29	36.02	33.25	32.84	32.75	33.34	33.66	34.05	33.03
Gross Interregional Electricity Exports	20.35	16.78	20.98	22.94	23.81	18.26	19.51	16.43	17.62	14.60	15.06	10.98	11.34
Purchases from Combined Heat and Power 8/	1.29	1.19	1.41	1.49	1.56	1.63	1.71	1.79	1.87	1.96	2.04	2.12	2.19
Electric Power Sector Generation for Customers	234.03	229.60	239.24	245.16	248.69	249.60	258.70	262.60	269.50	271.27	276.10	276.68	282.14
Total Net Energy for Load	241.11	234.49	254.13	260.70	263.73	268.99	274.16	280.81	286.50	291.97	296.75	301.87	306.02
Generation by Fuel Type													
(billion kilowatthours)													
Coal	118.67	112.31	117.52	120.48	121.36	124.45	133.08	137.92	139.19	140.15	140.92	140.14	141.63
Petroleum	6.98	8.31	1.97	1.99	1.76	1.70	1.84	1.91	2.13	2.20	2.49	2.47	2.69
Natural Gas	19.46	19.65	25.38	27.13	30.25	27.07	26.58	25.30	30.15	30.42	34.09	34.60	38.48
Nuclear	104.08	104.68	106.11	106.62	108.52	108.62	109.18	109.25	109.74	109.74	109.74	109.74	109.74
Pumped Storage/Other 3/	-0.48	-0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewable Sources 4/	7.69	6.64	8.75	9.31	9.98	10.82	11.18	11.58	12.09	12.29	12.46	13.02	13.15
Total Generation	256.41	251.25	259.74	265.52	271.87	272.67	281.87	285.96	293.31	294.81	299.70	299.97	305.70
Sales to Customers	253.31	247.90	255.64	261.41	267.70	268.44	277.59	281.63	289.00	290.49	295.39	295.66	301.41
Generation for Own Use	3.10	3.35	4.09	4.11	4.17	4.23	4.28	4.33	4.31	4.31	4.31	4.31	4.30
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.07	0.09	0.12	0.15	0.18	0.21
Combined Heat and Power													
Coal	0.92	0.91	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Petroleum	0.60	0.59	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64
Natural Gas	3.28	3.27	3.53	3.64	3.75	3.89	4.02	4.16	4.29	4.43	4.54	4.66	4.76
Other Gaseous Fuels	0.64	0.60	0.62	0.62	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Renewable Sources 4/	1.30	1.30	1.28	1.34	1.38	1.42	1.44	1.48	1.52	1.57	1.64	1.70	1.75
Other	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
Total	7.08	7.02	7.35	7.52	7.79	7.96	8.12	8.30	8.47	8.66	8.84	9.01	9.16
Other End Use Generators	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.20	0.20	0.21	0.21	0.21
Sales to Utilities	1.29	1.19	1.41	1.49	1.56	1.63	1.71	1.79	1.87	1.96	2.04	2.12	2.19
Generation for Own Use	5.97	6.01	6.12	6.21	6.41	6.51	6.60	6.70	6.79	6.90	7.01	7.10	7.18
End-Use Prices													
(2001 cents per kilowatthour)													

Table 62. Electric Power Projections for EMM Region
Mid-Atlantic Area Council

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	9.6	9.2	8.6	8.1	7.8	7.8	7.5	7.2	7.3	7.5	7.7	8.0	8.2
Commercial	8.3	7.8	7.3	6.8	6.4	6.2	5.9	5.7	5.8	6.0	6.2	6.5	6.7
Industrial	6.7	6.4	5.9	5.7	5.5	5.4	5.3	5.2	5.3	5.3	5.2	5.2	5.3
Transportation	8.4	8.0	7.3	6.9	6.8	6.5	6.2	6.0	6.1	6.2	6.4	6.5	6.6
All Sectors Average	8.4	8.0	7.5	7.0	6.7	6.6	6.3	6.1	6.2	6.4	6.6	6.7	6.9
Prices by Service Category													
(2001 cents per kilowatthour)													
Generation	5.4	5.2	4.7	4.3	3.9	3.8	3.5	3.3	3.4	3.5	3.7	3.9	4.0
Transmission	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Distribution	2.5	2.4	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Fuel Consumption (quadrillion Btu) 9/													
Coal	1.30	1.26	1.17	1.20	1.21	1.24	1.32	1.37	1.39	1.40	1.41	1.40	1.41
Natural Gas	0.21	0.20	0.23	0.25	0.27	0.25	0.24	0.23	0.27	0.27	0.29	0.30	0.32
Oil	0.21	0.21	0.11	0.10	0.12	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.13
Total	1.72	1.67	1.51	1.55	1.60	1.60	1.68	1.72	1.78	1.79	1.82	1.81	1.86
Emissions (million tons) 10/													
Total Carbon	38.85	39.09	36.67	37.70	38.26	38.68	41.02	42.25	43.31	43.62	44.29	44.10	44.99
Carbon Dioxide	142.44	143.34	134.47	138.23	140.27	141.83	150.40	154.93	158.81	159.94	162.41	161.69	164.97
Sulfur Dioxide	1.15	1.09	1.01	1.03	1.02	1.02	1.02	1.05	1.06	1.08	1.06	1.05	1.04
Nitrogen Oxide	0.26	0.24	0.23	0.24	0.19	0.20	0.21	0.22	0.22	0.22	0.22	0.22	0.21

Table 62. Electric Power Projections for EMM Region
Mid-Atlantic Area Council

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electricity Generating Capacity 1/														
(gigawatts)														
Coal Steam	20.18	20.18	20.18	20.18	20.18	20.59	20.59	20.59	20.59	20.59	20.59	21.23	21.23	0.3%
Other Fossil Steam 2/	8.38	8.38	8.38	8.38	8.38	8.38	8.38	8.38	8.18	8.18	8.18	8.18	8.18	-0.1%
Combined Cycle	12.64	13.38	13.39	14.48	14.51	15.50	15.50	16.65	16.65	18.09	18.09	19.49	19.49	5.2%
Combustion Turbine/Diesel	11.71	11.71	11.71	11.71	11.71	11.83	11.83	12.06	12.06	12.33	12.33	12.51	12.51	1.0%
Nuclear Power	13.42	13.42	13.42	13.54	13.54	13.54	13.54	13.54	13.54	13.54	13.54	13.54	13.54	0.2%
Pumped Storage/Other 3/	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	N/A
Fuel Cells	0.17	0.18	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	N/A
Renewable Sources 4/	2.15	2.18	2.20	2.23	2.23	2.23	2.23	2.23	2.23	2.27	2.27	2.35	2.35	0.9%
Distributed Generation 5/	0.53	0.59	0.76	0.91	1.06	1.20	1.24	1.36	1.40	1.53	1.58	1.72	1.77	N/A
Total Capacity	70.49	71.33	71.54	72.93	73.11	74.77	74.81	76.32	76.16	78.03	78.08	80.52	80.57	1.2%
Cumulative Planned Additions 6/														
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	4.70	N/A
Combustion Turbine/Diesel	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	0.17	0.18	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	N/A
Renewable Sources 4/	0.27	0.29	0.32	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	N/A
Distributed Generation 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
Total Planned Additions	6.36	6.40	6.43	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47	6.47	N/A
Cumulative Unplanned Additions 6/														
Coal Steam	0.33	0.33	0.33	0.33	0.33	0.74	0.74	0.74	0.74	0.74	0.74	1.38	1.38	N/A
Other Fossil Steam 2/	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
Combined Cycle	2.16	2.90	2.91	4.00	4.02	5.02	5.02	6.17	6.17	7.60	7.60	9.00	9.00	N/A
Combustion Turbine/Diesel	0.62	0.62	0.62	0.62	0.62	0.74	0.74	0.97	0.97	1.24	1.24	1.42	1.42	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.12	0.12	N/A
Distributed Generation 5/	0.53	0.59	0.76	0.91	1.06	1.20	1.24	1.36	1.40	1.53	1.58	1.72	1.77	N/A
Total Unplanned Additions	3.64	4.44	4.62	5.86	6.04	7.70	7.74	9.24	9.28	11.16	11.21	13.65	13.70	N/A
Cumulative Total Additions	10.00	10.84	11.05	12.33	12.51	14.17	14.21	15.71	15.75	17.63	17.68	20.12	20.17	N/A
Cumulative Retirements 7/														
Coal Steam	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	N/A
Other Fossil Steam 3/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.23	0.23	0.23	0.23	0.23	N/A
Combined Cycle	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
Combustion Turbine/Diesel	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
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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
Total	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.28	0.28	0.28	0.28	0.28	N/A
Combined Heat and Power 8/														
Capacity														
Coal	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.0%
Petroleum	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	0.6%

Table 62. Electric Power Projections for EMM Region
Mid-Atlantic Area Council

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Natural Gas	0.74	0.75	0.77	0.79	0.81	0.83	0.85	0.88	0.91	0.95	0.98	1.02	1.05	2.7%
Other Gaseous Fuels	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.3%
Renewable Sources 4/	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	2.7%
Other	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	N/A
Total	1.08	1.09	1.11	1.13	1.15	1.17	1.20	1.22	1.25	1.29	1.32	1.36	1.39	1.9%
Other End Use Generators	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	2.5%
Electricity Demand (billion kilowatthours)														
Residential	102.26	102.85	103.55	104.47	104.97	105.80	106.71	107.88	108.61	109.67	110.77	112.19	112.98	1.3%
Commercial/Other	142.54	144.86	146.80	148.61	150.37	152.19	154.21	156.41	158.91	161.47	163.95	166.36	168.37	1.9%
Industrial	61.67	62.70	63.29	63.83	64.56	65.25	66.01	66.60	67.19	68.03	68.85	69.74	70.43	1.4%
Transportation	2.45	2.51	2.57	2.63	2.69	2.76	2.83	2.91	2.99	3.07	3.15	3.23	3.30	2.5%
Total Sales	308.92	312.92	316.20	319.54	322.59	325.99	329.76	333.80	337.71	342.24	346.71	351.52	355.08	1.6%
Net Energy for Load (billion kilowatthours) 7/														
Gross International Imports	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
Gross International Exports	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
Gross Interregional Electricity Imports	33.30	33.75	36.46	34.60	37.26	35.81	36.14	33.18	35.24	33.78	36.71	33.88	35.05	2.3%
Gross Interregional Electricity Exports	9.39	10.12	11.67	13.16	13.78	16.90	13.06	11.55	8.29	8.22	6.88	7.00	7.71	-3.2%
Purchases from Combined Heat and Power 8/	2.26	2.33	2.40	2.47	2.54	2.63	2.73	2.83	2.93	3.06	3.18	3.32	3.44	4.5%
Electric Power Sector Generation for Customers	283.83	288.04	290.07	296.70	297.99	305.95	305.81	311.53	310.30	316.39	316.84	324.97	328.08	1.5%
Total Net Energy for Load	310.00	314.00	317.25	320.60	324.01	327.49	331.61	336.00	340.19	345.01	349.85	355.17	358.87	1.8%
Generation by Fuel Type (billion kilowatthours)														
Coal	142.29	142.91	142.98	143.45	143.86	147.47	147.48	147.86	147.87	148.15	148.09	152.48	152.28	1.3%
Petroleum	2.93	2.72	2.78	2.94	2.89	2.83	2.74	2.93	2.93	2.86	2.84	2.86	2.90	-4.3%
Natural Gas	39.03	42.78	44.55	49.74	50.65	55.21	55.08	60.05	58.82	64.51	64.80	67.66	70.69	5.5%
Nuclear	109.74	109.74	109.74	110.70	110.70	110.70	110.70	110.70	110.70	110.70	110.70	110.70	110.70	0.2%
Pumped Storage/Other 3/	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
Renewable Sources 4/	13.43	13.46	13.57	13.50	13.50	13.38	13.39	13.38	13.40	13.46	13.53	13.87	13.94	3.1%
Total Generation	307.42	311.62	313.62	320.32	321.59	329.59	329.38	334.92	333.72	339.69	339.95	347.56	350.51	1.4%
Sales to Customers	303.12	307.32	309.33	316.02	317.30	325.29	325.08	330.62	329.42	335.39	335.66	343.26	346.21	1.4%
Generation for Own Use	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	1.0%
Distributed Generation 5/	0.23	0.26	0.33	0.40	0.46	0.52	0.54	0.60	0.61	0.67	0.69	0.75	0.78	N/A
Combined Heat and Power														
Coal	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.0%
Petroleum	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.66	0.66	0.5%
Natural Gas	4.86	4.97	5.10	5.24	5.38	5.55	5.74	5.97	6.19	6.44	6.69	6.97	7.23	3.4%
Other Gaseous Fuels	0.75	0.75	0.75	0.75	0.75	0.75	0.76	0.77	0.78	0.79	0.80	0.82	0.83	1.4%
Renewable Sources 4/	1.79	1.84	1.88	1.92	1.96	2.01	2.05	2.10	2.14	2.18	2.23	2.28	2.33	2.5%
Other	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.0%
Total	9.31	9.47	9.64	9.82	10.00	10.22	10.47	10.75	11.02	11.33	11.64	12.00	12.31	2.4%
Other End Use Generators	0.21	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.26	1.6%
Sales to Utilities	2.26	2.33	2.40	2.47	2.54	2.63	2.73	2.83	2.93	3.06	3.18	3.32	3.44	4.5%
Generation for Own Use	7.27	7.35	7.46	7.57	7.68	7.82	7.97	8.15	8.32	8.52	8.71	8.93	9.13	1.8%
End-Use Prices (2001 cents per kilowatthour)														

Table 62. Electric Power Projections for EMM Region
Mid-Atlantic Area Council

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	8.3	8.4	8.5	8.5	8.6	8.5	8.6	8.6	8.8	8.7	8.9	8.7	8.9	-0.1%
Commercial	7.0	7.1	7.3	7.2	7.4	7.2	7.4	7.4	7.7	7.5	7.9	7.6	7.8	0.0%
Industrial	5.4	5.5	5.6	5.6	5.7	5.5	5.7	5.7	5.9	5.8	6.0	5.9	6.0	-0.2%
Transportation	6.8	6.8	6.9	6.8	6.8	6.7	6.8	6.7	6.8	6.7	6.8	6.6	6.7	-0.7%
All Sectors Average	7.1	7.2	7.4	7.3	7.4	7.3	7.5	7.4	7.7	7.5	7.8	7.6	7.8	-0.1%
Prices by Service Category														
(2001 cents per kilowatthour)														
Generation	4.2	4.3	4.5	4.4	4.5	4.3	4.5	4.5	4.8	4.6	4.9	4.6	4.9	-0.3%
Transmission	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.2%
Distribution	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.2%
Fuel Consumption (quadrillion Btu) 9/														
Coal	1.42	1.43	1.43	1.43	1.44	1.47	1.47	1.47	1.47	1.47	1.47	1.51	1.50	0.7%
Natural Gas	0.33	0.35	0.36	0.40	0.40	0.43	0.43	0.46	0.45	0.49	0.49	0.51	0.52	4.1%
Oil	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	-2.2%
Total	1.87	1.90	1.92	1.96	1.97	2.03	2.03	2.06	2.05	2.09	2.09	2.13	2.15	1.1%
Emissions (million tons) 10/														
Total Carbon	45.32	45.86	46.09	46.81	47.03	48.33	48.30	48.98	48.86	49.49	49.49	50.67	50.91	1.1%
Carbon Dioxide	166.16	168.15	169.01	171.63	172.44	177.23	177.12	179.58	179.14	181.45	181.46	185.78	186.67	1.1%
Sulfur Dioxide	1.05	1.06	1.06	1.06	1.07	1.07	1.07	1.08	1.08	1.08	1.08	1.08	1.08	-0.1%
Nitrogen Oxide	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.20	-0.8%

Table 62. Electric Power Projections for EMM Region
Mid-Atlantic Area Council

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860, "Annual Electric Generator Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.
2/ Includes oil-, gas-, and dual-fired capacity.
3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
5/ Primarily peak-load capacity fueled by natural gas.
6/ Cumulative additions after December 31, 2001.
7/ Generation to meet system load by source.
8/ Combined heat and power produces electricity and other useful thermal energy (such as steam or heat) through the sequential use of energy.
9/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.
10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).
O&M = Operation and maintenance.
EMM = Electricity market module.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Other 2001 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, July 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 63. Electric Power Projections for EMM Region
Mid-America Interconnected Network

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electricity Generating Capacity 1/													
(gigawatts)													
Coal Steam	28.09	28.09	28.09	28.09	28.09	27.77	27.75	27.68	27.68	27.68	27.68	27.68	27.68
Other Fossil Steam 2/	3.99	3.99	3.99	3.99	3.99	3.99	2.75	2.22	2.22	2.22	2.22	2.22	2.22
Combined Cycle	0.37	1.22	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42
Combustion Turbine/Diesel	8.01	11.46	14.41	14.39	14.39	14.69	13.95	13.15	13.15	13.83	13.93	14.22	14.22
Nuclear Power	13.23	13.23	13.59	13.67	13.74	13.74	13.83	13.83	13.83	13.83	13.83	13.83	13.83
Pumped Storage/Other 3/	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
Fuel Cells	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
Renewable Sources 4/	0.92	1.03	1.05	1.12	1.12	1.18	1.18	1.18	1.19	1.21	1.22	1.24	1.24
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.10	0.15	0.20	0.37	0.42
Total Capacity	55.05	59.46	64.00	64.13	64.19	64.27	62.37	60.97	61.03	61.78	61.94	62.43	62.48
Cumulative Planned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
Combustion Turbine/Diesel	0.00	0.00	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.02	0.09	0.09	0.09	0.09	0.09	0.11	0.12	0.14	0.16	0.16
Distributed Generation 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
Total Planned Additions	0.00	0.00	4.19	4.26	4.26	4.26	4.26	4.26	4.27	4.29	4.30	4.32	4.32
Cumulative Unplanned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	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
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.43	0.43	0.43	0.43	1.11	1.20	1.50	1.50
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.10	0.15	0.20	0.37	0.42
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.00	0.53	0.53	0.53	0.58	1.32	1.46	1.93	1.98
Cumulative Total Additions	0.00	0.00	4.19	4.26	4.26	4.79	4.79	4.79	4.85	5.60	5.77	6.25	6.30
Cumulative Retirements 7/													
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.32	0.33	0.41	0.41	0.41	0.41	0.41	0.41
Other Fossil Steam 3/	0.00	0.00	0.00	0.00	0.00	0.00	1.24	1.77	1.77	1.77	1.77	1.77	1.77
Combined Cycle	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
Combustion Turbine/Diesel	0.00	0.00	0.01	0.03	0.03	0.16	0.89	1.69	1.69	1.69	1.69	1.69	1.69
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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	0.00	0.00	0.01	0.03	0.03	0.48	2.47	3.87	3.87	3.87	3.87	3.87	3.87
Combined Heat and Power 8/													
Capacity													
Coal	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Petroleum	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

Table 63. Electric Power Projections for EMM Region
Mid-America Interconnected Network

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Natural Gas	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.24	0.25
Other Gaseous Fuels	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
Renewable Sources 4/	0.21	0.21	0.21	0.22	0.23	0.24	0.24	0.25	0.26	0.27	0.28	0.29	0.30
Other	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	1.25	1.25	1.26	1.27	1.28	1.30	1.31	1.32	1.33	1.35	1.37	1.38	1.40
Other End Use Generators	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07
Electricity Demand													
(billion kilowatthours)													
Residential	72.52	74.03	76.32	78.65	80.19	81.45	82.91	84.58	86.43	87.78	89.17	90.30	91.55
Commercial/Other	78.93	82.31	85.04	84.75	86.54	88.06	89.53	90.97	92.15	93.23	94.16	95.16	96.17
Industrial	79.60	73.42	67.82	71.47	73.47	74.56	76.35	78.60	80.89	82.71	84.90	86.92	88.60
Transportation	1.41	1.43	1.45	1.48	1.51	1.54	1.57	1.61	1.64	1.68	1.71	1.76	1.80
Total Sales	232.46	231.18	230.63	236.36	241.70	245.61	250.35	255.76	261.11	265.40	269.95	274.14	278.12
Net Energy for Load (billion kilowatthours) 7/													
Gross International Imports	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
Gross International Exports	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
Gross Interregional Electricity Imports	17.16	9.46	7.41	6.11	6.54	8.95	8.10	7.66	5.25	7.05	5.74	6.51	5.74
Gross Interregional Electricity Exports	40.88	38.19	35.82	35.72	33.98	34.87	35.05	35.99	36.58	37.48	34.30	32.51	30.56
Purchases from Combined Heat and Power 8/	0.90	0.86	0.96	1.01	1.04	1.09	1.13	1.17	1.22	1.27	1.33	1.38	1.42
Electric Power Sector Generation for Customers	273.21	271.50	271.49	278.65	283.04	285.56	291.28	298.17	306.47	309.93	312.57	314.25	316.88
Total Net Energy for Load	250.39	243.63	244.04	250.03	256.64	260.72	265.46	271.02	276.35	280.77	285.34	289.62	293.47
Generation by Fuel Type													
(billion kilowatthours)													
Coal	154.02	150.75	147.21	153.16	157.94	160.13	166.51	173.27	180.51	183.02	185.73	187.46	189.24
Petroleum	0.85	2.18	0.13	0.20	0.19	0.16	0.16	0.16	0.18	0.18	0.19	0.18	0.19
Natural Gas	5.71	5.33	12.06	12.03	10.03	9.65	8.16	8.22	9.22	9.93	9.93	9.71	10.70
Nuclear	110.94	112.25	111.67	112.46	113.02	113.06	113.80	113.83	113.86	113.88	113.88	113.88	113.88
Pumped Storage/Other 3/	-0.15	-0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewable Sources 4/	3.88	3.91	4.50	4.84	4.95	5.63	5.71	5.77	5.91	6.11	6.17	6.29	6.31
Total Generation	275.25	274.21	275.57	282.70	286.13	288.62	294.33	301.25	309.68	313.11	315.91	317.52	320.32
Sales to Customers	274.60	272.75	273.42	280.55	283.99	286.48	292.19	299.11	307.54	310.97	313.77	315.38	318.18
Generation for Own Use	0.65	1.46	2.16	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.04	0.06	0.09	0.16	0.19
Combined Heat and Power													
Coal	3.66	3.65	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66
Petroleum	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Natural Gas	1.35	1.34	1.45	1.49	1.54	1.59	1.65	1.71	1.76	1.82	1.86	1.91	1.95
Other Gaseous Fuels	0.11	0.10	0.10	0.10	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Renewable Sources 4/	1.34	1.34	1.33	1.39	1.43	1.47	1.49	1.53	1.57	1.63	1.70	1.76	1.81
Other	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Total	7.00	6.98	7.09	7.20	7.31	7.40	7.48	7.58	7.67	7.78	7.90	8.00	8.10
Other End Use Generators	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.21	0.22	0.22	0.22
Sales to Utilities	0.90	0.86	0.96	1.01	1.04	1.09	1.13	1.17	1.22	1.27	1.33	1.38	1.42
Generation for Own Use	6.28	6.30	6.32	6.38	6.45	6.50	6.55	6.60	6.66	6.72	6.79	6.85	6.90
End-Use Prices													
(2001 cents per kilowatthour)													

Table 63. Electric Power Projections for EMM Region
Mid-America Interconnected Network

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	8.1	7.9	7.5	7.5	7.6	7.6	7.5	7.4	7.4	7.3	7.4	7.4	7.5
Commercial	6.7	6.6	6.4	6.3	6.3	6.2	6.0	5.9	5.9	5.9	6.0	6.0	6.1
Industrial	4.4	4.3	4.0	4.2	4.2	4.2	4.1	4.0	4.1	4.1	4.1	4.0	4.0
Transportation	6.8	6.5	5.9	6.2	6.2	6.2	6.0	5.9	5.9	5.9	6.0	5.9	5.9
All Sectors Average	6.4	6.3	6.0	6.1	6.1	6.1	5.9	5.8	5.8	5.8	5.9	5.9	5.9
Prices by Service Category													
(2001 cents per kilowatthour)													
Generation	3.6	3.7	3.6	3.6	3.6	3.5	3.4	3.3	3.4	3.4	3.5	3.5	3.5
Transmission	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
Distribution	2.3	2.2	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0
Fuel Consumption (quadrillion Btu) 9/													
Coal	1.66	1.63	1.55	1.62	1.67	1.68	1.75	1.82	1.90	1.93	1.97	1.99	2.01
Natural Gas	0.07	0.06	0.11	0.11	0.09	0.09	0.07	0.07	0.08	0.09	0.09	0.09	0.09
Oil	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Total	1.75	1.73	1.68	1.75	1.77	1.79	1.84	1.91	2.00	2.04	2.07	2.09	2.12
Emissions (million tons) 10/													
Total Carbon	48.98	48.91	45.80	47.71	48.92	49.33	51.01	53.18	55.89	56.83	57.88	58.47	59.20
Carbon Dioxide	179.59	179.35	167.94	174.95	179.37	180.88	187.05	195.00	204.91	208.38	212.22	214.40	217.07
Sulfur Dioxide	0.97	0.90	1.10	1.14	1.03	1.17	1.14	1.13	0.85	0.79	0.74	0.73	0.72
Nitrogen Oxide	0.40	0.38	0.32	0.34	0.29	0.30	0.31	0.32	0.34	0.34	0.35	0.35	0.36

Table 63. Electric Power Projections for EMM Region
Mid-America Interconnected Network

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electricity Generating Capacity 1/														
(gigawatts)														
Coal Steam	27.68	27.68	27.68	27.68	27.68	27.17	27.17	27.17	26.63	26.63	26.63	26.63	26.63	-0.2%
Other Fossil Steam 2/	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	-2.4%
Combined Cycle	2.45	2.45	2.45	2.45	2.80	3.58	4.19	4.77	5.02	5.79	6.43	7.00	7.49	7.9%
Combustion Turbine/Diesel	14.22	14.22	14.22	14.22	14.22	14.53	14.77	15.01	16.19	16.38	16.48	16.63	16.76	1.6%
Nuclear Power	13.83	13.83	13.83	13.83	13.83	13.83	13.83	13.83	13.83	13.83	13.83	13.83	13.83	0.2%
Pumped Storage/Other 3/	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	N/A
Fuel Cells	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
Renewable Sources 4/	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	0.8%
Distributed Generation 5/	0.57	0.62	0.66	0.70	0.82	0.95	1.07	1.20	1.33	1.47	1.61	1.75	1.89	N/A
Total Capacity	62.65	62.69	62.73	62.77	63.25	63.95	64.93	65.88	66.89	67.99	68.87	69.73	70.50	0.7%
Cumulative Planned Additions 6/														
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	N/A
Combustion Turbine/Diesel	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	N/A
Distributed Generation 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
Total Planned Additions	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	N/A
Cumulative Unplanned Additions 6/														
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.27	0.27	0.27	0.49	0.49	0.49	0.49	0.49	N/A
Other Fossil Steam 2/	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
Combined Cycle	0.02	0.02	0.02	0.02	0.38	1.15	1.77	2.35	2.59	3.37	4.01	4.57	5.07	N/A
Combustion Turbine/Diesel	1.50	1.50	1.50	1.50	1.50	1.80	2.04	2.28	3.47	3.65	3.75	3.90	4.03	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	N/A
Distributed Generation 5/	0.57	0.62	0.66	0.70	0.82	0.95	1.07	1.20	1.33	1.47	1.61	1.75	1.89	N/A
Total Unplanned Additions	2.15	2.20	2.24	2.28	2.75	4.23	5.21	6.15	7.93	9.03	9.91	10.77	11.54	N/A
Cumulative Total Additions	6.47	6.51	6.56	6.60	7.07	8.55	9.52	10.47	12.25	13.35	14.23	15.09	15.86	N/A
Cumulative Retirements 7/														
Coal Steam	0.41	0.41	0.41	0.41	0.41	1.18	1.18	1.18	1.95	1.95	1.95	1.95	1.95	N/A
Other Fossil Steam 3/	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	N/A
Combined Cycle	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
Combustion Turbine/Diesel	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	N/A
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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
Total	3.87	3.87	3.87	3.87	3.87	4.64	4.64	4.64	5.41	5.41	5.41	5.41	5.41	N/A
Combined Heat and Power 8/														
Capacity														
Coal	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.0%
Petroleum	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

Table 63. Electric Power Projections for EMM Region
Mid-America Interconnected Network

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Natural Gas	0.25	0.26	0.26	0.27	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.35	0.36	2.7%
Other Gaseous Fuels	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
Renewable Sources 4/	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.37	0.37	0.38	0.39	0.40	0.41	2.7%
Other	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	N/A
Total	1.41	1.42	1.44	1.45	1.47	1.48	1.50	1.52	1.53	1.55	1.57	1.60	1.62	1.1%
Other End Use Generators	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	2.5%
Electricity Demand														
(billion kilowatthours)														
Residential	92.32	93.39	94.68	95.98	96.93	98.06	99.36	100.74	101.67	102.81	104.18	105.66	106.86	1.5%
Commercial/Other	97.33	98.57	99.93	101.27	102.78	104.30	106.00	107.58	109.39	111.13	113.07	114.84	116.95	1.5%
Industrial	89.97	91.37	92.44	93.29	94.45	95.60	97.06	98.13	99.26	100.74	102.23	103.90	105.38	1.5%
Transportation	1.84	1.88	1.92	1.96	2.01	2.05	2.10	2.16	2.22	2.27	2.33	2.39	2.44	2.3%
Total Sales	281.45	285.20	288.97	292.49	296.16	300.02	304.52	308.61	312.53	316.95	321.81	326.78	331.64	1.5%
Net Energy for Load (billion kilowatthours) 7/														
Gross International Imports	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
Gross International Exports	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
Gross Interregional Electricity Imports	5.76	6.25	7.17	6.97	6.85	7.09	7.07	7.51	9.79	9.50	11.54	13.03	16.82	2.4%
Gross Interregional Electricity Exports	28.42	25.90	22.44	19.88	17.78	14.59	13.16	12.71	11.01	9.62	9.02	8.56	7.19	-6.7%
Purchases from Combined Heat and Power 8/	1.46	1.50	1.54	1.58	1.62	1.67	1.72	1.77	1.82	1.88	1.93	2.00	2.06	3.7%
Electric Power Sector Generation for Customers	318.11	318.89	318.35	319.65	320.93	321.39	324.65	328.05	328.37	331.74	334.07	337.33	337.09	0.9%
Total Net Energy for Load	296.92	300.75	304.63	308.32	311.62	315.56	320.28	324.61	328.96	333.49	338.53	343.80	348.79	1.5%
Generation by Fuel Type														
(billion kilowatthours)														
Coal	190.29	190.95	190.66	191.04	191.28	188.53	189.37	190.25	187.60	187.43	187.74	188.08	188.05	0.9%
Petroleum	0.20	0.20	0.20	0.21	0.21	0.21	0.22	0.25	0.26	0.26	0.26	0.26	0.26	-8.4%
Natural Gas	10.75	10.84	10.59	11.55	12.60	15.76	18.16	20.62	23.63	27.21	29.21	32.06	32.06	7.8%
Nuclear	113.88	113.88	113.88	113.88	113.88	113.88	113.88	113.88	113.88	113.88	113.88	113.88	113.88	0.1%
Pumped Storage/Other 3/	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
Renewable Sources 4/	6.31	6.32	6.29	6.29	6.28	6.28	6.26	6.20	6.18	6.15	6.15	6.12	6.08	1.9%
Total Generation	321.43	322.20	321.63	322.98	324.25	324.67	327.89	331.21	331.55	334.94	337.24	340.41	340.34	0.9%
Sales to Customers	319.29	320.05	319.49	320.83	322.10	322.52	325.74	329.07	329.40	332.80	335.10	338.27	338.20	0.9%
Generation for Own Use	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	1.6%
Distributed Generation 5/	0.25	0.27	0.29	0.31	0.36	0.41	0.47	0.52	0.58	0.64	0.70	0.77	0.83	N/A
Combined Heat and Power														
Coal	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	0.0%
Petroleum	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.5%
Natural Gas	1.99	2.04	2.09	2.15	2.21	2.28	2.36	2.45	2.54	2.64	2.74	2.86	2.96	3.4%
Other Gaseous Fuels	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	1.4%
Renewable Sources 4/	1.86	1.91	1.95	1.99	2.03	2.08	2.13	2.17	2.21	2.26	2.31	2.36	2.41	2.5%
Other	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.0%
Total	8.19	8.28	8.38	8.48	8.58	8.69	8.82	8.96	9.09	9.25	9.40	9.57	9.73	1.4%
Other End Use Generators	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.24	0.25	0.25	0.26	0.26	0.27	1.6%
Sales to Utilities	1.46	1.50	1.54	1.58	1.62	1.67	1.72	1.77	1.82	1.88	1.93	2.00	2.06	3.7%
Generation for Own Use	6.95	7.00	7.06	7.12	7.19	7.26	7.34	7.43	7.52	7.62	7.72	7.83	7.93	1.0%
End-Use Prices														
(2001 cents per kilowatthour)														

Table 63. Electric Power Projections for EMM Region
Mid-America Interconnected Network

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.6	7.6	7.6	-0.1%
Commercial	6.1	6.1	6.2	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.5	6.5	6.6	0.0%
Industrial	4.1	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.4	4.4	4.5	0.2%
Transportation	5.9	5.9	5.8	5.9	5.8	5.8	5.7	5.7	5.7	5.6	5.7	5.6	5.6	-0.6%
All Sectors Average	5.9	5.9	5.9	6.0	6.0	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.2	0.0%
Prices by Service Category														
(2001 cents per kilowatthour)														
Generation	3.6	3.6	3.6	3.7	3.7	3.8	3.8	3.8	3.9	3.9	3.9	4.0	4.0	0.3%
Transmission	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	-0.1%
Distribution	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	-0.7%
Fuel Consumption (quadrillion Btu) 9/														
Coal	2.02	2.03	2.02	2.03	2.03	2.00	2.01	2.02	1.99	1.98	1.99	1.99	1.99	0.8%
Natural Gas	0.10	0.10	0.09	0.10	0.11	0.13	0.15	0.16	0.18	0.21	0.22	0.24	0.24	5.7%
Oil	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	-1.0%
Total	2.14	2.15	2.14	2.15	2.16	2.15	2.17	2.20	2.19	2.21	2.23	2.25	2.25	1.1%
Emissions (million tons) 10/														
Total Carbon	59.60	59.85	59.72	59.98	60.17	59.57	60.09	60.68	60.15	60.46	60.78	61.19	61.17	0.9%
Carbon Dioxide	218.55	219.46	218.96	219.91	220.61	218.44	220.35	222.49	220.56	221.67	222.85	224.37	224.28	0.9%
Sulfur Dioxide	0.73	0.73	0.73	0.73	0.73	0.68	0.68	0.68	0.67	0.67	0.67	0.67	0.67	-1.2%
Nitrogen Oxide	0.36	0.36	0.36	0.36	0.36	0.35	0.35	0.35	0.34	0.34	0.34	0.34	0.34	-0.4%

Table 63. Electric Power Projections for EMM Region
Mid-America Interconnected Network

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860, "Annual Electric Generator Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.
2/ Includes oil-, gas-, and dual-fired capacity.
3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
5/ Primarily peak-load capacity fueled by natural gas.
6/ Cumulative additions after December 31, 2001.
7/ Generation to meet system load by source.
8/ Combined heat and power produces electricity and other useful thermal energy (such as steam or heat) through the sequential use of energy.
9/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.
10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).
O&M = Operation and maintenance.
EMM = Electricity market module.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Other 2001 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, July 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 64. Electric Power Projections for EMM Region
Mid-Continent Area Power Pool

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electricity Generating Capacity 1/													
(gigawatts)													
Coal Steam	20.37	20.38	20.30	20.30	20.30	20.30	20.27	20.55	20.55	21.00	21.85	22.57	22.57
Other Fossil Steam 2/	0.58	0.57	0.56	0.56	0.56	0.56	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Combined Cycle	0.39	1.28	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.57	1.72
Combustion Turbine/Diesel	5.42	6.58	6.72	7.09	7.09	7.09	7.01	7.01	7.30	7.57	7.57	7.52	7.52
Nuclear Power	3.78	3.78	3.87	3.87	3.88	3.88	3.88	3.88	3.88	3.88	3.88	3.88	3.88
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	3.95	4.08	4.34	4.51	4.58	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.05	0.09	0.12	0.16	0.20
Total Capacity	34.50	36.68	37.22	37.76	37.85	37.91	37.51	37.80	38.12	38.87	39.76	40.61	40.80
Cumulative Planned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Combustion Turbine/Diesel	0.00	0.00	0.14	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.24	0.42	0.49	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
Distributed Generation 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
Total Planned Additions	0.00	0.00	0.53	1.08	1.15	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
Cumulative Unplanned Additions 6/													
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.28	0.73	1.58	2.31	2.31
Other Fossil Steam 2/	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
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.29
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.55	0.55	0.55	0.55
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	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
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.05	0.09	0.12	0.16	0.20
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.31	0.63	1.38	2.26	3.16	3.35
Cumulative Total Additions	0.00	0.00	0.53	1.08	1.15	1.21	1.21	1.51	1.83	2.57	3.46	4.35	4.54
Cumulative Retirements 7/													
Coal Steam	0.00	0.00	0.08	0.08	0.08	0.08	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Other Fossil Steam 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.29	0.29	0.29	0.29	0.29	0.29
Combined Cycle	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
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.08	0.08	0.08	0.12	0.12
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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	0.00	0.00	0.08	0.08	0.08	0.08	0.48	0.48	0.48	0.48	0.48	0.52	0.52
Combined Heat and Power 8/													
Capacity													
Coal	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
Petroleum	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

Table 64. Electric Power Projections for EMM Region
Mid-Continent Area Power Pool

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Natural Gas	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07
Other Gaseous Fuels	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
Renewable Sources 4/	0.15	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.20	0.21	0.21
Other	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	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.87	0.88	0.89	0.90	0.91	0.91
Other End Use Generators	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05
Electricity Demand (billion kilowatthours)													
Residential	50.02	50.91	53.94	55.84	56.80	57.55	58.52	59.64	60.92	61.74	62.66	63.47	64.53
Commercial/Other	41.79	43.40	45.92	46.36	47.42	48.36	49.29	50.24	51.11	51.88	52.63	53.42	54.40
Industrial	60.18	55.54	53.23	56.11	57.72	58.60	60.00	61.78	63.58	65.02	66.73	68.31	69.61
Transportation	0.87	0.89	0.94	0.96	0.98	1.00	1.02	1.04	1.07	1.09	1.12	1.15	1.18
Total Sales	152.87	150.74	154.02	159.26	162.92	165.51	168.84	172.70	176.67	179.73	183.13	186.35	189.71
Net Energy for Load (billion kilowatthours) 7/													
Gross International Imports	10.61	10.39	9.27	9.69	9.86	9.30	5.37	6.28	6.18	5.91	6.48	6.35	7.06
Gross International Exports	0.65	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gross Interregional Electricity Imports	6.72	3.72	2.58	2.62	2.28	2.18	2.33	2.16	2.28	2.48	2.12	1.84	1.97
Gross Interregional Electricity Exports	19.36	16.20	12.22	12.22	13.36	14.51	11.90	15.04	14.36	15.36	18.74	20.93	19.27
Purchases from Combined Heat and Power 8/	0.62	0.60	0.64	0.68	0.71	0.74	0.76	0.79	0.82	0.86	0.90	0.94	0.97
Electric Power Sector Generation for Customers	164.11	159.65	166.89	171.95	177.17	181.62	186.16	192.53	196.00	200.17	206.81	212.59	213.52
Total Net Energy for Load	162.06	156.67	167.16	172.72	176.66	179.33	182.73	186.72	190.93	194.07	197.56	200.80	204.26
Generation by Fuel Type (billion kilowatthours)													
Coal	121.97	122.43	118.63	122.20	127.22	131.49	135.83	142.30	144.71	148.71	155.41	160.88	161.16
Petroleum	0.71	0.82	0.18	0.23	0.19	0.19	0.20	0.21	0.25	0.30	0.31	0.29	0.31
Natural Gas	1.89	2.33	3.38	2.54	1.77	1.55	1.68	1.54	2.56	2.67	2.59	2.91	3.58
Nuclear	26.04	24.37	29.41	29.41	29.54	29.54	29.54	29.54	29.54	29.54	29.54	29.54	29.54
Pumped Storage/Other 3/	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
Renewable Sources 4/	14.35	10.89	16.26	18.56	19.31	19.71	19.79	19.80	19.80	19.79	19.78	19.78	19.77
Total Generation	164.95	160.83	167.86	172.94	178.03	182.48	187.03	193.39	196.86	201.01	207.64	213.40	214.36
Sales to Customers	164.84	160.38	167.28	172.36	177.45	181.90	186.45	192.81	196.28	200.43	207.06	212.82	213.78
Generation for Own Use	0.11	0.46	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.05	0.07	0.09
Combined Heat and Power													
Coal	3.26	3.25	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26
Petroleum	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Natural Gas	0.44	0.44	0.47	0.49	0.50	0.52	0.54	0.56	0.58	0.59	0.61	0.62	0.64
Other Gaseous Fuels	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Renewable Sources 4/	1.42	1.42	1.41	1.47	1.52	1.55	1.58	1.62	1.67	1.72	1.80	1.86	1.92
Other	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Total	5.36	5.34	5.38	5.45	5.53	5.58	5.63	5.69	5.75	5.83	5.91	5.99	6.06
Other End Use Generators	0.19	0.19	0.20	0.20	0.20	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.23
Sales to Utilities	0.62	0.60	0.64	0.68	0.71	0.74	0.76	0.79	0.82	0.86	0.90	0.94	0.97
Generation for Own Use	4.93	4.93	4.93	4.97	5.02	5.05	5.07	5.11	5.14	5.19	5.24	5.28	5.32
End-Use Prices (2001 cents per kilowatthour)													

Table 64. Electric Power Projections for EMM Region
Mid-Continent Area Power Pool

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	7.6	7.1	7.0	6.9	6.9	7.0	6.8	6.7	6.6	6.7	6.8	6.7	6.7
Commercial	6.3	6.0	6.0	5.8	5.9	5.9	5.7	5.6	5.6	5.6	5.7	5.6	5.6
Industrial	4.3	4.0	3.9	3.9	4.0	4.0	3.9	3.9	3.8	3.9	3.9	3.9	3.9
Transportation	6.5	6.0	5.8	5.8	5.8	5.8	5.7	5.6	5.5	5.5	5.6	5.5	5.4
All Sectors Average	6.0	5.7	5.6	5.5	5.6	5.6	5.5	5.4	5.3	5.3	5.4	5.3	5.3
Prices by Service Category													
(2001 cents per kilowatthour)													
Generation	3.2	2.9	3.0	2.9	3.0	3.0	2.9	2.8	2.8	2.8	2.9	2.9	2.8
Transmission	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Distribution	2.1	2.0	2.0	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8
Fuel Consumption (quadrillion Btu) 9/													
Coal	1.32	1.34	1.27	1.31	1.36	1.40	1.45	1.52	1.55	1.58	1.64	1.69	1.70
Natural Gas	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.03
Oil	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	1.36	1.37	1.30	1.34	1.38	1.42	1.47	1.54	1.58	1.62	1.68	1.73	1.73
Emissions (million tons) 10/													
Total Carbon	39.28	38.53	37.10	38.13	39.46	40.73	42.10	44.06	45.07	46.21	47.96	49.38	49.58
Carbon Dioxide	144.01	141.29	136.04	139.81	144.68	149.34	154.38	161.54	165.26	169.44	175.86	181.07	181.79
Sulfur Dioxide	0.43	0.42	0.42	0.44	0.44	0.45	0.47	0.46	0.46	0.46	0.46	0.46	0.46
Nitrogen Oxide	0.34	0.32	0.26	0.26	0.27	0.28	0.29	0.30	0.31	0.31	0.32	0.32	0.32

Table 64. Electric Power Projections for EMM Region
Mid-Continent Area Power Pool

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electricity Generating Capacity 1/ (gigawatts)														
Coal Steam	22.57	23.05	23.79	24.17	24.79	25.35	25.90	26.33	26.83	27.50	28.08	28.66	29.24	1.5%
Other Fossil Steam 2/	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	-2.9%
Combined Cycle	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.2%
Combustion Turbine/Diesel	7.52	7.52	7.52	7.52	7.52	7.52	7.52	7.52	7.61	7.61	7.59	7.29	7.29	0.4%
Nuclear Power	3.95	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	0.3%
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	0.5%
Distributed Generation 5/	0.23	0.26	0.30	0.33	0.36	0.39	0.42	0.45	0.48	0.52	0.55	0.58	0.61	N/A
Total Capacity	41.33	41.94	42.70	43.12	43.77	44.36	44.95	45.40	46.02	46.72	47.31	47.63	48.24	1.1%
Cumulative Planned Additions 6/														
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	N/A
Combustion Turbine/Diesel	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	N/A
Distributed Generation 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
Total Planned Additions	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	N/A
Cumulative Unplanned Additions 6/														
Coal Steam	2.31	2.78	3.52	3.91	4.52	5.08	5.63	6.06	6.56	7.23	7.81	8.39	8.98	N/A
Other Fossil Steam 2/	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
Combined Cycle	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	N/A
Combustion Turbine/Diesel	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.64	0.64	0.64	0.64	0.64	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	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
Distributed Generation 5/	0.23	0.26	0.30	0.33	0.36	0.39	0.42	0.45	0.48	0.52	0.55	0.58	0.61	N/A
Total Unplanned Additions	3.80	4.31	5.08	5.50	6.15	6.74	7.32	7.78	8.40	9.10	9.71	10.32	10.94	N/A
Cumulative Total Additions	5.00	5.51	6.28	6.70	7.35	7.94	8.52	8.98	9.59	10.30	10.91	11.52	12.13	N/A
Cumulative Retirements 7/														
Coal Steam	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	N/A
Other Fossil Steam 3/	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	N/A
Combined Cycle	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
Combustion Turbine/Diesel	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.14	0.44	0.44	N/A
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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
Total	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.54	0.84	0.84	N/A
Combined Heat and Power 8/ Capacity														
Coal	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.0%
Petroleum	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

Table 64. Electric Power Projections for EMM Region
Mid-Continent Area Power Pool

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Natural Gas	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.10	0.10	2.7%
Other Gaseous Fuels	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
Renewable Sources 4/	0.22	0.22	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.28	0.28	0.29	2.7%
Other	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
Total	0.92	0.93	0.94	0.94	0.95	0.96	0.97	0.97	0.98	0.99	1.00	1.01	1.02	0.8%
Other End Use Generators	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.07	2.5%
Electricity Demand (billion kilowatthours)														
Residential	65.22	66.10	67.06	68.11	68.80	69.71	70.68	71.83	72.54	73.48	74.45	75.66	76.56	1.7%
Commercial/Other	55.42	56.48	57.54	58.60	59.66	60.73	61.80	62.80	63.74	64.62	65.39	66.05	66.70	1.8%
Industrial	70.67	71.76	72.60	73.25	74.15	75.05	76.19	77.02	77.89	79.05	80.21	81.53	82.69	1.7%
Transportation	1.20	1.23	1.26	1.29	1.32	1.36	1.39	1.43	1.47	1.51	1.55	1.59	1.63	2.6%
Total Sales	192.50	195.58	198.46	201.25	203.94	206.85	210.07	213.08	215.65	218.66	221.61	224.83	227.58	1.7%
Net Energy for Load (billion kilowatthours) 7/														
Gross International Imports	6.82	6.74	6.52	6.56	6.32	5.68	5.15	5.01	4.90	4.15	3.79	4.02	3.72	-4.2%
Gross International Exports	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
Gross Interregional Electricity Imports	2.08	1.77	1.42	1.32	1.21	1.06	0.87	0.93	0.75	0.67	0.68	0.56	0.62	-7.2%
Gross Interregional Electricity Exports	18.89	19.71	21.00	21.37	22.39	24.01	23.98	24.39	25.40	26.37	27.06	28.03	28.30	2.4%
Purchases from Combined Heat and Power 8/	1.01	1.04	1.06	1.09	1.11	1.14	1.17	1.20	1.23	1.26	1.30	1.34	1.37	3.5%
Electric Power Sector Generation for Customers	216.34	220.61	225.36	228.72	233.17	238.54	242.68	246.30	250.31	255.27	259.41	263.67	267.20	2.2%
Total Net Energy for Load	207.36	210.46	213.36	216.31	219.41	222.41	225.88	229.04	231.79	234.98	238.13	241.55	244.62	1.9%
Generation by Fuel Type (billion kilowatthours)														
Coal	161.46	165.04	170.24	173.25	177.67	182.97	187.10	190.33	194.10	198.98	203.22	207.54	211.57	2.3%
Petroleum	0.30	0.27	0.27	0.28	0.28	0.30	0.32	0.33	0.35	0.33	0.35	0.34	0.32	-3.9%
Natural Gas	4.83	4.69	4.18	4.48	4.40	4.49	4.38	4.76	4.93	5.04	4.90	4.84	4.23	2.5%
Nuclear	30.76	31.61	31.66	31.71	31.76	31.82	31.87	31.92	31.94	31.94	31.94	31.94	31.94	1.1%
Pumped Storage/Other 3/	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
Renewable Sources 4/	19.76	19.76	19.75	19.75	19.74	19.73	19.72	19.71	19.71	19.71	19.71	19.71	19.70	2.5%
Total Generation	217.12	221.37	226.11	229.47	233.86	239.30	243.39	247.05	251.04	256.00	260.13	264.37	267.76	2.1%
Sales to Customers	216.54	220.79	225.53	228.89	233.28	238.73	242.81	246.48	250.47	255.42	259.55	263.79	267.18	2.1%
Generation for Own Use	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	1.0%
Distributed Generation 5/	0.10	0.11	0.13	0.14	0.16	0.17	0.19	0.20	0.21	0.23	0.24	0.25	0.27	N/A
Combined Heat and Power														
Coal	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26	0.0%
Petroleum	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	0.5%
Natural Gas	0.65	0.67	0.68	0.70	0.72	0.75	0.77	0.80	0.83	0.86	0.90	0.94	0.97	3.4%
Other Gaseous Fuels	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	1.4%
Renewable Sources 4/	1.97	2.02	2.07	2.11	2.15	2.20	2.25	2.30	2.34	2.39	2.44	2.50	2.55	2.5%
Other	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.0%
Total	6.13	6.19	6.26	6.32	6.38	6.45	6.53	6.61	6.68	6.77	6.85	6.95	7.03	1.2%
Other End Use Generators	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.27	0.27	0.28	0.28	1.6%
Sales to Utilities	1.01	1.04	1.06	1.09	1.11	1.14	1.17	1.20	1.23	1.26	1.30	1.34	1.37	3.5%
Generation for Own Use	5.35	5.39	5.43	5.47	5.51	5.56	5.61	5.66	5.71	5.77	5.83	5.89	5.95	0.8%
End-Use Prices (2001 cents per kilowatthour)														

Table 64. Electric Power Projections for EMM Region
Mid-Continent Area Power Pool

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	6.6	6.6	6.6	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	-0.4%
Commercial	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.6	-0.3%
Industrial	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	-0.2%
Transportation	5.3	5.3	5.2	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.9	4.9	4.9	-0.9%
All Sectors Average	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.3	5.3	-0.3%
Prices by Service Category														
(2001 cents per kilowatthour)														
Generation	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	3.0	0.0%
Transmission	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	-0.3%
Distribution	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	-0.8%
Fuel Consumption (quadrillion Btu) 9/														
Coal	1.70	1.73	1.78	1.80	1.84	1.89	1.93	1.96	1.99	2.03	2.07	2.10	2.14	2.0%
Natural Gas	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.9%
Oil	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	-1.2%
Total	1.75	1.78	1.82	1.84	1.88	1.94	1.97	2.00	2.04	2.08	2.11	2.15	2.18	1.9%
Emissions (million tons) 10/														
Total Carbon	49.83	50.71	51.92	52.73	53.82	55.35	56.37	57.26	58.24	59.44	60.49	61.56	62.44	2.0%
Carbon Dioxide	182.70	185.94	190.36	193.36	197.36	202.96	206.70	209.95	213.53	217.95	221.80	225.70	228.94	2.0%
Sulfur Dioxide	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.4%
Nitrogen Oxide	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.34	0.35	0.4%

Table 64. Electric Power Projections for EMM Region
Mid-Continent Area Power Pool

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860, "Annual Electric Generator Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.
2/ Includes oil-, gas-, and dual-fired capacity.
3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
5/ Primarily peak-load capacity fueled by natural gas.
6/ Cumulative additions after December 31, 2001.
7/ Generation to meet system load by source.
8/ Combined heat and power produces electricity and other useful thermal energy (such as steam or heat) through the sequential use of energy.
9/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.
10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).
O&M = Operation and maintenance.
EMM = Electricity market module.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Other 2001 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, July 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 65. Electric Power Projections for EMM Region
Northeast Power Coordinating Council/New York

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electricity Generating Capacity 1/													
(gigawatts)													
Coal Steam	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74
Other Fossil Steam 2/	12.44	12.44	12.44	12.44	12.44	11.33	10.13	10.13	9.62	9.62	8.80	8.80	8.21
Combined Cycle	4.01	4.01	4.01	4.22	4.22	5.58	5.58	7.02	7.02	8.18	8.18	9.51	9.51
Combustion Turbine/Diesel	3.70	4.05	4.59	4.59	4.59	4.31	4.31	4.31	4.26	4.26	4.26	4.26	4.26
Nuclear Power	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.06	5.06	5.06	5.06	5.06	5.06
Pumped Storage/Other 3/	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
Fuel Cells	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
Renewable Sources 4/	4.60	4.70	4.86	5.25	5.32	5.48	5.62	5.62	5.62	5.62	5.62	5.62	5.62
Distributed Generation 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
Total Capacity	34.82	35.27	35.97	36.57	36.65	36.76	35.71	37.17	36.60	37.75	36.93	38.27	37.68
Cumulative Planned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	0.00	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Combustion Turbine/Diesel	0.00	0.00	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.02	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
Distributed Generation 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
Total Planned Additions	0.00	0.00	0.56	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
Cumulative Unplanned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	0.00	0.00	0.00	1.35	1.35	2.80	2.80	3.95	3.95	5.29	5.29
Combustion Turbine/Diesel	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
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Distributed Generation 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
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.00	1.43	1.43	2.88	2.88	4.03	4.03	5.37	5.37
Cumulative Total Additions	0.00	0.00	0.56	1.09	1.09	2.52	2.52	3.97	3.97	5.12	5.12	6.46	6.46
Cumulative Retirements 7/													
Coal Steam	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 Fossil Steam 3/	0.00	0.00	0.00	0.00	0.00	1.11	2.31	2.31	2.82	2.82	3.65	3.65	4.23
Combined Cycle	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
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.28	0.28	0.28	0.33	0.33	0.33	0.33	0.33
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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	0.00	0.00	0.00	0.00	0.00	1.39	2.59	2.59	3.15	3.15	3.98	3.98	4.56
Combined Heat and Power 8/													
Capacity													
Coal	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Petroleum	0.20	0.20	0.20	0.20	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22

Table 65. Electric Power Projections for EMM Region
Northeast Power Coordinating Council/New York

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Natural Gas	0.25	0.25	0.26	0.27	0.27	0.28	0.29	0.29	0.30	0.31	0.32	0.32	0.33
Other Gaseous Fuels	0.47	0.47	0.47	0.47	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48
Renewable Sources 4/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
Other	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	1.14	1.14	1.15	1.16	1.20	1.20	1.21	1.22	1.23	1.24	1.25	1.25	1.26
Other End Use Generators	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 Demand													
(billion kilowatthours)													
Residential	44.48	44.85	44.54	46.07	46.87	47.45	48.15	48.93	49.63	49.85	49.94	49.92	49.97
Commercial/Other	68.02	71.14	71.07	70.80	72.55	74.12	75.75	77.44	78.85	80.16	81.21	82.37	83.26
Industrial	26.89	24.91	22.46	23.56	23.82	24.15	24.46	25.30	25.92	26.56	27.23	27.93	28.48
Transportation	1.24	1.27	1.26	1.28	1.30	1.33	1.35	1.38	1.40	1.43	1.46	1.49	1.53
Total Sales	140.63	142.17	139.33	141.71	144.53	147.04	149.71	153.04	155.80	158.00	159.85	161.71	163.24
Net Energy for Load (billion kilowatthours) 7/													
Gross International Imports	9.70	11.85	18.66	19.28	19.52	20.17	20.31	20.35	20.37	20.11	20.78	20.44	19.67
Gross International Exports	0.87	4.08	1.47	1.49	1.50	1.51	1.52	1.53	1.54	1.56	1.57	1.56	1.56
Gross Interregional Electricity Imports	20.04	17.20	22.11	21.69	22.62	17.38	18.72	15.56	15.07	12.07	13.00	9.23	9.89
Gross Interregional Electricity Exports	5.86	6.29	7.24	8.13	8.21	9.33	10.12	10.78	10.01	10.15	9.88	10.09	9.68
Purchases from Combined Heat and Power 8/	0.76	0.71	0.80	0.86	0.91	0.96	1.00	1.05	1.10	1.17	1.23	1.29	1.34
Electric Power Sector Generation for Customers	113.73	120.59	101.11	104.98	105.60	114.90	116.92	125.23	126.85	132.74	132.83	139.73	140.10
Total Net Energy for Load	137.50	139.98	133.97	137.19	138.94	142.58	145.31	149.88	151.85	154.38	156.40	159.04	159.75
Generation by Fuel Type													
(billion kilowatthours)													
Coal	24.16	22.71	23.84	24.05	24.39	24.82	25.86	26.08	26.00	25.96	25.91	25.60	25.62
Petroleum	14.71	16.35	11.17	7.54	7.37	7.31	7.41	7.31	7.37	7.72	8.41	8.84	9.23
Natural Gas	38.60	37.60	28.78	31.76	32.61	39.57	39.65	45.24	47.70	52.88	52.14	57.99	58.65
Nuclear	31.51	40.39	38.37	38.44	38.51	38.58	38.66	39.29	39.42	39.52	39.58	39.64	39.70
Pumped Storage/Other 3/	-0.64	-0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewable Sources 4/	27.01	25.19	17.15	20.55	21.39	22.13	22.86	23.63	23.62	23.57	23.61	23.61	23.66
Total Generation	135.35	141.69	119.31	122.34	124.28	132.42	134.43	141.54	144.11	149.65	149.64	155.67	156.86
Sales to Customers	134.28	140.27	117.18	120.21	122.14	130.28	132.30	139.40	141.97	147.51	147.50	153.53	154.72
Generation for Own Use	1.07	1.42	2.13	2.13	2.13	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14
Distributed Generation 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
Combined Heat and Power													
Coal	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Petroleum	0.35	0.35	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
Natural Gas	1.20	1.20	1.30	1.34	1.38	1.43	1.48	1.53	1.58	1.63	1.67	1.71	1.75
Other Gaseous Fuels	0.37	0.35	0.37	0.37	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
Renewable Sources 4/	1.80	1.80	1.78	1.86	1.92	1.96	2.00	2.05	2.11	2.18	2.27	2.35	2.42
Other	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Total	4.67	4.64	4.76	4.88	5.05	5.15	5.24	5.34	5.44	5.57	5.70	5.82	5.93
Other End Use Generators	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.29	0.29	0.29
Sales to Utilities	0.76	0.71	0.80	0.86	0.91	0.96	1.00	1.05	1.10	1.17	1.23	1.29	1.34
Generation for Own Use	4.16	4.17	4.21	4.27	4.39	4.45	4.50	4.55	4.61	4.69	4.76	4.83	4.89
End-Use Prices													
(2001 cents per kilowatthour)													

Table 65. Electric Power Projections for EMM Region
Northeast Power Coordinating Council/New York

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	13.5	14.6	12.9	12.4	12.0	11.6	11.2	10.8	10.8	10.8	11.2	11.3	11.5
Commercial	11.5	11.4	10.4	9.7	9.3	8.7	8.4	7.8	7.9	7.7	8.1	7.9	8.2
Industrial	5.2	5.3	4.6	4.8	4.7	4.5	4.4	4.3	4.5	4.4	4.7	4.7	4.9
Transportation	11.9	11.2	9.7	9.7	9.3	8.9	8.6	8.2	8.2	8.1	8.4	8.3	8.4
All Sectors Average	10.9	11.3	10.3	9.8	9.4	9.0	8.6	8.2	8.3	8.1	8.5	8.4	8.7
Prices by Service Category													
(2001 cents per kilowatthour)													
Generation	6.3	6.8	5.9	5.3	4.9	4.4	4.0	3.6	3.7	3.5	3.9	3.8	4.0
Transmission	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Distribution	3.2	3.1	3.0	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Fuel Consumption (quadrillion Btu) 9/													
Coal	0.27	0.26	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Natural Gas	0.38	0.37	0.28	0.31	0.31	0.36	0.36	0.40	0.42	0.45	0.44	0.47	0.48
Oil	0.33	0.34	0.27	0.22	0.23	0.22	0.22	0.21	0.22	0.22	0.23	0.23	0.24
Total	0.98	0.97	0.79	0.77	0.79	0.83	0.85	0.87	0.90	0.93	0.93	0.96	0.97
Emissions (million tons) 10/													
Total Carbon	15.93	17.54	13.92	13.57	13.68	14.52	14.90	15.52	15.82	16.39	16.43	16.99	17.15
Carbon Dioxide	58.40	64.31	51.05	49.77	50.16	53.25	54.62	56.89	57.99	60.09	60.24	62.29	62.89
Sulfur Dioxide	0.31	0.33	0.29	0.26	0.26	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.29
Nitrogen Oxide	0.09	0.08	0.07	0.07	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07

Table 65. Electric Power Projections for EMM Region
Northeast Power Coordinating Council/New York

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electricity Generating Capacity 1/														
(gigawatts)														
Coal Steam	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	0.0%
Other Fossil Steam 2/	8.21	7.63	7.63	7.39	7.39	7.39	7.39	7.39	7.39	7.39	7.39	7.39	7.39	-2.1%
Combined Cycle	10.17	10.17	10.61	10.61	10.75	10.75	12.37	12.80	14.23	14.40	15.94	15.94	15.94	5.9%
Combustion Turbine/Diesel	4.26	4.26	4.26	3.98	3.98	3.42	2.32	2.13	2.13	2.13	2.13	2.13	2.13	-2.6%
Nuclear Power	5.06	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	-0.9%
Pumped Storage/Other 3/	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	N/A
Fuel Cells	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
Renewable Sources 4/	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	0.7%
Distributed Generation 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
Total Capacity	38.34	36.78	37.21	36.69	36.84	36.28	36.80	37.04	38.47	38.64	40.19	40.19	40.19	0.5%
Cumulative Planned Additions 6/														
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	N/A
Combustion Turbine/Diesel	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	N/A
Distributed Generation 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
Total Planned Additions	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	N/A
Cumulative Unplanned Additions 6/														
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	5.95	5.95	6.38	6.38	6.53	6.53	8.15	8.58	10.00	10.17	11.72	11.72	11.72	N/A
Combustion Turbine/Diesel	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
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	N/A
Distributed Generation 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
Total Unplanned Additions	6.03	6.03	6.47	6.47	6.61	6.61	8.23	8.66	10.09	10.26	11.80	11.80	11.80	N/A
Cumulative Total Additions	7.12	7.12	7.55	7.55	7.70	7.70	9.32	9.75	11.17	11.35	12.89	12.89	12.89	N/A
Cumulative Retirements 7/														
Coal Steam	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 Fossil Steam 3/	4.23	4.81	4.81	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	N/A
Combined Cycle	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
Combustion Turbine/Diesel	0.33	0.33	0.33	0.61	0.61	1.17	2.27	2.46	2.46	2.46	2.46	2.46	2.46	N/A
Nuclear Power	0.00	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	N/A
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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
Total	4.56	6.12	6.12	6.65	6.65	7.20	8.30	8.49	8.49	8.49	8.49	8.49	8.49	N/A
Combined Heat and Power 8/														
Capacity														
Coal	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.0%
Petroleum	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.6%

Table 65. Electric Power Projections for EMM Region
Northeast Power Coordinating Council/New York

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Natural Gas	0.34	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.42	0.43	0.45	0.46	0.48	2.7%
Other Gaseous Fuels	0.48	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.50	0.50	0.50	0.51	0.3%
Renewable Sources 4/	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	2.7%
Other	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	N/A
Total	1.27	1.27	1.28	1.29	1.30	1.31	1.33	1.35	1.36	1.38	1.40	1.42	1.44	1.0%
Other End Use Generators	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	2.5%
Electricity Demand														
(billion kilowatthours)														
Residential	49.80	49.83	49.92	50.13	50.16	50.37	50.63	51.00	51.21	51.56	51.92	52.41	52.57	0.7%
Commercial/Other	84.12	84.83	85.21	85.42	85.55	85.66	85.93	86.33	87.02	87.73	88.39	88.91	89.01	0.9%
Industrial	28.95	29.43	29.68	29.91	30.23	30.53	30.84	31.08	31.32	31.67	32.02	32.41	32.70	1.1%
Transportation	1.56	1.59	1.62	1.65	1.69	1.73	1.77	1.82	1.86	1.90	1.95	1.99	2.04	2.0%
Total Sales	164.43	165.68	166.42	167.12	167.64	168.28	169.17	170.22	171.40	172.86	174.28	175.72	176.31	0.9%
Net Energy for Load (billion kilowatthours) 7/														
Gross International Imports	17.92	16.28	17.00	16.32	15.14	13.30	11.38	10.38	7.81	6.16	5.14	5.00	4.71	-3.8%
Gross International Exports	1.56	1.56	1.56	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	-4.0%
Gross Interregional Electricity Imports	8.82	9.85	12.22	13.75	14.13	16.58	12.80	11.32	8.12	8.09	6.70	6.86	7.19	-3.6%
Gross Interregional Electricity Exports	9.77	8.75	7.64	8.08	7.90	8.43	9.56	8.75	9.13	7.91	10.44	10.21	9.40	1.7%
Purchases from Combined Heat and Power 8/	1.39	1.44	1.48	1.52	1.57	1.62	1.68	1.74	1.79	1.86	1.93	2.01	2.08	4.6%
Electric Power Sector Generation for Customers	144.34	144.76	141.14	141.43	142.62	143.25	151.93	154.66	162.38	164.24	171.17	172.31	171.99	1.5%
Total Net Energy for Load	161.14	162.03	162.64	163.38	164.00	164.77	166.67	167.80	169.43	170.90	172.94	174.43	175.01	0.9%
Generation by Fuel Type														
(billion kilowatthours)														
Coal	25.91	25.95	26.22	26.27	26.33	26.52	26.49	26.53	26.51	26.56	26.52	26.51	26.55	0.7%
Petroleum	9.66	9.76	9.90	9.91	9.79	9.70	9.75	10.00	10.01	10.02	10.06	10.08	10.09	-2.0%
Natural Gas	61.92	62.43	66.87	67.18	68.45	68.88	76.42	78.78	86.04	87.97	94.27	95.46	95.16	3.9%
Nuclear	39.76	39.82	31.58	31.64	31.70	31.76	31.82	31.88	31.90	31.90	31.90	31.90	31.90	-1.0%
Pumped Storage/Other 3/	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
Renewable Sources 4/	23.58	23.63	23.51	23.50	23.42	23.42	23.41	23.40	23.40	23.41	23.41	23.40	23.41	-0.3%
Total Generation	160.83	161.58	158.08	158.49	159.69	160.28	167.89	170.59	177.87	179.85	186.16	187.36	187.11	1.2%
Sales to Customers	158.69	159.45	155.94	156.36	157.55	158.14	165.75	168.46	175.73	177.71	184.03	185.23	184.97	1.2%
Generation for Own Use	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	1.7%
Distributed Generation 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
Combined Heat and Power														
Coal	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.0%
Petroleum	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.39	0.5%
Natural Gas	1.79	1.82	1.87	1.92	1.98	2.04	2.11	2.19	2.27	2.37	2.45	2.56	2.65	3.4%
Other Gaseous Fuels	0.44	0.44	0.44	0.44	0.44	0.44	0.45	0.45	0.46	0.46	0.47	0.48	0.49	1.4%
Renewable Sources 4/	2.49	2.56	2.61	2.67	2.72	2.78	2.85	2.91	2.96	3.03	3.09	3.16	3.23	2.5%
Other	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.0%
Total	6.03	6.14	6.24	6.35	6.46	6.58	6.73	6.87	7.01	7.18	7.34	7.53	7.70	2.1%
Other End Use Generators	0.29	0.30	0.30	0.30	0.31	0.31	0.31	0.32	0.33	0.34	0.34	0.35	0.36	1.6%
Sales to Utilities	1.39	1.44	1.48	1.52	1.57	1.62	1.68	1.74	1.79	1.86	1.93	2.01	2.08	4.6%
Generation for Own Use	4.94	5.00	5.06	5.13	5.20	5.28	5.36	5.46	5.55	5.66	5.76	5.88	5.98	1.5%
End-Use Prices														
(2001 cents per kilowatthour)														

Table 65. Electric Power Projections for EMM Region
Northeast Power Coordinating Council/New York

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	11.6	11.8	11.9	12.2	12.1	12.4	12.2	12.3	11.8	12.0	11.8	12.0	12.1	-0.8%
Commercial	8.2	8.5	8.8	9.3	9.4	10.0	9.9	10.0	9.3	9.4	8.8	8.9	9.0	-1.0%
Industrial	4.9	5.1	5.3	5.5	5.5	5.9	5.7	5.8	5.3	5.4	5.1	5.3	5.3	0.0%
Transportation	8.4	8.5	8.6	8.8	8.7	8.9	8.7	8.8	8.3	8.3	8.0	8.1	8.2	-1.3%
All Sectors Average	8.7	8.9	9.1	9.5	9.5	10.0	9.8	9.9	9.3	9.4	9.0	9.2	9.2	-0.9%
Prices by Service Category														
(2001 cents per kilowatthour)														
Generation	4.0	4.2	4.5	4.8	4.8	5.3	5.1	5.2	4.6	4.7	4.3	4.4	4.5	-1.7%
Transmission	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.1%
Distribution	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.3%
Fuel Consumption (quadrillion Btu) 9/														
Coal	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.2%
Natural Gas	0.50	0.50	0.53	0.53	0.54	0.54	0.59	0.60	0.64	0.66	0.69	0.70	0.70	2.6%
Oil	0.24	0.24	0.25	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.23	0.23	0.23	-1.6%
Total	1.00	1.01	1.04	1.04	1.05	1.06	1.09	1.11	1.15	1.17	1.20	1.21	1.20	0.9%
Emissions (million tons) 10/														
Total Carbon	17.65	17.74	18.32	18.38	18.51	18.61	19.33	19.63	20.33	20.55	21.14	21.26	21.23	0.8%
Carbon Dioxide	64.71	65.06	67.16	67.38	67.88	68.23	70.87	71.98	74.53	75.35	77.51	77.96	77.86	0.8%
Sulfur Dioxide	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.31	-0.4%
Nitrogen Oxide	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	-0.5%

Table 65. Electric Power Projections for EMM Region
Northeast Power Coordinating Council/New York

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860, "Annual Electric Generator Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.
2/ Includes oil-, gas-, and dual-fired capacity.
3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
5/ Primarily peak-load capacity fueled by natural gas.
6/ Cumulative additions after December 31, 2001.
7/ Generation to meet system load by source.
8/ Combined heat and power produces electricity and other useful thermal energy (such as steam or heat) through the sequential use of energy.
9/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.
10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).
O&M = Operation and maintenance.
EMM = Electricity market module.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Other 2001 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, July 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 66. Electric Power Projectiions for EMM Region
Northwest Power Coordinating Council/New England

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electricity Generating Capacity 1/													
(gigawatts)													
Coal Steam	2.95	2.95	2.95	2.95	2.95	2.95	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Other Fossil Steam 2/	7.83	7.82	7.82	7.82	7.82	7.82	6.75	5.80	4.66	4.66	4.18	4.18	4.18
Combined Cycle	5.47	6.95	9.00	9.21	9.21	9.21	9.21	9.21	9.21	10.54	10.39	11.27	11.27
Combustion Turbine/Diesel	2.02	1.98	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Nuclear Power	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.37	4.37	4.37	4.37	4.37	4.37
Pumped Storage/Other 3/	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71
Fuel Cells	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
Renewable Sources 4/	2.79	2.80	2.81	2.85	2.85	2.85	2.89	2.93	2.96	3.07	3.14	3.24	3.32
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.03	0.03	0.06	0.06
Total Capacity	27.12	28.55	31.63	31.88	31.88	31.89	30.84	29.95	28.84	30.31	29.74	30.75	30.84
Cumulative Planned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	2.05	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26
Combustion Turbine/Diesel	0.00	0.00	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.01	0.06	0.06	0.06	0.10	0.13	0.17	0.20	0.27	0.35	0.43
Distributed Generation 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
Total Planned Additions	0.00	0.00	2.97	3.23	3.23	3.23	3.27	3.30	3.34	3.37	3.44	3.51	3.60
Cumulative Unplanned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	1.33	2.22	2.22
Combustion Turbine/Diesel	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
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.10	0.10
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.03	0.03	0.06	0.06
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	1.44	1.44	2.38	2.38
Cumulative Total Additions	0.00	0.00	2.97	3.23	3.23	3.23	3.27	3.31	3.34	4.81	4.88	5.89	5.97
Cumulative Retirements 7/													
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Other Fossil Steam 3/	0.00	0.00	0.00	0.00	0.00	0.00	1.07	2.02	3.16	3.16	3.64	3.64	3.64
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.15	0.15
Combustion Turbine/Diesel	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
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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	0.00	0.00	0.00	0.00	0.00	0.00	1.09	2.04	3.18	3.18	3.82	3.82	3.82
Combined Heat and Power 8/													
Capacity													
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
Petroleum	0.57	0.57	0.57	0.57	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64

Table 66. Electric Power Projectiions for EMM Region
Northwest Power Coordinating Council/New England

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Natural Gas	0.44	0.44	0.46	0.47	0.48	0.49	0.51	0.52	0.54	0.55	0.56	0.57	0.59
Other Gaseous Fuels	1.37	1.37	1.37	1.37	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
Renewable Sources 4/	0.55	0.55	0.55	0.58	0.60	0.62	0.63	0.65	0.67	0.69	0.73	0.75	0.78
Other	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
Total	2.96	2.97	2.98	3.02	3.15	3.18	3.21	3.24	3.27	3.31	3.36	3.40	3.43
Other End Use Generators	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.17	0.18
Electricity Demand													
(billion kilowatthours)													
Residential	41.36	41.29	42.31	43.79	44.35	44.86	45.49	46.02	46.55	46.79	46.94	47.02	47.09
Commercial/Other	48.65	51.25	52.80	52.51	53.85	55.13	56.40	57.60	58.60	59.69	60.62	61.65	62.54
Industrial	26.70	24.43	22.71	23.84	24.47	24.79	25.24	25.89	26.57	27.16	27.87	28.53	29.10
Transportation	1.07	1.08	1.12	1.14	1.16	1.19	1.21	1.24	1.26	1.29	1.32	1.36	1.39
Total Sales	117.78	118.05	118.93	121.28	123.83	125.97	128.35	130.75	132.98	134.94	136.75	138.56	140.12
Net Energy for Load (billion kilowatthours) 7/													
Gross International Imports	16.77	9.37	6.89	6.77	6.32	8.73	8.23	7.74	7.22	6.72	7.49	6.76	6.11
Gross International Exports	2.02	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gross Interregional Electricity Imports	3.71	3.20	5.71	6.59	6.67	7.76	8.54	9.14	8.45	8.30	8.27	8.02	7.83
Gross Interregional Electricity Exports	3.29	4.44	1.71	0.61	0.31	0.27	0.06	0.02	0.01	0.14	0.26	0.08	0.13
Purchases from Combined Heat and Power 8/	2.32	2.16	2.36	2.58	2.78	2.92	3.04	3.20	3.37	3.58	3.82	4.04	4.23
Electric Power Sector Generation for Customers	94.28	95.88	107.55	106.60	109.07	108.09	109.84	111.99	115.28	118.21	119.24	123.29	125.63
Total Net Energy for Load	111.76	105.96	120.80	121.93	124.53	127.23	129.60	132.06	134.31	136.67	138.56	142.03	143.67
Generation by Fuel Type													
(billion kilowatthours)													
Coal	18.61	18.39	19.35	19.43	19.98	20.62	21.40	22.01	21.77	21.77	21.77	21.77	21.77
Petroleum	17.66	15.65	7.22	5.43	8.68	8.47	8.93	9.69	11.86	8.77	9.49	8.75	9.95
Natural Gas	22.79	31.35	47.59	48.88	47.43	45.52	45.81	46.28	47.51	52.58	52.54	55.05	55.76
Nuclear	34.35	33.44	34.75	34.83	34.91	34.98	35.06	35.31	35.39	35.46	35.54	35.62	35.62
Pumped Storage/Other 3/	-0.70	-0.71	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Renewable Sources 4/	13.89	11.71	11.61	12.40	12.54	12.54	12.67	12.83	12.99	13.50	13.78	14.19	14.55
Total Generation	106.61	109.83	120.52	120.96	123.53	122.11	123.86	126.10	129.49	132.08	133.11	135.37	137.64
Sales to Customers	104.46	106.02	116.34	116.79	119.35	117.93	119.71	121.94	125.34	127.92	128.96	131.33	133.60
Generation for Own Use	2.15	3.81	4.17	4.17	4.17	4.18	4.16	4.16	4.15	4.15	4.15	4.04	4.04
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.03
Combined Heat and Power													
Coal	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
Petroleum	1.74	1.71	1.87	1.87	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85	1.85
Natural Gas	1.06	1.06	1.14	1.18	1.21	1.26	1.30	1.35	1.39	1.44	1.47	1.51	1.54
Other Gaseous Fuels	1.85	1.73	1.80	1.80	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17
Renewable Sources 4/	8.99	8.98	8.89	9.29	9.59	9.82	10.01	10.26	10.54	10.91	11.36	11.77	12.12
Other	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
Total	14.49	14.33	14.56	14.99	15.68	15.95	16.18	16.48	16.80	17.22	17.71	18.15	18.53
Other End Use Generators	1.22	1.23	1.25	1.26	1.27	1.29	1.31	1.34	1.37	1.41	1.46	1.46	1.47
Sales to Utilities	2.32	2.16	2.36	2.58	2.78	2.92	3.04	3.20	3.37	3.58	3.82	4.04	4.23
Generation for Own Use	13.40	13.40	13.45	13.67	14.17	14.32	14.45	14.62	14.81	15.05	15.34	15.57	15.77
End-Use Prices													
(2001 cents per kilowatthour)													

Table 66. Electric Power Projectiions for EMM Region
Northwest Power Coordinating Council/New England

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	10.9	11.6	10.3	10.4	10.3	10.1	9.8	9.8	9.9	9.8	10.2	10.3	10.5
Commercial	9.3	9.7	9.0	8.4	8.1	7.8	7.5	7.4	7.5	7.3	7.6	7.5	7.7
Industrial	7.5	7.9	7.1	7.2	6.9	6.6	6.4	6.3	6.4	6.0	6.0	5.7	5.8
Transportation	10.8	10.0	8.9	8.9	8.7	8.4	8.2	8.1	8.2	8.0	8.2	8.2	8.4
All Sectors Average	9.4	10.0	9.1	8.9	8.6	8.4	8.1	8.0	8.1	7.9	8.2	8.1	8.3
Prices by Service Category													
(2001 cents per kilowatthour)													
Generation	5.1	5.9	5.1	4.9	4.5	4.2	3.9	3.8	3.9	3.7	3.9	3.9	4.1
Transmission	1.1	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Distribution	3.3	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Fuel Consumption (quadrillion Btu) 9/													
Coal	0.22	0.21	0.19	0.19	0.20	0.20	0.21	0.22	0.22	0.22	0.22	0.22	0.22
Natural Gas	0.21	0.29	0.39	0.39	0.38	0.36	0.36	0.37	0.38	0.40	0.40	0.41	0.42
Oil	0.26	0.24	0.14	0.13	0.16	0.16	0.16	0.17	0.19	0.16	0.17	0.14	0.16
Total	0.69	0.75	0.71	0.72	0.74	0.72	0.74	0.76	0.79	0.78	0.79	0.77	0.79
Emissions (million tons) 10/													
Total Carbon	15.09	15.80	13.16	12.89	13.56	13.44	13.78	14.19	14.79	14.50	14.67	14.64	15.01
Carbon Dioxide	55.34	57.94	48.24	47.27	49.72	49.29	50.53	52.02	54.23	53.15	53.80	53.70	55.04
Sulfur Dioxide	0.26	0.25	0.16	0.14	0.17	0.17	0.16	0.16	0.18	0.16	0.16	0.15	0.16
Nitrogen Oxide	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06

Table 66. Electric Power Projectiions for EMM Region
Northwest Power Coordinating Council/New England

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electricity Generating Capacity 1/														
(gigawatts)														
Coal Steam	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	0.0%
Other Fossil Steam 2/	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.01	4.01	4.01	4.01	-2.7%
Combined Cycle	11.42	11.42	11.42	11.42	11.42	11.42	11.42	11.42	11.64	12.12	12.60	12.97	13.63	2.8%
Combustion Turbine/Diesel	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	1.7%
Nuclear Power	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	0.0%
Pumped Storage/Other 3/	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	N/A
Fuel Cells	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	7.8%
Renewable Sources 4/	3.40	3.49	3.57	3.66	3.81	3.84	3.93	4.03	4.03	4.05	4.05	4.05	4.05	1.6%
Distributed Generation 5/	0.07	0.08	0.09	0.10	0.10	0.11	0.12	0.12	0.12	0.13	0.13	0.14	0.15	N/A
Total Capacity	31.07	31.16	31.26	31.36	31.52	31.55	31.65	31.74	31.97	32.31	32.80	33.18	33.84	0.7%
Cumulative Planned Additions 6/														
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	N/A
Combustion Turbine/Diesel	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.51	0.59	0.68	0.76	0.92	0.94	1.04	1.13	1.13	1.13	1.13	1.13	1.13	N/A
Distributed Generation 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
Total Planned Additions	3.68	3.76	3.85	3.93	4.09	4.11	4.21	4.30	4.30	4.30	4.30	4.30	4.30	N/A
Cumulative Unplanned Additions 6/														
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.58	3.06	3.55	3.92	4.57	N/A
Combustion Turbine/Diesel	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
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.12	0.12	0.12	0.12	N/A
Distributed Generation 5/	0.07	0.08	0.09	0.10	0.10	0.11	0.12	0.12	0.12	0.13	0.13	0.14	0.15	N/A
Total Unplanned Additions	2.53	2.54	2.56	2.56	2.57	2.58	2.58	2.58	2.81	3.31	3.80	4.18	4.84	N/A
Cumulative Total Additions	6.21	6.30	6.40	6.50	6.66	6.69	6.79	6.88	7.11	7.61	8.10	8.48	9.14	N/A
Cumulative Retirements 7/														
Coal Steam	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	N/A
Other Fossil Steam 3/	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.80	3.80	3.80	3.80	N/A
Combined Cycle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	N/A
Combustion Turbine/Diesel	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
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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
Total	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.98	3.98	3.98	3.98	N/A
Combined Heat and Power 8/														
Capacity														
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	0.0%
Petroleum	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.65	0.6%

Table 66. Electric Power Projectiions for EMM Region
Northwest Power Coordinating Council/New England

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Natural Gas	0.60	0.61	0.62	0.64	0.65	0.67	0.69	0.71	0.74	0.77	0.79	0.82	0.85	2.7%
Other Gaseous Fuels	1.40	1.40	1.40	1.40	1.40	1.40	1.41	1.42	1.43	1.44	1.44	1.46	1.47	0.3%
Renewable Sources 4/	0.80	0.83	0.85	0.86	0.88	0.91	0.93	0.95	0.97	0.99	1.01	1.04	1.06	2.7%
Other	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	N/A
Total	3.47	3.50	3.54	3.57	3.60	3.65	3.70	3.75	3.81	3.87	3.93	4.00	4.06	1.3%
Other End Use Generators	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.20	0.21	0.22	0.22	0.23	0.24	2.5%
Electricity Demand (billion kilowatthours)														
Residential	46.99	47.05	47.27	47.52	47.60	47.79	48.02	48.41	48.63	49.08	49.58	50.12	50.45	0.8%
Commercial/Other	63.46	64.28	65.06	65.83	66.62	67.44	68.29	69.09	69.94	70.87	71.91	72.91	74.01	1.5%
Industrial	29.56	30.01	30.29	30.48	30.75	31.04	31.38	31.61	31.85	32.20	32.53	32.93	33.22	1.3%
Transportation	1.42	1.45	1.49	1.52	1.56	1.60	1.64	1.68	1.73	1.77	1.82	1.87	1.91	2.4%
Total Sales	141.43	142.80	144.10	145.35	146.53	147.86	149.33	150.79	152.15	153.92	155.83	157.82	159.60	1.3%
Net Energy for Load (billion kilowatthours) 7/														
Gross International Imports	5.77	5.46	7.61	6.91	6.20	5.46	4.94	8.89	8.24	7.67	7.10	6.53	5.94	-1.9%
Gross International Exports	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
Gross Interregional Electricity Imports	7.85	7.37	6.58	7.36	7.29	8.00	8.53	7.60	7.52	6.53	8.20	8.38	8.01	3.9%
Gross Interregional Electricity Exports	0.02	0.03	0.85	0.91	0.66	0.04	0.00	0.00	0.00	0.04	0.00	0.00	0.00	-28.1%
Purchases from Combined Heat and Power 8/	4.40	4.58	4.73	4.86	5.00	5.16	5.35	5.52	5.68	5.88	6.09	6.33	6.53	4.7%
Electric Power Sector Generation for Customers	127.04	128.97	129.50	130.67	132.39	132.81	134.07	132.51	134.52	137.77	138.83	141.51	144.45	1.7%
Total Net Energy for Load	145.04	146.35	147.56	148.88	150.22	151.39	152.88	154.52	155.96	157.82	160.21	162.74	164.93	1.9%
Generation by Fuel Type (billion kilowatthours)														
Coal	21.77	21.77	21.77	21.81	21.77	21.77	21.81	21.81	21.81	21.81	21.81	21.81	21.81	0.7%
Petroleum	10.58	11.25	11.53	12.29	12.24	12.17	12.43	11.91	11.74	11.44	10.64	11.40	11.17	-1.4%
Natural Gas	56.08	57.13	57.00	56.97	58.20	58.65	59.29	57.72	59.79	63.25	64.77	66.27	69.13	3.3%
Nuclear	35.62	35.62	35.62	35.62	35.62	35.62	35.62	35.62	35.62	35.62	35.62	35.62	35.62	0.3%
Pumped Storage/Other 3/	-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	-15.7%
Renewable Sources 4/	14.92	15.30	15.69	16.10	16.68	16.98	17.34	17.77	17.88	17.96	17.96	17.96	17.96	1.8%
Total Generation	138.97	141.06	141.60	142.78	144.50	145.18	146.49	144.82	146.83	150.07	150.79	153.05	155.68	1.5%
Sales to Customers	134.92	137.02	137.56	138.74	140.46	141.13	142.45	140.78	142.79	146.02	146.75	149.01	151.64	1.5%
Generation for Own Use	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	4.04	0.2%
Distributed Generation 5/	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	N/A
Combined Heat and Power														
Coal	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.0%
Petroleum	1.85	1.85	1.85	1.85	1.85	1.85	1.86	1.87	1.87	1.88	1.89	1.90	1.90	0.5%
Natural Gas	1.58	1.61	1.65	1.70	1.74	1.80	1.86	1.93	2.01	2.09	2.17	2.26	2.34	3.4%
Other Gaseous Fuels	2.17	2.17	2.17	2.17	2.17	2.17	2.21	2.24	2.25	2.29	2.32	2.38	2.40	1.4%
Renewable Sources 4/	12.44	12.78	13.07	13.33	13.61	13.92	14.24	14.53	14.81	15.14	15.46	15.81	16.14	2.5%
Other	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.0%
Total	18.89	19.26	19.59	19.90	20.23	20.60	21.02	21.43	21.79	22.24	22.69	23.20	23.64	2.1%
Other End Use Generators	1.47	1.48	1.50	1.52	1.53	1.55	1.57	1.61	1.64	1.68	1.72	1.76	1.79	1.6%
Sales to Utilities	4.40	4.58	4.73	4.86	5.00	5.16	5.35	5.52	5.68	5.88	6.09	6.33	6.53	4.7%
Generation for Own Use	15.96	16.16	16.36	16.56	16.77	16.99	17.25	17.51	17.75	18.04	18.32	18.63	18.90	1.4%
End-Use Prices (2001 cents per kilowatthour)														

Table 66. Electric Power Projectiions for EMM Region
Northwest Power Coordinating Council/New England

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	10.7	10.8	10.8	11.0	11.0	11.1	11.2	11.3	11.3	11.3	11.2	11.3	11.2	-0.1%
Commercial	7.9	8.1	8.2	8.4	8.6	8.8	9.1	9.4	9.5	9.6	9.5	9.7	9.5	-0.1%
Industrial	5.8	6.0	6.0	6.2	6.3	6.4	6.6	6.8	6.8	6.9	6.9	7.0	6.9	-0.5%
Transportation	8.4	8.5	8.5	8.6	8.5	8.6	8.6	8.7	8.6	8.5	8.4	8.5	8.4	-0.7%
All Sectors Average	8.4	8.5	8.6	8.8	8.9	9.1	9.3	9.5	9.5	9.6	9.5	9.6	9.5	-0.2%
Prices by Service Category														
(2001 cents per kilowatthour)														
Generation	4.1	4.3	4.3	4.5	4.6	4.8	5.0	5.2	5.2	5.3	5.2	5.4	5.3	-0.5%
Transmission	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.4%
Distribution	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	0.1%
Fuel Consumption (quadrillion Btu) 9/														
Coal	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.1%
Natural Gas	0.42	0.43	0.43	0.43	0.44	0.44	0.45	0.44	0.45	0.47	0.48	0.48	0.50	2.2%
Oil	0.16	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.16	0.17	0.16	-1.7%
Total	0.80	0.81	0.82	0.82	0.83	0.84	0.85	0.83	0.84	0.86	0.86	0.87	0.88	0.7%
Emissions (million tons) 10/														
Total Carbon	15.17	15.47	15.52	15.73	15.85	15.90	16.06	15.76	15.93	16.21	16.11	16.42	16.60	0.2%
Carbon Dioxide	55.62	56.73	56.92	57.69	58.10	58.29	58.88	57.78	58.41	59.45	59.09	60.20	60.86	0.2%
Sulfur Dioxide	0.16	0.17	0.17	0.17	0.17	0.17	0.18	0.17	0.17	0.17	0.16	0.17	0.17	-1.7%
Nitrogen Oxide	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.0%

Table 66. Electric Power Projections for EMM Region
Northeast Power Coordinating Council/New England

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860, "Annual Electric Generator Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.
2/ Includes oil-, gas-, and dual-fired capacity.
3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
5/ Primarily peak-load capacity fueled by natural gas.
6/ Cumulative additions after December 31, 2001.
7/ Generation to meet system load by source.
8/ Combined heat and power produces electricity and other useful thermal energy (such as steam or heat) through the sequential use of energy.
9/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.
10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).
O&M = Operation and maintenance.
EMM = Electricity market module.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Other 2001 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, July 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 67. Electric Power Projections for EMM Region
Florida Reliability Coordinating Council

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electricity Generating Capacity 1/													
(gigawatts)													
Coal Steam	10.95	10.97	11.49	11.49	10.37	10.37	10.37	10.37	10.37	10.37	10.64	10.92	10.92
Other Fossil Steam 2/	13.30	12.45	11.51	10.78	10.78	10.54	10.22	10.22	10.22	10.22	10.22	10.22	10.22
Combined Cycle	4.87	5.25	7.46	8.73	10.20	10.20	10.20	11.06	11.98	13.09	14.08	15.49	16.48
Combustion Turbine/Diesel	6.42	7.60	10.22	10.22	10.19	10.19	10.06	9.98	9.95	9.95	9.90	10.06	10.16
Nuclear Power	3.90	3.90	3.91	3.91	3.92	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.59	0.59	0.59	0.59	0.59	0.59	0.61	0.61	0.61	0.61	0.61	0.61	0.61
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Total Capacity	40.02	40.75	45.18	45.70	46.05	45.83	45.39	46.17	47.06	48.17	49.38	51.25	52.35
Cumulative Planned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	1.65	2.91	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39
Combustion Turbine/Diesel	0.00	0.00	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	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
Distributed Generation 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
Total Planned Additions	0.00	0.00	4.26	5.53	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
Cumulative Unplanned Additions 6/													
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.55	0.55
Other Fossil Steam 2/	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
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.86	1.78	2.89	3.87	5.29	6.28
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.48	0.58
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.87	1.80	2.91	4.38	6.35	7.45
Cumulative Total Additions	0.00	0.00	4.26	5.53	7.00	7.00	7.02	7.88	8.80	9.91	11.38	13.36	14.45
Cumulative Retirements 7/													
Coal Steam	0.00	0.00	0.00	0.00	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
Other Fossil Steam 3/	0.00	0.00	0.05	0.40	0.40	0.64	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Combined Cycle	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
Combustion Turbine/Diesel	0.00	0.00	0.01	0.01	0.04	0.04	0.17	0.25	0.28	0.28	0.54	0.65	0.65
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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	0.00	0.00	0.06	0.41	1.04	1.27	1.73	1.81	1.84	1.84	2.10	2.21	2.21
Combined Heat and Power 8/													
Capacity													
Coal	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
Petroleum	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

Table 67. Electric Power Projections for EMM Region
Florida Reliability Coordinating Council

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Natural Gas	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.24
Other Gaseous Fuels	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
Renewable Sources 4/	0.28	0.28	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.37	0.38	0.39
Other	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Total	0.57	0.57	0.58	0.60	0.61	0.62	0.64	0.65	0.67	0.69	0.71	0.73	0.74
Other End Use Generators	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09
Electricity Demand (billion kilowatthours)													
Residential	96.84	97.65	96.04	100.24	102.73	104.66	106.81	109.22	111.97	114.00	116.21	118.16	120.44
Commercial/Other	68.93	71.51	70.84	72.33	74.56	76.65	78.84	81.18	83.62	86.11	88.66	91.33	94.10
Industrial	17.46	16.28	14.46	15.19	15.53	15.70	16.01	16.43	16.91	17.29	17.80	18.26	18.69
Transportation	1.03	1.07	1.05	1.08	1.11	1.14	1.17	1.21	1.24	1.28	1.32	1.37	1.41
Total Sales	184.27	186.51	182.40	188.84	193.93	198.15	202.83	208.04	213.74	218.70	224.00	229.13	234.64
Net Energy for Load (billion kilowatthours) 7/													
Gross International Imports	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
Gross International Exports	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
Gross Interregional Electricity Imports	29.56	37.06	39.27	44.44	45.41	45.44	45.67	45.31	43.66	42.83	41.20	39.45	37.82
Gross Interregional Electricity Exports	0.73	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Purchases from Combined Heat and Power 8/	0.48	0.43	0.52	0.53	0.55	0.57	0.59	0.61	0.62	0.64	0.66	0.67	0.68
Electric Power Sector Generation for Customers	166.80	169.36	147.26	149.01	153.23	157.42	161.75	167.34	174.77	180.64	187.70	194.69	201.79
Total Net Energy for Load	196.11	206.80	187.05	193.97	199.20	203.43	208.01	213.25	219.05	224.12	229.55	234.81	240.29
Generation by Fuel Type (billion kilowatthours)													
Coal	64.25	61.47	72.69	74.02	71.52	73.97	76.13	78.18	77.55	77.55	79.57	81.65	81.65
Petroleum	35.37	40.50	5.30	4.65	4.34	5.20	5.48	5.53	6.73	6.93	7.33	6.64	7.95
Natural Gas	41.41	42.17	43.22	43.83	50.84	51.56	53.41	57.00	63.84	69.46	74.09	79.64	85.43
Nuclear	32.29	31.58	31.82	31.86	32.01	32.27	32.32	32.32	32.32	32.32	32.32	32.32	32.32
Pumped Storage/Other 3/	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
Renewable Sources 4/	3.84	3.97	3.75	4.09	4.07	4.12	4.27	4.27	4.27	4.27	4.28	4.27	4.27
Total Generation	177.16	179.69	156.78	158.44	162.78	167.12	171.62	177.30	184.70	190.53	197.59	204.52	211.63
Sales to Customers	176.03	178.53	155.48	157.15	161.47	165.80	170.29	175.97	183.37	189.20	196.25	203.19	210.29
Generation for Own Use	1.13	1.16	1.30	1.29	1.31	1.33	1.33	1.34	1.33	1.33	1.33	1.33	1.33
Distributed Generation 5/	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
Combined Heat and Power													
Coal	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	0.44	0.43	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
Natural Gas	0.97	0.97	1.05	1.08	1.11	1.15	1.19	1.23	1.27	1.31	1.35	1.38	1.41
Other Gaseous Fuels	0.47	0.44	0.46	0.46	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Renewable Sources 4/	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	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Total	2.86	2.82	2.96	2.99	3.11	3.15	3.19	3.23	3.27	3.31	3.34	3.38	3.41
Other End Use Generators	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
Sales to Utilities	0.48	0.43	0.52	0.53	0.55	0.57	0.59	0.61	0.62	0.64	0.66	0.67	0.68
Generation for Own Use	2.38	2.39	2.44	2.46	2.56	2.58	2.60	2.62	2.65	2.67	2.69	2.71	2.72
End-Use Prices (2001 cents per kilowatthour)													

Table 67. Electric Power Projections for EMM Region
Florida Reliability Coordinating Council

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	8.0	8.8	8.5	8.1	8.3	8.3	8.2	8.1	8.1	8.1	8.2	8.2	8.1
Commercial	6.4	7.2	7.1	6.9	7.0	7.0	6.9	6.9	6.9	7.0	7.0	7.0	7.0
Industrial	5.0	5.4	5.2	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
Transportation	7.1	7.8	7.4	7.2	7.3	7.3	7.1	7.1	7.1	7.0	7.0	7.0	6.9
All Sectors Average	7.1	7.9	7.7	7.4	7.5	7.5	7.4	7.4	7.4	7.4	7.5	7.5	7.5
Prices by Service Category													
(2001 cents per kilowatthour)													
Generation	4.4	5.4	5.3	4.9	5.0	4.9	4.8	4.8	4.7	4.7	4.8	4.8	4.8
Transmission	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6
Distribution	2.2	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1	2.1
Fuel Consumption (quadrillion Btu) 9/													
Coal	0.72	0.70	0.71	0.72	0.69	0.71	0.74	0.76	0.75	0.75	0.77	0.79	0.79
Natural Gas	0.38	0.39	0.37	0.37	0.42	0.42	0.44	0.46	0.51	0.54	0.57	0.60	0.63
Oil	0.39	0.42	0.09	0.08	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.10	0.11
Total	1.48	1.51	1.17	1.17	1.18	1.22	1.26	1.30	1.36	1.40	1.45	1.49	1.53
Emissions (million tons) 10/													
Total Carbon	31.65	29.48	26.93	27.15	26.91	27.84	28.77	29.69	30.58	31.21	32.27	33.10	33.94
Carbon Dioxide	116.07	108.11	98.76	99.54	98.66	102.09	105.50	108.88	112.12	114.43	118.32	121.36	124.46
Sulfur Dioxide	0.34	0.30	0.22	0.22	0.18	0.19	0.20	0.21	0.21	0.20	0.20	0.20	0.21
Nitrogen Oxide	0.22	0.21	0.17	0.17	0.15	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17

Table 67. Electric Power Projections for EMM Region
Florida Reliability Coordinating Council

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electricity Generating Capacity 1/														
(gigawatts)														
Coal Steam	10.92	10.92	11.26	11.52	11.80	12.20	12.46	12.46	12.46	12.70	13.06	13.35	13.77	1.0%
Other Fossil Steam 2/	10.22	10.22	10.22	10.22	9.71	9.71	9.71	9.71	9.71	9.71	9.71	9.71	9.71	-1.0%
Combined Cycle	17.78	19.04	20.10	20.91	21.82	22.94	23.87	24.77	25.91	26.79	27.73	28.31	29.04	7.4%
Combustion Turbine/Diesel	10.16	10.16	10.24	10.24	10.44	10.74	10.98	11.17	11.47	11.77	11.96	12.12	12.36	2.0%
Nuclear Power	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	0.0%
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.65	0.69	0.75	1.0%
Distributed Generation 5/	0.04	0.07	0.09	0.12	0.14	0.21	0.28	0.34	0.37	0.44	0.51	0.58	0.65	N/A
Total Capacity	53.67	54.95	56.46	57.55	58.46	60.34	61.84	63.00	64.46	65.95	67.57	68.71	70.23	2.3%
Cumulative Planned Additions 6/														
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	N/A
Combustion Turbine/Diesel	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	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
Distributed Generation 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
Total Planned Additions	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	N/A
Cumulative Unplanned Additions 6/														
Coal Steam	0.55	0.55	0.89	1.15	1.43	1.83	2.09	2.09	2.09	2.33	2.69	2.98	3.40	N/A
Other Fossil Steam 2/	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
Combined Cycle	7.58	8.84	9.90	10.70	11.62	12.74	13.67	14.57	15.71	16.59	17.53	18.11	18.84	N/A
Combustion Turbine/Diesel	0.58	0.58	0.66	0.66	0.86	1.16	1.40	1.59	1.89	2.19	2.54	2.70	2.93	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.07	0.11	0.16	N/A
Distributed Generation 5/	0.04	0.07	0.09	0.12	0.14	0.21	0.28	0.34	0.37	0.44	0.51	0.58	0.65	N/A
Total Unplanned Additions	8.78	10.06	11.57	12.65	14.07	15.96	17.45	18.61	20.07	21.56	23.33	24.48	25.99	N/A
Cumulative Total Additions	15.78	17.06	18.57	19.65	21.08	22.96	24.45	25.61	27.07	28.57	30.33	31.48	32.99	N/A
Cumulative Retirements 7/														
Coal Steam	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	N/A
Other Fossil Steam 3/	0.96	0.96	0.96	0.96	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	N/A
Combined Cycle	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
Combustion Turbine/Diesel	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.80	0.80	0.80	N/A
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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
Total	2.21	2.21	2.21	2.21	2.71	2.71	2.71	2.71	2.71	2.71	2.87	2.87	2.87	N/A
Combined Heat and Power 8/														
Capacity														
Coal	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
Petroleum	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

Table 67. Electric Power Projections for EMM Region
Florida Reliability Coordinating Council

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Natural Gas	0.24	0.25	0.26	0.26	0.27	0.28	0.28	0.29	0.30	0.31	0.32	0.34	0.35	2.7%
Other Gaseous Fuels	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
Renewable Sources 4/	0.40	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.53	2.7%
Other	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	N/A
Total	0.76	0.78	0.79	0.81	0.82	0.84	0.86	0.88	0.90	0.92	0.95	0.97	0.99	2.3%
Other End Use Generators	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.11	0.11	0.11	0.12	0.12	2.5%
Electricity Demand (billion kilowatthours)														
Residential	122.01	123.96	125.98	128.22	129.80	131.71	133.69	136.03	137.60	139.65	141.75	144.42	146.41	1.7%
Commercial/Other	96.94	99.85	102.73	105.69	108.73	111.92	115.17	118.47	121.78	125.14	128.46	131.92	135.49	2.7%
Industrial	19.02	19.36	19.62	19.85	20.15	20.45	20.82	21.12	21.43	21.80	22.16	22.54	22.86	1.4%
Transportation	1.46	1.50	1.55	1.59	1.65	1.70	1.76	1.82	1.88	1.95	2.01	2.08	2.14	2.9%
Total Sales	239.43	244.68	249.88	255.35	260.32	265.79	271.44	277.44	282.69	288.53	294.38	300.96	306.90	2.1%
Net Energy for Load (billion kilowatthours) 7/														
Gross International Imports	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
Gross International Exports	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
Gross Interregional Electricity Imports	37.90	37.27	36.83	35.90	35.56	33.52	34.19	34.69	33.65	34.19	33.25	30.55	30.65	-0.8%
Gross Interregional Electricity Exports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.01	-5.0%
Purchases from Combined Heat and Power 8/	0.70	0.71	0.73	0.74	0.76	0.78	0.80	0.83	0.86	0.89	0.92	0.96	0.99	3.6%
Electric Power Sector Generation for Customers	206.58	212.42	218.14	224.76	229.69	237.68	242.83	248.49	255.00	260.63	267.62	277.07	283.23	2.2%
Total Net Energy for Load	245.17	250.40	255.69	261.40	266.01	271.97	277.82	284.01	289.51	295.70	301.78	308.58	314.86	1.8%
Generation by Fuel Type (billion kilowatthours)														
Coal	81.65	81.65	84.18	86.13	88.22	91.20	93.13	93.16	93.19	94.96	97.66	99.83	102.94	2.2%
Petroleum	8.19	7.76	7.23	7.19	6.76	5.67	4.95	5.29	5.03	5.09	4.86	5.04	4.26	-9.0%
Natural Gas	89.86	96.13	99.83	104.53	107.79	113.83	117.75	123.01	129.71	133.47	137.76	144.61	148.06	5.4%
Nuclear	32.32	32.32	32.32	32.32	32.32	32.32	32.32	32.32	32.32	32.32	32.32	32.32	32.32	0.1%
Pumped Storage/Other 3/	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
Renewable Sources 4/	4.27	4.27	4.27	4.27	4.27	4.26	4.26	4.27	4.27	4.27	4.46	4.69	5.03	1.0%
Total Generation	216.29	222.12	227.83	234.44	239.36	247.29	252.42	258.05	264.52	270.11	277.07	286.49	292.62	2.1%
Sales to Customers	214.96	220.79	226.49	233.11	238.02	245.95	251.08	256.71	263.18	268.78	275.74	285.16	291.28	2.1%
Generation for Own Use	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	1.33	0.6%
Distributed Generation 5/	0.02	0.03	0.04	0.05	0.06	0.09	0.12	0.15	0.16	0.19	0.22	0.25	0.29	N/A
Combined Heat and Power														
Coal	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	0.0%
Petroleum	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.48	0.48	0.48	0.5%
Natural Gas	1.44	1.47	1.51	1.55	1.59	1.65	1.70	1.77	1.83	1.91	1.98	2.07	2.14	3.4%
Other Gaseous Fuels	0.55	0.55	0.55	0.55	0.55	0.55	0.56	0.57	0.57	0.58	0.59	0.60	0.61	1.4%
Renewable Sources 4/	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	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.0%
Total	3.44	3.47	3.51	3.55	3.59	3.64	3.71	3.79	3.86	3.94	4.03	4.13	4.21	1.7%
Other End Use Generators	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
Sales to Utilities	0.70	0.71	0.73	0.74	0.76	0.78	0.80	0.83	0.86	0.89	0.92	0.96	0.99	3.6%
Generation for Own Use	2.74	2.76	2.78	2.81	2.84	2.87	2.91	2.96	3.00	3.05	3.11	3.17	3.22	1.2%
End-Use Prices (2001 cents per kilowatthour)														

Table 67. Electric Power Projections for EMM Region
Florida Reliability Coordinating Council

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	8.2	8.2	8.2	8.2	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	-0.3%
Commercial	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.3	7.3	7.3	0.0%
Industrial	5.2	5.3	5.3	5.3	5.2	5.3	5.2	5.3	5.3	5.3	5.3	5.3	5.3	-0.1%
Transportation	6.9	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.4	6.3	6.3	6.2	6.1	-1.0%
All Sectors Average	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	-0.2%
Prices by Service Category														
(2001 cents per kilowatthour)														
Generation	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.7	4.7	-0.6%
Transmission	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.8%
Distribution	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.2%
Fuel Consumption (quadrillion Btu) 9/														
Coal	0.79	0.79	0.81	0.83	0.84	0.87	0.89	0.89	0.89	0.90	0.93	0.94	0.97	1.4%
Natural Gas	0.65	0.69	0.71	0.74	0.76	0.80	0.82	0.86	0.90	0.92	0.94	0.99	1.01	4.1%
Oil	0.11	0.11	0.10	0.10	0.10	0.09	0.08	0.09	0.08	0.08	0.08	0.08	0.07	-6.9%
Total	1.56	1.59	1.63	1.67	1.71	1.76	1.79	1.83	1.87	1.91	1.95	2.02	2.06	1.3%
Emissions (million tons) 10/														
Total Carbon	34.34	34.84	35.66	36.62	37.44	38.58	39.29	40.00	40.61	41.51	42.49	43.77	44.67	1.7%
Carbon Dioxide	125.90	127.76	130.76	134.26	137.28	141.48	144.07	146.68	148.89	152.19	155.80	160.50	163.77	1.7%
Sulfur Dioxide	0.21	0.20	0.20	0.20	0.19	0.17	0.16	0.16	0.15	0.15	0.15	0.15	0.15	-3.0%
Nitrogen Oxide	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	-0.8%

Table 67. Electric Power Projections for EMM Region
Florida Reliability Coordinating Council

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860, "Annual Electric Generator Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.
2/ Includes oil-, gas-, and dual-fired capacity.
3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
5/ Primarily peak-load capacity fueled by natural gas.
6/ Cumulative additions after December 31, 2001.
7/ Generation to meet system load by source.
8/ Combined heat and power produces electricity and other useful thermal energy (such as steam or heat) through the sequential use of energy.
9/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.
10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).
O&M = Operation and maintenance.
EMM = Electricity market module.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Other 2001 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, July 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 68. Electric Power Projections for EMM Region
Southeastern Electric Reliability Council

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electricity Generating Capacity 1/													
(gigawatts)													
Coal Steam	71.53	71.64	71.52	71.26	71.26	71.27	71.27	71.16	71.16	71.51	72.60	73.94	74.32
Other Fossil Steam 2/	19.01	19.01	18.98	18.78	18.76	13.59	7.19	7.19	7.14	7.14	7.10	7.10	7.10
Combined Cycle	7.41	11.75	21.07	28.31	28.83	28.83	28.83	28.83	28.83	31.35	34.69	38.36	40.10
Combustion Turbine/Diesel	19.15	23.30	29.14	30.43	30.43	29.85	29.65	28.39	28.39	28.30	28.52	28.86	29.01
Nuclear Power	31.88	32.05	32.08	32.20	32.48	32.84	32.91	33.04	33.04	33.05	33.21	33.21	33.36
Pumped Storage/Other 3/	6.40	6.47	6.81	6.87	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94
Fuel Cells	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
Renewable Sources 4/	11.75	11.76	11.78	11.78	11.78	11.78	11.78	11.78	11.78	11.86	11.89	11.91	12.05
Distributed Generation 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
Total Capacity	167.13	175.96	191.38	199.64	200.47	195.10	188.57	187.33	187.28	190.15	194.95	200.32	202.88
Cumulative Planned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	9.18	15.88	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40
Combustion Turbine/Diesel	0.00	0.00	5.88	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10
Nuclear Power	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
Pumped Storage/Other 3/	0.00	0.00	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Distributed Generation 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
Total Planned Additions	0.00	0.00	15.39	23.31	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83
Cumulative Unplanned Additions 6/													
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	1.44	2.78	3.16
Other Fossil Steam 2/	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
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.52	5.86	9.53	11.27
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.40	0.74	0.89
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.11	0.13	0.27
Distributed Generation 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
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.12	7.80	13.18	15.59
Cumulative Total Additions	0.00	0.00	15.39	23.31	23.83	23.83	23.83	23.83	23.83	26.95	31.63	37.00	39.42
Cumulative Retirements 7/													
Coal Steam	0.00	0.00	0.12	0.38	0.38	0.36	0.36	0.47	0.47	0.47	0.47	0.47	0.47
Other Fossil Steam 3/	0.00	0.00	0.00	0.14	0.17	5.34	11.74	11.74	11.78	11.78	11.83	11.83	11.83
Combined Cycle	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
Combustion Turbine/Diesel	0.00	0.00	0.00	0.03	0.03	0.61	0.81	2.07	2.07	2.34	2.34	2.34	2.34
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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	0.00	0.00	0.12	0.55	0.58	6.32	12.91	14.28	14.33	14.60	14.64	14.64	14.64
Combined Heat and Power 8/													
Capacity													
Coal	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Petroleum	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

Table 68. Electric Power Projections for EMM Region
Southeastern Electric Reliability Council

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Natural Gas	4.22	4.30	4.45	4.56	4.64	4.78	4.92	5.06	5.20	5.34	5.45	5.57	5.67
Other Gaseous Fuels	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
Renewable Sources 4/	2.35	2.35	2.35	2.46	2.55	2.62	2.68	2.75	2.83	2.95	3.08	3.20	3.30
Other	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Total	7.73	7.82	7.96	8.19	8.36	8.57	8.76	8.98	9.20	9.45	9.70	9.93	10.14
Other End Use Generators	0.55	0.56	0.57	0.57	0.59	0.60	0.62	0.64	0.67	0.70	0.74	0.74	0.75
Electricity Demand													
(billion kilowatthours)													
Residential	276.61	278.70	286.21	297.19	303.65	308.65	314.32	320.46	327.84	332.89	339.02	344.13	350.31
Commercial/Other	226.16	233.03	241.45	245.45	252.33	258.85	265.76	273.00	280.57	288.06	296.01	304.11	312.48
Industrial	256.18	240.75	224.21	235.54	240.69	243.28	248.57	255.37	263.07	268.73	276.53	283.58	290.20
Transportation	3.75	3.88	4.00	4.10	4.20	4.32	4.43	4.55	4.68	4.82	4.96	5.11	5.27
Total Sales	762.70	756.35	755.86	782.28	800.86	815.09	833.08	853.39	876.15	894.50	916.52	936.94	958.26
Net Energy for Load (billion kilowatthours) 7/													
Gross International Imports	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
Gross International Exports	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
Gross Interregional Electricity Imports	62.14	62.87	59.43	70.82	71.21	69.03	67.27	68.66	69.17	74.33	70.91	68.82	69.65
Gross Interregional Electricity Exports	46.57	55.44	60.80	66.96	66.47	60.68	59.54	58.70	56.07	54.78	52.29	49.33	46.51
Purchases from Combined Heat and Power 8/	8.88	8.27	9.72	10.33	10.79	11.41	11.99	12.62	13.23	13.93	14.57	15.18	15.72
Electric Power Sector Generation for Customers	792.82	796.98	782.56	802.44	817.34	828.25	845.24	863.37	881.37	893.18	916.19	938.29	955.30
Total Net Energy for Load	817.27	812.68	790.90	816.63	832.87	848.00	864.96	885.95	907.70	926.66	949.38	972.97	994.16
Generation by Fuel Type													
(billion kilowatthours)													
Coal	467.21	451.38	437.33	443.65	455.22	469.54	485.51	497.96	501.83	506.73	516.18	526.94	531.11
Petroleum	10.27	16.10	3.53	2.70	2.82	2.67	2.49	2.53	3.10	2.98	3.10	3.02	3.16
Natural Gas	63.27	72.43	81.14	91.42	93.97	86.28	87.75	84.70	99.78	105.85	117.49	126.38	137.82
Nuclear	246.14	248.06	247.39	248.62	251.28	254.79	255.61	264.47	264.82	265.24	267.03	267.39	268.97
Pumped Storage/Other 3/	-1.12	-3.95	-0.14	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17
Renewable Sources 4/	20.69	27.22	32.35	37.22	38.30	38.61	38.70	38.57	38.65	39.08	39.14	39.16	39.61
Total Generation	806.46	811.24	801.60	823.43	841.42	851.72	869.88	888.07	908.01	919.71	942.77	962.72	980.51
Sales to Customers	804.23	808.03	797.30	819.11	837.08	847.38	865.52	883.69	903.64	915.34	938.40	958.35	976.14
Generation for Own Use	2.22	3.20	4.30	4.33	4.35	4.34	4.36	4.38	4.37	4.37	4.37	4.37	4.37
Distributed Generation 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
Combined Heat and Power													
Coal	4.28	4.27	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
Petroleum	1.91	1.87	2.05	2.05	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
Natural Gas	25.03	24.95	26.93	27.77	28.59	29.65	30.69	31.74	32.76	33.82	34.68	35.53	36.30
Other Gaseous Fuels	2.02	1.90	1.98	1.98	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38
Renewable Sources 4/	10.36	10.35	10.25	10.70	11.05	11.31	11.53	11.83	12.14	12.57	13.09	13.56	13.97
Other	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Total	48.52	48.26	50.41	51.70	53.26	54.58	55.83	57.18	58.51	60.00	61.38	62.71	63.88
Other End Use Generators	1.41	1.41	1.44	1.45	1.46	1.48	1.51	1.54	1.58	1.62	1.68	1.68	1.69
Sales to Utilities	8.88	8.27	9.72	10.33	10.79	11.41	11.99	12.62	13.23	13.93	14.57	15.18	15.72
Generation for Own Use	41.06	41.40	42.12	42.82	43.93	44.65	45.36	46.10	46.85	47.69	48.49	49.21	49.85
End-Use Prices													
(2001 cents per kilowatthour)													

Table 68. Electric Power Projections for EMM Region
Southeastern Electric Reliability Council

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	7.7	7.8	7.6	7.3	7.5	7.5	7.3	7.2	7.1	7.1	7.1	7.2	7.1
Commercial	6.6	6.7	6.6	6.5	6.6	6.6	6.5	6.3	6.3	6.3	6.3	6.4	6.4
Industrial	4.2	4.3	4.1	4.1	4.1	4.2	4.1	4.0	4.0	4.0	4.0	4.0	4.0
Transportation	6.6	6.7	6.4	6.3	6.4	6.4	6.2	6.1	6.0	5.9	6.0	5.9	5.9
All Sectors Average	6.2	6.3	6.2	6.1	6.2	6.2	6.1	6.0	5.9	5.9	5.9	6.0	5.9
Prices by Service Category													
(2001 cents per kilowatthour)													
Generation	4.0	4.2	4.2	4.0	4.0	4.0	3.9	3.7	3.7	3.7	3.7	3.7	3.7
Transmission	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5
Distribution	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Fuel Consumption (quadrillion Btu) 9/													
Coal	4.85	4.71	4.35	4.42	4.53	4.67	4.84	4.96	5.01	5.06	5.14	5.23	5.27
Natural Gas	0.72	0.74	0.69	0.74	0.76	0.70	0.72	0.69	0.82	0.85	0.93	0.97	1.05
Oil	0.14	0.19	0.09	0.09	0.11	0.10	0.09	0.09	0.11	0.10	0.10	0.09	0.09
Total	5.71	5.64	5.13	5.25	5.40	5.47	5.65	5.75	5.93	6.01	6.17	6.29	6.42
Emissions (million tons) 10/													
Total Carbon	141.25	138.07	133.68	136.33	139.87	142.80	147.54	150.76	154.07	156.01	159.64	163.00	165.42
Carbon Dioxide	517.90	506.26	490.17	499.89	512.85	523.59	540.99	552.78	564.93	572.04	585.34	597.66	606.54
Sulfur Dioxide	3.04	2.94	2.94	2.97	2.98	2.99	3.00	2.80	2.73	2.65	2.52	2.30	2.11
Nitrogen Oxide	0.85	0.79	0.87	0.88	0.78	0.80	0.82	0.86	0.87	0.88	0.89	0.89	0.90

Table 68. Electric Power Projections for EMM Region
Southeastern Electric Reliability Council

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electricity Generating Capacity 1/ (gigawatts)														
Coal Steam	75.80	76.71	80.55	82.70	85.54	87.98	90.47	92.57	93.78	97.47	100.30	103.12	106.74	1.7%
Other Fossil Steam 2/	7.10	6.79	6.79	6.79	6.71	6.71	6.61	6.61	6.61	6.61	6.61	6.61	6.61	-4.3%
Combined Cycle	43.02	45.65	46.20	46.46	47.16	47.85	48.59	49.24	51.33	51.53	52.33	52.63	53.02	6.5%
Combustion Turbine/Diesel	29.19	29.42	29.60	29.69	30.14	30.52	31.30	31.97	32.95	33.87	34.68	34.87	35.38	1.8%
Nuclear Power	33.65	34.00	34.22	34.22	34.22	34.22	34.22	34.22	34.22	34.22	34.22	34.22	34.22	0.3%
Pumped Storage/Other 3/	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	0.3%
Fuel Cells	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
Renewable Sources 4/	12.11	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.36	12.42	12.48	12.56	0.3%
Distributed Generation 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
Total Capacity	207.81	211.76	216.56	219.07	222.97	226.48	230.38	233.80	238.08	243.00	247.49	250.86	255.46	1.6%
Cumulative Planned Additions 6/														
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	N/A
Combustion Turbine/Diesel	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	N/A
Nuclear Power	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
Pumped Storage/Other 3/	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	N/A
Fuel Cells	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
Renewable Sources 4/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Distributed Generation 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
Total Planned Additions	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83	N/A
Cumulative Unplanned Additions 6/														
Coal Steam	4.64	6.07	9.91	12.06	14.90	17.87	20.35	22.45	23.66	27.36	30.18	33.00	36.88	N/A
Other Fossil Steam 2/	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
Combined Cycle	14.19	16.81	17.37	17.63	18.33	19.02	19.76	20.41	22.50	22.70	23.50	23.80	24.19	N/A
Combustion Turbine/Diesel	1.07	1.30	1.48	1.57	2.02	2.40	3.17	3.85	4.83	5.75	6.55	6.75	7.26	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.33	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.58	0.64	0.70	0.78	N/A
Distributed Generation 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
Total Unplanned Additions	20.23	24.67	29.24	31.75	35.74	39.77	43.77	47.19	51.47	56.38	60.88	64.25	69.11	N/A
Cumulative Total Additions	44.05	48.50	53.07	55.58	59.56	63.59	67.60	71.02	75.30	80.21	84.70	88.08	92.94	N/A
Cumulative Retirements 7/														
Coal Steam	0.47	1.00	1.00	1.00	1.00	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.78	N/A
Other Fossil Steam 3/	11.83	12.14	12.14	12.14	12.21	12.21	12.32	12.32	12.32	12.32	12.32	12.32	12.32	N/A
Combined Cycle	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
Combustion Turbine/Diesel	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	N/A
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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
Total	14.64	15.47	15.47	15.47	15.55	16.07	16.18	16.18	16.18	16.18	16.18	16.18	16.44	N/A
Combined Heat and Power 8/														
Capacity														
Coal	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	0.0%
Petroleum	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

Table 68. Electric Power Projections for EMM Region
Southeastern Electric Reliability Council

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Natural Gas	5.78	5.89	6.02	6.16	6.31	6.50	6.69	6.91	7.15	7.41	7.66	7.95	8.22	2.7%
Other Gaseous Fuels	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
Renewable Sources 4/	3.40	3.50	3.59	3.66	3.75	3.84	3.93	4.02	4.10	4.20	4.29	4.40	4.50	2.7%
Other	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	N/A
Total	10.34	10.55	10.77	10.99	11.22	11.50	11.79	12.10	12.42	12.78	13.12	13.52	13.88	2.4%
Other End Use Generators	0.75	0.75	0.77	0.78	0.80	0.81	0.83	0.86	0.89	0.92	0.95	0.98	1.01	2.5%
Electricity Demand (billion kilowatthours)														
Residential	354.21	359.37	364.69	370.63	374.62	379.61	384.81	390.88	394.82	399.99	405.55	412.55	417.83	1.7%
Commercial/Other	320.86	329.41	337.78	346.21	354.82	363.69	372.71	381.59	390.41	399.07	407.64	416.20	424.96	2.5%
Industrial	295.43	300.59	304.74	308.31	312.73	317.25	322.72	327.20	331.84	337.47	342.90	348.74	353.76	1.6%
Transportation	5.41	5.57	5.73	5.89	6.08	6.27	6.46	6.68	6.90	7.12	7.34	7.57	7.78	2.9%
Total Sales	975.91	994.94	1012.95	1031.03	1048.25	1066.81	1086.71	1106.36	1123.97	1143.65	1163.43	1185.06	1204.34	2.0%
Net Energy for Load (billion kilowatthours) 7/														
Gross International Imports	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
Gross International Exports	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
Gross Interregional Electricity Imports	65.16	59.80	53.30	47.76	46.69	39.78	40.20	36.36	40.42	36.16	38.09	27.31	29.44	-3.1%
Gross Interregional Electricity Exports	47.08	46.40	47.43	45.00	46.44	44.31	44.73	44.15	42.86	44.26	44.79	45.58	49.25	-0.5%
Purchases from Combined Heat and Power 8/	16.25	16.79	17.33	17.87	18.45	19.10	19.86	20.65	21.41	22.33	23.22	24.27	25.20	4.8%
Electric Power Sector Generation for Customers	978.36	1001.77	1027.40	1048.36	1067.63	1090.50	1111.14	1134.03	1147.23	1172.31	1191.59	1223.44	1244.55	1.9%
Total Net Energy for Load	1012.68	1031.96	1050.60	1068.99	1086.33	1105.08	1126.46	1146.89	1166.20	1186.55	1208.11	1229.44	1249.94	1.8%
Generation by Fuel Type (billion kilowatthours)														
Coal	542.46	549.47	576.18	592.07	612.14	629.38	647.84	663.95	673.70	699.75	720.36	741.34	766.73	2.2%
Petroleum	3.14	3.08	2.86	3.00	2.86	2.71	2.70	2.77	2.71	2.77	2.64	2.77	2.76	-7.1%
Natural Gas	145.90	158.65	155.32	160.56	158.89	165.20	166.78	173.54	176.41	175.15	172.78	184.31	179.28	3.8%
Nuclear	271.80	274.98	277.05	277.28	277.44	277.51	277.58	277.65	277.68	277.68	277.68	277.68	277.68	0.5%
Pumped Storage/Other 3/	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-12.2%
Renewable Sources 4/	39.79	40.33	40.25	40.23	40.22	40.20	40.19	40.18	40.20	40.58	40.95	41.28	41.71	1.8%
Total Generation	1002.93	1026.34	1051.48	1072.97	1091.38	1114.84	1134.92	1157.92	1170.53	1195.76	1214.24	1247.21	1267.99	1.9%
Sales to Customers	998.56	1021.97	1047.11	1068.60	1087.01	1110.47	1130.55	1153.55	1166.17	1191.39	1209.87	1242.85	1263.63	1.9%
Generation for Own Use	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	1.3%
Distributed Generation 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
Combined Heat and Power														
Coal	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	0.0%
Petroleum	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.05	2.05	2.06	2.07	2.08	2.09	0.5%
Natural Gas	37.11	37.93	38.89	39.96	41.08	42.39	43.83	45.54	47.22	49.17	51.03	53.21	55.15	3.4%
Other Gaseous Fuels	2.38	2.38	2.38	2.38	2.38	2.38	2.42	2.46	2.47	2.51	2.55	2.61	2.63	1.4%
Renewable Sources 4/	14.34	14.72	15.06	15.36	15.68	16.04	16.41	16.74	17.06	17.44	17.81	18.21	18.60	2.5%
Other	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	0.0%
Total	65.06	66.27	67.56	68.93	70.38	72.04	73.91	75.99	78.01	80.38	82.66	85.32	87.67	2.5%
Other End Use Generators	1.70	1.71	1.73	1.75	1.77	1.79	1.81	1.85	1.89	1.93	1.98	2.02	2.07	1.6%
Sales to Utilities	16.25	16.79	17.33	17.87	18.45	19.10	19.86	20.65	21.41	22.33	23.22	24.27	25.20	4.8%
Generation for Own Use	50.51	51.18	51.96	52.81	53.70	54.72	55.86	57.20	58.49	59.99	61.42	63.08	64.55	1.9%
End-Use Prices (2001 cents per kilowatthour)														

Table 68. Electric Power Projections for EMM Region
Southeastern Electric Reliability Council

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.3	7.3	7.3	-0.3%
Commercial	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.7	0.0%
Industrial	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	-0.1%
Transportation	5.9	5.8	5.8	5.8	5.7	5.7	5.7	5.6	5.5	5.5	5.5	5.4	5.4	-0.9%
All Sectors Average	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	-0.1%
Prices by Service Category														
(2001 cents per kilowatthour)														
Generation	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	-0.5%
Transmission	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4%
Distribution	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.2%
Fuel Consumption (quadrillion Btu) 9/														
Coal	5.36	5.41	5.64	5.77	5.94	6.07	6.23	6.37	6.45	6.67	6.84	7.02	7.22	1.8%
Natural Gas	1.10	1.18	1.15	1.19	1.17	1.22	1.23	1.27	1.28	1.27	1.25	1.34	1.30	2.4%
Oil	0.09	0.09	0.09	0.09	0.08	0.09	0.08	0.09	0.08	0.08	0.08	0.09	0.08	-3.4%
Total	6.55	6.68	6.87	7.05	7.19	7.38	7.54	7.73	7.81	8.02	8.17	8.44	8.61	1.8%
Emissions (million tons) 10/														
Total Carbon	168.84	171.53	177.29	181.70	186.15	190.67	195.25	199.94	202.43	208.47	212.99	219.37	224.55	2.0%
Carbon Dioxide	619.08	628.93	650.05	666.24	682.56	699.13	715.91	733.11	742.24	764.38	780.95	804.36	823.34	2.0%
Sulfur Dioxide	2.07	2.06	2.08	2.08	2.09	2.11	2.10	2.05	2.10	2.08	2.02	1.95	1.92	-1.8%
Nitrogen Oxide	0.90	0.90	0.90	0.91	0.92	0.92	0.93	0.93	0.94	0.95	0.95	0.96	0.97	0.8%

Table 68. Electric Power Projections for EMM Region
Southeastern Electric Reliability Council

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860, "Annual Electric Generator Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.
2/ Includes oil-, gas-, and dual-fired capacity.
3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
5/ Primarily peak-load capacity fueled by natural gas.
6/ Cumulative additions after December 31, 2001.
7/ Generation to meet system load by source.
8/ Combined heat and power produces electricity and other useful thermal energy (such as steam or heat) through the sequential use of energy.
9/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.
10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).
O&M = Operation and maintenance.
EMM = Electricity market module.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Other 2001 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, July 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 68. Electric Power Projections for EMM Region
Southeastern Electric Reliability Council

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electricity Generating Capacity 1/													
(gigawatts)													
Coal Steam	71.53	71.64	71.52	71.26	71.26	71.27	71.27	71.16	71.16	71.51	72.60	73.94	74.32
Other Fossil Steam 2/	19.01	19.01	18.98	18.78	18.76	13.59	7.19	7.19	7.14	7.14	7.10	7.10	7.10
Combined Cycle	7.41	11.75	21.07	28.31	28.83	28.83	28.83	28.83	28.83	31.35	34.69	38.36	40.10
Combustion Turbine/Diesel	19.15	23.30	29.14	30.43	30.43	29.85	29.65	28.39	28.39	28.30	28.52	28.86	29.01
Nuclear Power	31.88	32.05	32.08	32.20	32.48	32.84	32.91	33.04	33.04	33.05	33.21	33.21	33.36
Pumped Storage/Other 3/	6.40	6.47	6.81	6.87	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94
Fuel Cells	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
Renewable Sources 4/	11.75	11.76	11.78	11.78	11.78	11.78	11.78	11.78	11.78	11.86	11.89	11.91	12.05
Distributed Generation 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
Total Capacity	167.13	175.96	191.38	199.64	200.47	195.10	188.57	187.33	187.28	190.15	194.95	200.32	202.88
Cumulative Planned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	9.18	15.88	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40
Combustion Turbine/Diesel	0.00	0.00	5.88	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10
Nuclear Power	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
Pumped Storage/Other 3/	0.00	0.00	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Distributed Generation 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
Total Planned Additions	0.00	0.00	15.39	23.31	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83
Cumulative Unplanned Additions 6/													
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	1.44	2.78	3.16
Other Fossil Steam 2/	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
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.52	5.86	9.53	11.27
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.40	0.74	0.89
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.11	0.13	0.27
Distributed Generation 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
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.12	7.80	13.18	15.59
Cumulative Total Additions	0.00	0.00	15.39	23.31	23.83	23.83	23.83	23.83	23.83	26.95	31.63	37.00	39.42
Cumulative Retirements 7/													
Coal Steam	0.00	0.00	0.12	0.38	0.38	0.36	0.36	0.47	0.47	0.47	0.47	0.47	0.47
Other Fossil Steam 3/	0.00	0.00	0.00	0.14	0.17	5.34	11.74	11.74	11.78	11.78	11.83	11.83	11.83
Combined Cycle	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
Combustion Turbine/Diesel	0.00	0.00	0.00	0.03	0.03	0.61	0.81	2.07	2.07	2.34	2.34	2.34	2.34
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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	0.00	0.00	0.12	0.55	0.58	6.32	12.91	14.28	14.33	14.60	14.64	14.64	14.64
Combined Heat and Power 8/													
Capacity													
Coal	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05
Petroleum	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

Table 68. Electric Power Projections for EMM Region
Southeastern Electric Reliability Council

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Natural Gas	4.22	4.30	4.45	4.56	4.64	4.78	4.92	5.06	5.20	5.34	5.45	5.57	5.67
Other Gaseous Fuels	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
Renewable Sources 4/	2.35	2.35	2.35	2.46	2.55	2.62	2.68	2.75	2.83	2.95	3.08	3.20	3.30
Other	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Total	7.73	7.82	7.96	8.19	8.36	8.57	8.76	8.98	9.20	9.45	9.70	9.93	10.14
Other End Use Generators	0.55	0.56	0.57	0.57	0.59	0.60	0.62	0.64	0.67	0.70	0.74	0.74	0.75
Electricity Demand													
(billion kilowatthours)													
Residential	276.61	278.70	286.21	297.19	303.65	308.65	314.32	320.46	327.84	332.89	339.02	344.13	350.31
Commercial/Other	226.16	233.03	241.45	245.45	252.33	258.85	265.76	273.00	280.57	288.06	296.01	304.11	312.48
Industrial	256.18	240.75	224.21	235.54	240.69	243.28	248.57	255.37	263.07	268.73	276.53	283.58	290.20
Transportation	3.75	3.88	4.00	4.10	4.20	4.32	4.43	4.55	4.68	4.82	4.96	5.11	5.27
Total Sales	762.70	756.35	755.86	782.28	800.86	815.09	833.08	853.39	876.15	894.50	916.52	936.94	958.26
Net Energy for Load (billion kilowatthours) 7/													
Gross International Imports	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
Gross International Exports	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
Gross Interregional Electricity Imports	62.14	62.87	59.43	70.82	71.21	69.03	67.27	68.66	69.17	74.33	70.91	68.82	69.65
Gross Interregional Electricity Exports	46.57	55.44	60.80	66.96	66.47	60.68	59.54	58.70	56.07	54.78	52.29	49.33	46.51
Purchases from Combined Heat and Power 8/	8.88	8.27	9.72	10.33	10.79	11.41	11.99	12.62	13.23	13.93	14.57	15.18	15.72
Electric Power Sector Generation for Customers	792.82	796.98	782.56	802.44	817.34	828.25	845.24	863.37	881.37	893.18	916.19	938.29	955.30
Total Net Energy for Load	817.27	812.68	790.90	816.63	832.87	848.00	864.96	885.95	907.70	926.66	949.38	972.97	994.16
Generation by Fuel Type													
(billion kilowatthours)													
Coal	467.21	451.38	437.33	443.65	455.22	469.54	485.51	497.96	501.83	506.73	516.18	526.94	531.11
Petroleum	10.27	16.10	3.53	2.70	2.82	2.67	2.49	2.53	3.10	2.98	3.10	3.02	3.16
Natural Gas	63.27	72.43	81.14	91.42	93.97	86.28	87.75	84.70	99.78	105.85	117.49	126.38	137.82
Nuclear	246.14	248.06	247.39	248.62	251.28	254.79	255.61	264.47	264.82	265.24	267.03	267.39	268.97
Pumped Storage/Other 3/	-1.12	-3.95	-0.14	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17
Renewable Sources 4/	20.69	27.22	32.35	37.22	38.30	38.61	38.70	38.57	38.65	39.08	39.14	39.16	39.61
Total Generation	806.46	811.24	801.60	823.43	841.42	851.72	869.88	888.07	908.01	919.71	942.77	962.72	980.51
Sales to Customers	804.23	808.03	797.30	819.11	837.08	847.38	865.52	883.69	903.64	915.34	938.40	958.35	976.14
Generation for Own Use	2.22	3.20	4.30	4.33	4.35	4.34	4.36	4.38	4.37	4.37	4.37	4.37	4.37
Distributed Generation 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
Combined Heat and Power													
Coal	4.28	4.27	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28
Petroleum	1.91	1.87	2.05	2.05	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03
Natural Gas	25.03	24.95	26.93	27.77	28.59	29.65	30.69	31.74	32.76	33.82	34.68	35.53	36.30
Other Gaseous Fuels	2.02	1.90	1.98	1.98	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38
Renewable Sources 4/	10.36	10.35	10.25	10.70	11.05	11.31	11.53	11.83	12.14	12.57	13.09	13.56	13.97
Other	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92
Total	48.52	48.26	50.41	51.70	53.26	54.58	55.83	57.18	58.51	60.00	61.38	62.71	63.88
Other End Use Generators	1.41	1.41	1.44	1.45	1.46	1.48	1.51	1.54	1.58	1.62	1.68	1.68	1.69
Sales to Utilities	8.88	8.27	9.72	10.33	10.79	11.41	11.99	12.62	13.23	13.93	14.57	15.18	15.72
Generation for Own Use	41.06	41.40	42.12	42.82	43.93	44.65	45.36	46.10	46.85	47.69	48.49	49.21	49.85
End-Use Prices													
(2001 cents per kilowatthour)													

Table 68. Electric Power Projections for EMM Region
Southeastern Electric Reliability Council

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	7.7	7.8	7.6	7.3	7.5	7.5	7.3	7.2	7.1	7.1	7.1	7.2	7.1
Commercial	6.6	6.7	6.6	6.5	6.6	6.6	6.5	6.3	6.3	6.3	6.3	6.4	6.4
Industrial	4.2	4.3	4.1	4.1	4.1	4.2	4.1	4.0	4.0	4.0	4.0	4.0	4.0
Transportation	6.6	6.7	6.4	6.3	6.4	6.4	6.2	6.1	6.0	5.9	6.0	5.9	5.9
All Sectors Average	6.2	6.3	6.2	6.1	6.2	6.2	6.1	6.0	5.9	5.9	5.9	6.0	5.9
Prices by Service Category													
(2001 cents per kilowatthour)													
Generation	4.0	4.2	4.2	4.0	4.0	4.0	3.9	3.7	3.7	3.7	3.7	3.7	3.7
Transmission	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5
Distribution	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Fuel Consumption (quadrillion Btu) 9/													
Coal	4.85	4.71	4.35	4.42	4.53	4.67	4.84	4.96	5.01	5.06	5.14	5.23	5.27
Natural Gas	0.72	0.74	0.69	0.74	0.76	0.70	0.72	0.69	0.82	0.85	0.93	0.97	1.05
Oil	0.14	0.19	0.09	0.09	0.11	0.10	0.09	0.09	0.11	0.10	0.10	0.09	0.09
Total	5.71	5.64	5.13	5.25	5.40	5.47	5.65	5.75	5.93	6.01	6.17	6.29	6.42
Emissions (million tons) 10/													
Total Carbon	141.25	138.07	133.68	136.33	139.87	142.80	147.54	150.76	154.07	156.01	159.64	163.00	165.42
Carbon Dioxide	517.90	506.26	490.17	499.89	512.85	523.59	540.99	552.78	564.93	572.04	585.34	597.66	606.54
Sulfur Dioxide	3.04	2.94	2.94	2.97	2.98	2.99	3.00	2.80	2.73	2.65	2.52	2.30	2.11
Nitrogen Oxide	0.85	0.79	0.87	0.88	0.78	0.80	0.82	0.86	0.87	0.88	0.89	0.89	0.90

Table 68. Electric Power Projections for EMM Region
Southeastern Electric Reliability Council

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electricity Generating Capacity 1/ (gigawatts)														
Coal Steam	75.80	76.71	80.55	82.70	85.54	87.98	90.47	92.57	93.78	97.47	100.30	103.12	106.74	1.7%
Other Fossil Steam 2/	7.10	6.79	6.79	6.79	6.71	6.71	6.61	6.61	6.61	6.61	6.61	6.61	6.61	-4.3%
Combined Cycle	43.02	45.65	46.20	46.46	47.16	47.85	48.59	49.24	51.33	51.53	52.33	52.63	53.02	6.5%
Combustion Turbine/Diesel	29.19	29.42	29.60	29.69	30.14	30.52	31.30	31.97	32.95	33.87	34.68	34.87	35.38	1.8%
Nuclear Power	33.65	34.00	34.22	34.22	34.22	34.22	34.22	34.22	34.22	34.22	34.22	34.22	34.22	0.3%
Pumped Storage/Other 3/	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	0.3%
Fuel Cells	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
Renewable Sources 4/	12.11	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.36	12.42	12.48	12.56	0.3%
Distributed Generation 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
Total Capacity	207.81	211.76	216.56	219.07	222.97	226.48	230.38	233.80	238.08	243.00	247.49	250.86	255.46	1.6%
Cumulative Planned Additions 6/														
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	16.40	N/A
Combustion Turbine/Diesel	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	N/A
Nuclear Power	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
Pumped Storage/Other 3/	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	N/A
Fuel Cells	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
Renewable Sources 4/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Distributed Generation 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
Total Planned Additions	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83	23.83	N/A
Cumulative Unplanned Additions 6/														
Coal Steam	4.64	6.07	9.91	12.06	14.90	17.87	20.35	22.45	23.66	27.36	30.18	33.00	36.88	N/A
Other Fossil Steam 2/	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
Combined Cycle	14.19	16.81	17.37	17.63	18.33	19.02	19.76	20.41	22.50	22.70	23.50	23.80	24.19	N/A
Combustion Turbine/Diesel	1.07	1.30	1.48	1.57	2.02	2.40	3.17	3.85	4.83	5.75	6.55	6.75	7.26	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.33	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.58	0.64	0.70	0.78	N/A
Distributed Generation 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
Total Unplanned Additions	20.23	24.67	29.24	31.75	35.74	39.77	43.77	47.19	51.47	56.38	60.88	64.25	69.11	N/A
Cumulative Total Additions	44.05	48.50	53.07	55.58	59.56	63.59	67.60	71.02	75.30	80.21	84.70	88.08	92.94	N/A
Cumulative Retirements 7/														
Coal Steam	0.47	1.00	1.00	1.00	1.00	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.78	N/A
Other Fossil Steam 3/	11.83	12.14	12.14	12.14	12.21	12.21	12.32	12.32	12.32	12.32	12.32	12.32	12.32	N/A
Combined Cycle	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
Combustion Turbine/Diesel	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	N/A
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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
Total	14.64	15.47	15.47	15.47	15.55	16.07	16.18	16.18	16.18	16.18	16.18	16.18	16.44	N/A
Combined Heat and Power 8/														
Capacity														
Coal	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	0.0%
Petroleum	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

Table 68. Electric Power Projections for EMM Region
Southeastern Electric Reliability Council

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Natural Gas	5.78	5.89	6.02	6.16	6.31	6.50	6.69	6.91	7.15	7.41	7.66	7.95	8.22	2.7%
Other Gaseous Fuels	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
Renewable Sources 4/	3.40	3.50	3.59	3.66	3.75	3.84	3.93	4.02	4.10	4.20	4.29	4.40	4.50	2.7%
Other	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	N/A
Total	10.34	10.55	10.77	10.99	11.22	11.50	11.79	12.10	12.42	12.78	13.12	13.52	13.88	2.4%
Other End Use Generators	0.75	0.75	0.77	0.78	0.80	0.81	0.83	0.86	0.89	0.92	0.95	0.98	1.01	2.5%
Electricity Demand														
(billion kilowatthours)														
Residential	354.21	359.37	364.69	370.63	374.62	379.61	384.81	390.88	394.82	399.99	405.55	412.55	417.83	1.7%
Commercial/Other	320.86	329.41	337.78	346.21	354.82	363.69	372.71	381.59	390.41	399.07	407.64	416.20	424.96	2.5%
Industrial	295.43	300.59	304.74	308.31	312.73	317.25	322.72	327.20	331.84	337.47	342.90	348.74	353.76	1.6%
Transportation	5.41	5.57	5.73	5.89	6.08	6.27	6.46	6.68	6.90	7.12	7.34	7.57	7.78	2.9%
Total Sales	975.91	994.94	1012.95	1031.03	1048.25	1066.81	1086.71	1106.36	1123.97	1143.65	1163.43	1185.06	1204.34	2.0%
Net Energy for Load (billion kilowatthours) 7/														
Gross International Imports	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
Gross International Exports	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
Gross Interregional Electricity Imports	65.16	59.80	53.30	47.76	46.69	39.78	40.20	36.36	40.42	36.16	38.09	27.31	29.44	-3.1%
Gross Interregional Electricity Exports	47.08	46.40	47.43	45.00	46.44	44.31	44.73	44.15	42.86	44.26	44.79	45.58	49.25	-0.5%
Purchases from Combined Heat and Power 8/	16.25	16.79	17.33	17.87	18.45	19.10	19.86	20.65	21.41	22.33	23.22	24.27	25.20	4.8%
Electric Power Sector Generation for Customers	978.36	1001.77	1027.40	1048.36	1067.63	1090.50	1111.14	1134.03	1147.23	1172.31	1191.59	1223.44	1244.55	1.9%
Total Net Energy for Load	1012.68	1031.96	1050.60	1068.99	1086.33	1105.08	1126.46	1146.89	1166.20	1186.55	1208.11	1229.44	1249.94	1.8%
Generation by Fuel Type														
(billion kilowatthours)														
Coal	542.46	549.47	576.18	592.07	612.14	629.38	647.84	663.95	673.70	699.75	720.36	741.34	766.73	2.2%
Petroleum	3.14	3.08	2.86	3.00	2.86	2.71	2.70	2.77	2.71	2.77	2.64	2.77	2.76	-7.1%
Natural Gas	145.90	158.65	155.32	160.56	158.89	165.20	166.78	173.54	176.41	175.15	172.78	184.31	179.28	3.8%
Nuclear	271.80	274.98	277.05	277.28	277.44	277.51	277.58	277.65	277.68	277.68	277.68	277.68	277.68	0.5%
Pumped Storage/Other 3/	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-12.2%
Renewable Sources 4/	39.79	40.33	40.25	40.23	40.22	40.20	40.19	40.18	40.20	40.58	40.95	41.28	41.71	1.8%
Total Generation	1002.93	1026.34	1051.48	1072.97	1091.38	1114.84	1134.92	1157.92	1170.53	1195.76	1214.24	1247.21	1267.99	1.9%
Sales to Customers	998.56	1021.97	1047.11	1068.60	1087.01	1110.47	1130.55	1153.55	1166.17	1191.39	1209.87	1242.85	1263.63	1.9%
Generation for Own Use	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	1.3%
Distributed Generation 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
Combined Heat and Power														
Coal	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	4.28	0.0%
Petroleum	2.03	2.03	2.03	2.03	2.03	2.03	2.04	2.05	2.05	2.06	2.07	2.08	2.09	0.5%
Natural Gas	37.11	37.93	38.89	39.96	41.08	42.39	43.83	45.54	47.22	49.17	51.03	53.21	55.15	3.4%
Other Gaseous Fuels	2.38	2.38	2.38	2.38	2.38	2.38	2.42	2.46	2.47	2.51	2.55	2.61	2.63	1.4%
Renewable Sources 4/	14.34	14.72	15.06	15.36	15.68	16.04	16.41	16.74	17.06	17.44	17.81	18.21	18.60	2.5%
Other	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	4.92	0.0%
Total	65.06	66.27	67.56	68.93	70.38	72.04	73.91	75.99	78.01	80.38	82.66	85.32	87.67	2.5%
Other End Use Generators	1.70	1.71	1.73	1.75	1.77	1.79	1.81	1.85	1.89	1.93	1.98	2.02	2.07	1.6%
Sales to Utilities	16.25	16.79	17.33	17.87	18.45	19.10	19.86	20.65	21.41	22.33	23.22	24.27	25.20	4.8%
Generation for Own Use	50.51	51.18	51.96	52.81	53.70	54.72	55.86	57.20	58.49	59.99	61.42	63.08	64.55	1.9%
End-Use Prices														
(2001 cents per kilowatthour)														

Table 68. Electric Power Projections for EMM Region
Southeastern Electric Reliability Council

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.3	7.3	7.3	-0.3%
Commercial	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.7	0.0%
Industrial	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	-0.1%
Transportation	5.9	5.8	5.8	5.8	5.7	5.7	5.7	5.6	5.5	5.5	5.5	5.4	5.4	-0.9%
All Sectors Average	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	-0.1%
Prices by Service Category														
(2001 cents per kilowatthour)														
Generation	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	-0.5%
Transmission	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.4%
Distribution	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.2%
Fuel Consumption (quadrillion Btu) 9/														
Coal	5.36	5.41	5.64	5.77	5.94	6.07	6.23	6.37	6.45	6.67	6.84	7.02	7.22	1.8%
Natural Gas	1.10	1.18	1.15	1.19	1.17	1.22	1.23	1.27	1.28	1.27	1.25	1.34	1.30	2.4%
Oil	0.09	0.09	0.09	0.09	0.08	0.09	0.08	0.09	0.08	0.08	0.08	0.09	0.08	-3.4%
Total	6.55	6.68	6.87	7.05	7.19	7.38	7.54	7.73	7.81	8.02	8.17	8.44	8.61	1.8%
Emissions (million tons) 10/														
Total Carbon	168.84	171.53	177.29	181.70	186.15	190.67	195.25	199.94	202.43	208.47	212.99	219.37	224.55	2.0%
Carbon Dioxide	619.08	628.93	650.05	666.24	682.56	699.13	715.91	733.11	742.24	764.38	780.95	804.36	823.34	2.0%
Sulfur Dioxide	2.07	2.06	2.08	2.08	2.09	2.11	2.10	2.05	2.10	2.08	2.02	1.95	1.92	-1.8%
Nitrogen Oxide	0.90	0.90	0.90	0.91	0.92	0.92	0.93	0.93	0.94	0.95	0.95	0.96	0.97	0.8%

Table 69. Electric Power Projections for EMM Region
Southwest Power Pool

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860, "Annual Electric Generator Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.
2/ Includes oil-, gas-, and dual-fired capacity.
3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
5/ Primarily peak-load capacity fueled by natural gas.
6/ Cumulative additions after December 31, 2001.
7/ Generation to meet system load by source.
8/ Combined heat and power produces electricity and other useful thermal energy (such as steam or heat) through the sequential use of energy.
9/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.
10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).
O&M = Operation and maintenance.
EMM = Electricity market module.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Other 2001 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, July 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 70. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/Northwest Power Pool Area

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electricity Generating Capacity 1/													
(gigawatts)													
Coal Steam	10.99	10.99	10.99	10.99	10.99	10.99	10.99	11.23	11.23	11.23	11.23	11.23	11.23
Other Fossil Steam 2/	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
Combined Cycle	2.08	2.08	3.35	3.89	3.89	4.51	5.59	7.54	8.16	9.23	10.48	12.08	13.07
Combustion Turbine/Diesel	1.20	1.55	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31
Nuclear Power	1.11	1.11	1.11	1.11	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Pumped Storage/Other 3/	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Fuel Cells	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
Renewable Sources 4/	36.20	36.29	36.45	36.78	36.86	37.11	37.34	37.52	37.59	37.71	37.76	37.91	37.96
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.03	0.05	0.07	0.09	0.12	0.14	0.21	0.27	0.34
Total Capacity	52.61	53.06	55.24	56.11	56.23	57.12	58.45	60.84	61.56	62.77	64.14	65.95	67.06
Cumulative Planned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	1.27	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81
Combustion Turbine/Diesel	0.00	0.00	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.16	0.49	0.57	0.74	0.87	0.98	0.98	1.07	1.07	1.15	1.17
Distributed Generation 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
Total Planned Additions	0.00	0.00	2.18	3.05	3.13	3.30	3.43	3.54	3.54	3.63	3.63	3.71	3.73
Cumulative Unplanned Additions 6/													
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.24	0.24	0.24	0.24	0.24
Other Fossil Steam 2/	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
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.62	1.70	3.65	4.27	5.34	6.59	8.19	9.18
Combustion Turbine/Diesel	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
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.08	0.18	0.25	0.33	0.35	0.43	0.50	0.53
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.03	0.05	0.07	0.09	0.12	0.14	0.21	0.27	0.34
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.03	0.75	1.95	4.23	4.95	6.08	7.46	9.20	10.28
Cumulative Total Additions	0.00	0.00	2.18	3.05	3.16	4.05	5.38	7.77	8.49	9.70	11.10	12.91	14.02
Cumulative Retirements 7/													
Coal Steam	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 Fossil Steam 3/	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
Combined Cycle	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
Combustion Turbine/Diesel	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
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.03
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.03
Combined Heat and Power 8/													
Capacity													
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
Petroleum	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
Natural Gas	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22

Table 70. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/Northwest Power Pool Area

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Other Gaseous Fuels	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 Sources 4/	0.38	0.38	0.38	0.39	0.41	0.42	0.43	0.44	0.45	0.47	0.49	0.51	0.53
Other	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	0.65	0.66	0.66	0.69	0.70	0.72	0.74	0.75	0.77	0.79	0.82	0.84	0.86
Other End Use Generators	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.12
Electricity Demand (billion kilowatthours)													
Residential	70.20	70.07	72.43	75.54	77.34	78.43	79.49	80.46	81.65	82.31	83.19	84.10	85.39
Commercial/Other	70.19	72.06	73.98	76.78	79.75	82.11	84.34	86.64	89.07	91.66	94.37	97.24	100.21
Industrial	83.26	79.18	77.13	80.97	84.22	85.72	87.79	90.18	92.94	95.08	97.84	100.41	102.72
Transportation	1.67	1.73	1.84	1.89	1.94	2.00	2.06	2.12	2.19	2.26	2.33	2.41	2.49
Total Sales	225.31	223.04	225.38	235.17	243.25	248.26	253.69	259.40	265.85	271.31	277.74	284.16	290.81
Net Energy for Load (billion kilowatthours) 7/													
Gross International Imports	5.16	6.72	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.48	1.31	1.16
Gross International Exports	6.50	8.30	9.96	9.52	13.24	13.26	13.29	13.32	13.34	13.37	12.43	11.47	10.50
Gross Interregional Electricity Imports	24.63	42.66	30.81	24.73	23.99	19.85	18.50	18.19	18.05	17.84	16.20	14.47	12.63
Gross Interregional Electricity Exports	30.82	28.20	27.73	35.08	31.31	29.98	31.36	37.48	36.57	38.20	37.90	36.52	32.26
Purchases from Combined Heat and Power 8/	0.51	0.48	0.56	0.59	0.62	0.65	0.68	0.71	0.75	0.78	0.82	0.85	0.88
Electric Power Sector Generation for Customers	238.85	195.41	235.44	257.72	266.90	275.36	283.58	297.21	302.95	310.62	318.40	326.04	331.04
Total Net Energy for Load	231.83	208.77	230.75	240.08	248.59	254.26	259.74	266.96	273.47	279.30	286.56	294.69	302.96
Generation by Fuel Type (billion kilowatthours)													
Coal	77.19	73.83	78.10	77.49	79.61	81.53	83.35	86.87	85.49	85.51	85.53	85.48	85.53
Petroleum	1.12	1.89	0.02	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Natural Gas	20.76	21.63	23.90	28.00	31.67	37.18	42.36	49.84	56.58	63.47	70.19	75.58	78.79
Nuclear	8.60	8.25	8.90	8.90	8.98	8.98	8.98	8.98	8.98	8.98	8.98	8.98	8.98
Pumped Storage/Other 3/	0.26	0.26	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22
Renewable Sources 4/	140.69	99.34	136.87	156.92	160.22	161.18	162.35	163.50	164.25	164.75	165.30	166.15	166.55
Total Generation	248.63	205.21	247.56	271.11	280.30	288.70	296.85	309.01	315.10	322.52	329.81	336.00	339.67
Sales to Customers	247.81	204.39	246.71	270.25	279.43	287.83	295.98	308.13	314.23	321.64	328.94	335.13	338.80
Generation for Own Use	0.82	0.82	0.85	0.86	0.86	0.87	0.87	0.88	0.87	0.87	0.87	0.87	0.87
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.01	0.09	0.17	0.29	0.30	0.31	0.34	0.37	0.40
Combined Heat and Power													
Coal	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
Petroleum	0.12	0.12	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Natural Gas	1.35	1.35	1.46	1.50	1.55	1.60	1.66	1.72	1.77	1.83	1.88	1.92	1.96
Other Gaseous Fuels	0.12	0.12	0.12	0.12	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Renewable Sources 4/	0.54	0.54	0.53	0.56	0.58	0.59	0.60	0.62	0.63	0.65	0.68	0.71	0.73
Other	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Total	2.99	2.98	3.10	3.17	3.25	3.32	3.39	3.46	3.53	3.61	3.69	3.76	3.82
Other End Use Generators	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09
Sales to Utilities	0.51	0.48	0.56	0.59	0.62	0.65	0.68	0.71	0.75	0.78	0.82	0.85	0.88
Generation for Own Use	2.55	2.57	2.61	2.65	2.71	2.75	2.79	2.83	2.87	2.91	2.96	2.99	3.03
End-Use Prices (2001 cents per kilowatthour)													
Residential	6.0	6.6	6.8	6.0	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.6
Commercial	5.5	6.2	6.4	5.5	5.5	5.6	5.6	5.7	5.8	5.8	5.9	5.8	5.9

Table 70. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/Northwest Power Pool Area

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Industrial	3.2	3.4	3.6	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.3	3.4
Transportation	5.5	6.0	6.2	5.4	5.4	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.4
All Sectors Average	4.8	5.3	5.6	4.8	4.9	4.9	5.0	5.1	5.1	5.2	5.2	5.2	5.2
Prices by Service Category													
(2001 cents per kilowatthour)													
Generation	2.3	2.8	3.1	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.7
Transmission	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9
Distribution	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5
Fuel Consumption (quadrillion Btu) 9/													
Coal	0.82	0.79	0.83	0.82	0.85	0.87	0.89	0.92	0.91	0.91	0.91	0.91	0.91
Natural Gas	0.21	0.22	0.21	0.24	0.28	0.32	0.35	0.40	0.44	0.49	0.53	0.56	0.58
Oil	0.08	0.09	0.09	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.08	0.07	0.06
Total	1.11	1.10	1.12	1.17	1.23	1.29	1.34	1.40	1.44	1.48	1.52	1.54	1.55
Emissions (million tons) 10/													
Total Carbon	29.18	29.47	27.06	27.42	28.67	29.91	30.93	32.62	32.97	33.69	34.39	34.85	35.17
Carbon Dioxide	106.98	108.07	99.20	100.54	105.11	109.68	113.39	119.62	120.89	123.55	126.09	127.80	128.96
Sulfur Dioxide	0.20	0.16	0.14	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Nitrogen Oxide	0.17	0.16	0.15	0.15	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.17

Table 70. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/Northwest Power Pool Area

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electricity Generating Capacity 1/														
(gigawatts)														
Coal Steam	11.23	11.23	11.50	11.50	11.74	11.78	11.98	11.98	12.27	12.60	12.92	13.13	13.51	0.9%
Other Fossil Steam 2/	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	N/A
Combined Cycle	14.57	15.85	16.14	16.14	16.28	16.28	16.28	16.42	16.74	17.12	17.41	17.62	17.80	9.4%
Combustion Turbine/Diesel	2.31	2.43	3.36	4.38	5.27	6.27	7.15	8.24	9.29	10.47	11.39	12.26	13.29	9.4%
Nuclear Power	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	0.0%
Pumped Storage/Other 3/	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	N/A
Fuel Cells	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
Renewable Sources 4/	38.19	38.22	38.28	38.39	38.42	38.50	38.64	38.87	38.94	39.00	39.04	39.21	39.35	0.3%
Distributed Generation 5/	0.41	0.62	0.85	1.08	1.30	1.52	1.73	1.96	2.20	2.46	2.71	2.97	3.24	N/A
Total Capacity	68.86	70.50	72.28	73.63	75.15	76.50	77.94	79.63	81.59	83.79	85.63	87.36	89.34	2.2%
Cumulative Planned Additions 6/														
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	N/A
Combustion Turbine/Diesel	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	1.36	1.36	1.37	1.37	1.38	1.39	1.39	1.40	1.41	1.41	1.42	1.42	1.43	N/A
Distributed Generation 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
Total Planned Additions	3.92	3.92	3.93	3.93	3.94	3.95	3.95	3.96	3.96	3.97	3.98	3.98	3.99	N/A
Cumulative Unplanned Additions 6/														
Coal Steam	0.24	0.24	0.51	0.51	0.74	0.79	0.99	0.99	1.28	1.60	1.93	2.14	2.52	N/A
Other Fossil Steam 2/	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
Combined Cycle	10.68	11.96	12.25	12.25	12.39	12.39	12.39	12.53	12.85	13.23	13.52	13.73	13.91	N/A
Combustion Turbine/Diesel	0.00	0.12	1.05	2.07	2.96	3.96	4.84	5.93	6.98	8.16	9.08	9.96	10.98	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.58	0.60	0.66	0.76	0.78	0.86	0.99	1.22	1.27	1.33	1.36	1.53	1.65	N/A
Distributed Generation 5/	0.41	0.62	0.85	1.08	1.30	1.52	1.73	1.96	2.20	2.46	2.71	2.97	3.24	N/A
Total Unplanned Additions	11.90	13.54	15.31	16.66	18.17	19.51	20.94	22.63	24.58	26.78	28.61	30.33	32.31	N/A
Cumulative Total Additions	15.81	17.46	19.24	20.59	22.11	23.46	24.90	26.59	28.55	30.75	32.59	34.31	36.30	N/A
Cumulative Retirements 7/														
Coal Steam	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 Fossil Steam 3/	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
Combined Cycle	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
Combustion Turbine/Diesel	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
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Total	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Combined Heat and Power 8/														
Capacity														
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%
Petroleum	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	0.6%
Natural Gas	0.22	0.22	0.23	0.23	0.24	0.25	0.25	0.26	0.27	0.28	0.29	0.30	0.31	2.7%

Table 70. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/Northwest Power Pool Area

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Other Gaseous Fuels	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	0.3%
Renewable Sources 4/	0.54	0.56	0.57	0.59	0.60	0.61	0.63	0.64	0.66	0.67	0.69	0.70	0.72	2.7%
Other	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	N/A
Total	0.88	0.90	0.92	0.94	0.96	0.98	1.00	1.03	1.05	1.07	1.10	1.13	1.15	2.4%
Other End Use Generators	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.15	0.15	0.16	0.16	2.5%
Electricity Demand (billion kilowatthours)														
Residential	86.23	87.17	88.13	89.18	89.90	90.88	91.97	93.22	94.00	94.95	95.94	97.11	97.79	1.4%
Commercial/Other	103.34	106.46	109.62	112.85	116.36	119.93	123.70	127.24	130.91	134.44	138.17	141.91	145.86	3.0%
Industrial	104.84	107.01	108.73	110.22	111.96	113.86	115.99	117.85	119.80	122.14	124.54	127.25	129.70	2.1%
Transportation	2.57	2.65	2.74	2.82	2.92	3.02	3.12	3.23	3.35	3.46	3.58	3.70	3.81	3.3%
Total Sales	296.98	303.29	309.22	315.07	321.13	327.68	334.78	341.54	348.06	355.00	362.23	369.97	377.17	2.2%
Net Energy for Load (billion kilowatthours) 7/														
Gross International Imports	0.98	0.82	0.65	0.49	0.33	0.16	0.08	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Gross International Exports	9.53	8.56	7.60	6.63	5.66	4.70	4.21	3.73	3.73	3.73	3.73	3.73	3.73	-3.3%
Gross Interregional Electricity Imports	11.18	9.72	8.19	6.59	5.33	3.76	3.17	2.56	2.50	2.45	2.80	2.79	3.75	-9.6%
Gross Interregional Electricity Exports	28.25	28.60	26.03	21.35	19.09	14.52	13.93	11.41	8.37	5.43	4.97	5.26	4.47	-7.4%
Purchases from Combined Heat and Power 8/	0.91	0.94	0.97	0.99	1.03	1.06	1.10	1.14	1.18	1.23	1.28	1.34	1.39	4.5%
Electric Power Sector Generation for Customers	335.76	343.27	347.48	349.82	353.33	356.61	363.14	368.06	372.37	377.14	383.88	391.87	397.75	3.0%
Total Net Energy for Load	311.04	317.58	323.67	329.92	335.25	342.38	349.35	356.62	363.96	371.66	379.26	387.00	394.69	2.7%
Generation by Fuel Type (billion kilowatthours)														
Coal	85.53	85.53	87.52	87.52	89.28	89.64	91.12	91.12	93.26	95.67	98.10	99.68	102.49	1.4%
Petroleum	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	-14.5%
Natural Gas	80.55	87.47	89.30	90.85	93.04	95.11	99.75	102.81	104.21	105.87	109.92	115.57	117.64	7.3%
Nuclear	8.98	8.98	8.98	8.98	8.98	8.98	8.98	8.98	8.98	8.98	8.98	8.98	8.98	0.4%
Pumped Storage/Other 3/	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	N/A
Renewable Sources 4/	167.77	168.14	168.43	169.17	169.33	169.99	170.93	172.69	173.07	173.48	173.74	174.81	175.67	2.4%
Total Generation	342.65	349.93	354.04	356.33	360.45	363.53	370.59	375.41	379.33	383.82	390.56	398.85	404.61	2.9%
Sales to Customers	341.77	349.06	353.17	355.46	359.57	362.66	369.72	374.54	378.45	382.95	389.68	397.98	403.73	2.9%
Generation for Own Use	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.3%
Distributed Generation 5/	0.43	0.52	0.62	0.72	0.82	0.91	1.01	1.11	1.21	1.33	1.44	1.55	1.67	N/A
Combined Heat and Power														
Coal	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.0%
Petroleum	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.5%
Natural Gas	2.01	2.05	2.10	2.16	2.22	2.29	2.37	2.46	2.55	2.66	2.76	2.88	2.98	3.4%
Other Gaseous Fuels	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	1.4%
Renewable Sources 4/	0.75	0.77	0.78	0.80	0.82	0.83	0.85	0.87	0.89	0.91	0.93	0.95	0.97	2.5%
Other	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.0%
Total	3.88	3.95	4.02	4.09	4.17	4.26	4.36	4.47	4.58	4.71	4.83	4.97	5.10	2.3%
Other End Use Generators	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	1.6%
Sales to Utilities	0.91	0.94	0.97	0.99	1.03	1.06	1.10	1.14	1.18	1.23	1.28	1.34	1.39	4.5%
Generation for Own Use	3.06	3.10	3.14	3.19	3.23	3.29	3.35	3.42	3.49	3.57	3.65	3.74	3.82	1.7%
End-Use Prices (2001 cents per kilowatthour)														
Residential	6.7	6.8	6.8	6.9	6.9	6.9	6.9	6.9	7.0	7.1	7.2	7.3	7.4	0.5%
Commercial	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.2	6.3	6.4	6.5	0.2%

Table 70. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/Northwest Power Pool Area

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Industrial	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.6	3.6	0.2%
Transportation	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2	-0.6%
All Sectors Average	5.2	5.3	5.3	5.3	5.4	5.3	5.3	5.4	5.4	5.5	5.6	5.6	5.7	0.3%
Prices by Service Category														
(2001 cents per kilowatthour)														
Generation	2.8	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.1	3.2	3.2	3.3	3.4	0.8%
Transmission	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.6%
Distribution	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	-0.9%
Fuel Consumption (quadrillion Btu) 9/														
Coal	0.91	0.91	0.93	0.93	0.94	0.94	0.96	0.96	0.97	1.00	1.02	1.03	1.05	1.2%
Natural Gas	0.58	0.63	0.64	0.65	0.66	0.68	0.71	0.73	0.74	0.75	0.78	0.81	0.83	5.7%
Oil	0.05	0.05	0.05	0.05	0.06	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-1.8%
Total	1.54	1.58	1.61	1.62	1.66	1.67	1.72	1.74	1.77	1.80	1.85	1.90	1.94	2.4%
Emissions (million tons) 10/														
Total Carbon	35.27	35.95	36.64	36.83	37.52	37.84	38.74	39.08	39.77	40.58	41.65	42.65	43.57	1.6%
Carbon Dioxide	129.33	131.83	134.35	135.06	137.56	138.75	142.04	143.30	145.81	148.81	152.72	156.37	159.77	1.6%
Sulfur Dioxide	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	-1.5%
Nitrogen Oxide	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.4%

Table 70. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/Northwest Power Pool Area

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860, "Annual Electric Generator Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.
2/ Includes oil-, gas-, and dual-fired capacity.
3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
5/ Primarily peak-load capacity fueled by natural gas.
6/ Cumulative additions after December 31, 2001.
7/ Generation to meet system load by source.
8/ Combined heat and power produces electricity and other useful thermal energy (such as steam or heat) through the sequential use of energy.
9/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.
10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).
O&M = Operation and maintenance.
EMM = Electricity market module.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Other 2001 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, July 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 71. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/Rocky Mountain Area, Arizon, New Mexico, Southern Nevada

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electricity Generating Capacity 1/													
(gigawatts)													
Coal Steam	15.61	15.61	15.61	15.61	15.61	15.61	15.50	15.50	15.50	16.18	16.18	16.81	16.81
Other Fossil Steam 2/	2.79	2.79	2.79	2.79	2.79	2.76	1.45	0.11	0.02	0.02	0.02	0.02	0.02
Combined Cycle	2.89	4.87	8.47	11.95	13.05	13.05	13.05	13.05	13.05	13.05	13.05	13.05	13.05
Combustion Turbine/Diesel	3.18	3.78	4.61	4.88	4.88	4.88	4.76	4.70	4.04	4.04	4.04	4.04	4.04
Nuclear Power	2.71	2.71	2.71	2.75	2.75	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78
Pumped Storage/Other 3/	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Fuel Cells	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
Renewable Sources 4/	5.84	6.27	6.27	6.44	6.46	6.50	6.50	6.52	6.52	6.64	6.65	6.78	6.78
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.06	0.07	0.09	0.15
Total Capacity	33.76	36.78	41.21	45.17	46.28	46.37	44.84	43.43	42.69	43.51	43.53	44.31	44.37
Cumulative Planned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	3.60	7.07	8.17	8.17	8.17	8.17	8.17	8.17	8.17	8.17	8.17
Combustion Turbine/Diesel	0.00	0.00	0.83	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.01	0.17	0.19	0.23	0.24	0.25	0.26	0.26	0.26	0.27	0.27
Distributed Generation 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
Total Planned Additions	0.00	0.00	4.43	8.35	9.46	9.51	9.52	9.53	9.53	9.54	9.54	9.54	9.55
Cumulative Unplanned Additions 6/													
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.68	1.31	1.31
Other Fossil Steam 2/	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
Combined Cycle	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
Combustion Turbine/Diesel	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
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.12	0.24	0.24
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.06	0.07	0.09	0.15
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.85	0.87	1.65	1.70
Cumulative Total Additions	0.00	0.00	4.43	8.35	9.46	9.55	9.56	9.57	9.57	10.39	10.41	11.19	11.25
Cumulative Retirements 7/													
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Other Fossil Steam 3/	0.00	0.00	0.00	0.00	0.00	0.02	1.33	2.68	2.77	2.77	2.77	2.77	2.77
Combined Cycle	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
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.19	0.84	0.84	0.84	0.84	0.84
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total	0.00	0.00	0.00	0.00	0.00	0.03	1.57	2.98	3.73	3.73	3.73	3.73	3.73
Combined Heat and Power 8/													
Capacity													
Coal	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Petroleum	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

Table 71. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/Rocky Mountain Area, Arizon, New Mexico, Southern Nevada

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Natural Gas	0.08	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.11	0.11	0.11	0.11
Other Gaseous Fuels	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
Renewable Sources 4/	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	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	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.19
Other End Use Generators	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 Demand (billion kilowatthours)													
Residential	56.21	57.03	56.24	59.01	60.71	61.99	63.35	64.83	66.43	67.62	68.97	70.30	71.79
Commercial/Other	52.24	54.33	53.38	54.88	56.49	57.77	59.12	60.79	62.75	64.92	67.17	69.45	71.53
Industrial	37.28	34.76	31.82	33.41	34.12	34.75	35.63	36.65	37.84	38.71	39.76	40.76	41.71
Transportation	0.93	0.95	0.95	0.99	1.02	1.06	1.09	1.13	1.17	1.22	1.26	1.31	1.36
Total Sales	146.66	147.06	142.40	148.29	152.34	155.56	159.20	163.40	168.19	172.47	177.17	181.82	186.40
Net Energy for Load (billion kilowatthours) 7/													
Gross International Imports	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
Gross International Exports	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
Gross Interregional Electricity Imports	24.38	21.28	16.87	16.33	17.27	19.27	19.04	19.26	19.06	19.52	18.37	15.91	13.23
Gross Interregional Electricity Exports	46.31	58.57	52.44	61.08	62.17	62.55	57.34	45.26	44.31	43.40	38.60	34.27	30.00
Purchases from Combined Heat and Power 8/	0.17	0.16	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.28
Electric Power Sector Generation for Customers	191.67	193.95	184.06	196.62	202.76	204.41	203.58	196.62	200.00	203.47	204.79	208.17	210.52
Total Net Energy for Load	169.91	156.83	148.68	152.06	158.07	161.35	165.52	170.86	174.99	179.85	184.83	190.08	194.03
Generation by Fuel Type (billion kilowatthours)													
Coal	128.28	127.67	111.53	110.75	114.01	117.05	118.96	121.45	119.74	124.78	124.78	129.49	129.49
Petroleum	0.39	0.58	0.50	0.69	0.85	0.86	0.86	0.85	0.87	0.87	0.87	0.87	0.87
Natural Gas	29.85	35.32	41.34	54.62	55.19	53.29	50.12	39.94	45.99	43.49	44.83	42.50	45.63
Nuclear	22.05	20.85	21.63	21.99	21.99	22.21	22.21	22.21	22.21	22.21	22.21	22.21	22.21
Pumped Storage/Other 3/	-0.10	0.05	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
Renewable Sources 4/	18.40	16.92	17.98	20.09	20.53	20.63	20.70	20.77	20.79	21.32	21.32	21.87	21.88
Total Generation	198.86	201.39	192.95	208.11	212.53	214.00	212.81	205.19	209.56	212.63	213.98	216.90	220.04
Sales to Customers	197.89	200.02	190.99	206.17	210.60	212.07	210.88	203.27	207.64	210.71	212.05	214.98	218.11
Generation for Own Use	0.97	1.37	1.96	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.92	1.92	1.92
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.18	0.18	0.18	0.18	0.19	0.19	0.20	0.23
Combined Heat and Power													
Coal	0.34	0.33	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
Petroleum	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Natural Gas	0.56	0.56	0.61	0.63	0.65	0.67	0.69	0.72	0.74	0.76	0.78	0.80	0.82
Other Gaseous Fuels	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Renewable Sources 4/	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	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	0.96	0.96	1.01	1.03	1.05	1.07	1.10	1.12	1.14	1.17	1.19	1.21	1.22
Other End Use Generators	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
Sales to Utilities	0.17	0.16	0.19	0.20	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.28	0.28
Generation for Own Use	0.79	0.80	0.82	0.83	0.84	0.86	0.87	0.88	0.90	0.91	0.92	0.93	0.94
End-Use Prices (2001 cents per kilowatthour)													

Table 71. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/Rocky Mountain Area, Arizon, New Mexico, Southern Nevada

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential	8.1	8.2	7.8	7.5	7.6	7.7	7.6	7.6	7.7	7.8	8.0	8.0	8.2
Commercial	6.7	6.9	6.8	6.5	6.5	6.4	6.3	6.2	6.3	6.4	6.7	6.7	7.0
Industrial	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.6	4.7	4.8	4.8	4.9
Transportation	7.0	7.0	6.8	6.6	6.7	6.7	6.6	6.5	6.6	6.7	6.9	6.8	7.0
All Sectors Average	6.7	6.8	6.7	6.5	6.5	6.5	6.4	6.4	6.5	6.6	6.8	6.8	7.0
Prices by Service Category													
(2001 cents per kilowatthour)													
Generation	4.0	4.3	4.1	3.8	3.8	3.8	3.7	3.6	3.8	3.9	4.1	4.1	4.3
Transmission	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Distribution	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0
Fuel Consumption (quadrillion Btu) 9/													
Coal	1.35	1.35	1.16	1.15	1.19	1.22	1.24	1.27	1.25	1.29	1.29	1.33	1.33
Natural Gas	0.31	0.37	0.34	0.43	0.44	0.42	0.40	0.32	0.36	0.34	0.35	0.34	0.36
Oil	0.06	0.07	0.07	0.09	0.08	0.08	0.08	0.07	0.08	0.08	0.08	0.07	0.08
Total	1.72	1.79	1.57	1.67	1.70	1.72	1.71	1.65	1.69	1.71	1.72	1.74	1.77
Emissions (million tons) 10/													
Total Carbon	40.41	42.10	38.30	39.50	40.57	41.27	41.39	40.87	41.10	42.04	42.21	43.07	43.46
Carbon Dioxide	148.16	154.37	140.43	144.83	148.75	151.31	151.76	149.85	150.71	154.13	154.76	157.92	159.34
Sulfur Dioxide	0.19	0.18	0.18	0.17	0.17	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17
Nitrogen Oxide	0.24	0.22	0.21	0.20	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.22

Table 71. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/Rocky Mountain Area, Arizon, New Mexico, Southern Nevada

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electricity Generating Capacity 1/ (gigawatts)														
Coal Steam	18.02	18.21	19.83	19.83	21.00	21.00	22.13	22.13	22.67	22.67	23.95	23.95	25.22	2.0%
Other Fossil Steam 2/	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	N/A
Combined Cycle	13.05	13.05	13.05	13.05	13.05	13.05	13.05	13.05	13.24	13.24	13.46	13.46	13.94	4.5%
Combustion Turbine/Diesel	4.04	4.04	4.15	4.15	4.66	4.66	5.25	5.25	6.64	6.64	7.83	7.72	8.21	3.3%
Nuclear Power	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	0.1%
Pumped Storage/Other 3/	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	N/A
Fuel Cells	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
Renewable Sources 4/	6.97	6.98	7.21	7.22	7.37	7.37	7.52	7.52	7.66	7.67	7.83	7.84	7.95	1.0%
Distributed Generation 5/	0.20	0.26	0.32	0.37	0.54	0.59	0.77	0.83	1.02	1.09	1.28	1.28	1.47	N/A
Total Capacity	45.83	46.07	48.10	48.16	50.16	50.21	52.26	52.32	54.78	54.84	57.89	57.77	60.30	2.1%
Cumulative Planned Additions 6/														
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	8.17	8.17	8.17	8.17	8.17	8.17	8.17	8.17	8.17	8.17	8.17	8.17	8.17	N/A
Combustion Turbine/Diesel	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.28	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.31	0.31	0.31	0.32	N/A
Distributed Generation 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
Total Planned Additions	9.55	9.55	9.56	9.56	9.56	9.57	9.57	9.57	9.58	9.58	9.59	9.59	9.59	N/A
Cumulative Unplanned Additions 6/														
Coal Steam	2.52	2.71	4.32	4.32	5.50	5.50	6.63	6.63	7.17	7.17	8.45	8.45	9.71	N/A
Other Fossil Steam 2/	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
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.19	0.41	0.41	0.89	N/A
Combustion Turbine/Diesel	0.00	0.00	0.11	0.11	0.62	0.62	1.21	1.21	2.60	2.60	3.79	3.79	4.28	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.44	0.44	0.67	0.67	0.81	0.81	0.96	0.96	1.10	1.10	1.26	1.26	1.37	N/A
Distributed Generation 5/	0.20	0.26	0.32	0.37	0.54	0.59	0.77	0.83	1.02	1.09	1.28	1.28	1.47	N/A
Total Unplanned Additions	3.16	3.40	5.42	5.48	7.47	7.52	9.57	9.63	12.08	12.15	15.19	15.19	17.71	N/A
Cumulative Total Additions	12.71	12.96	14.98	15.04	17.04	17.09	19.14	19.21	21.66	21.73	24.77	24.78	27.30	N/A
Cumulative Retirements 7/														
Coal Steam	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	N/A
Other Fossil Steam 3/	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.79	2.79	N/A
Combined Cycle	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
Combustion Turbine/Diesel	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.95	0.95	N/A
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	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	N/A
Total	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.85	3.85	N/A
Combined Heat and Power 8/ Capacity														
Coal	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.0%
Petroleum	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

Table 71. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/Rocky Mountain Area, Arizon, New Mexico, Southern Nevada

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Natural Gas	0.11	0.12	0.12	0.12	0.13	0.13	0.13	0.14	0.14	0.15	0.15	0.16	0.16	2.7%
Other Gaseous Fuels	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
Renewable Sources 4/	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	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
Total	0.19	0.19	0.19	0.20	0.20	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.24	1.7%
Other End Use Generators	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 Demand (billion kilowatthours)														
Residential	73.03	74.36	75.81	77.27	78.50	79.85	81.33	82.87	84.10	85.48	86.95	88.49	89.67	1.9%
Commercial/Other	73.77	75.96	78.44	80.95	83.83	86.57	89.47	91.91	94.54	96.89	99.57	102.15	105.14	2.8%
Industrial	42.55	43.40	44.12	44.73	45.44	46.19	47.07	47.84	48.65	49.63	50.62	51.75	52.76	1.8%
Transportation	1.41	1.47	1.52	1.58	1.64	1.70	1.77	1.84	1.92	1.99	2.07	2.15	2.23	3.6%
Total Sales	190.77	195.19	199.90	204.53	209.41	214.31	219.64	224.46	229.21	233.99	239.22	244.55	249.81	2.2%
Net Energy for Load (billion kilowatthours) 7/														
Gross International Imports	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
Gross International Exports	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
Gross Interregional Electricity Imports	11.28	10.98	9.23	8.15	6.11	5.16	3.55	3.52	1.94	2.21	1.98	3.18	4.38	-6.4%
Gross Interregional Electricity Exports	27.27	22.95	20.94	16.87	15.00	10.57	9.71	7.49	10.76	9.37	12.28	9.67	12.71	-6.2%
Purchases from Combined Heat and Power 8/	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.38	0.39	0.41	0.43	0.44	4.4%
Electric Power Sector Generation for Customers	214.91	215.13	219.48	222.35	227.71	229.67	236.39	238.79	248.23	251.71	260.31	262.30	269.74	1.4%
Total Net Energy for Load	199.22	203.46	208.07	213.95	219.14	224.60	230.58	235.19	239.78	244.94	250.42	256.24	261.86	2.2%
Generation by Fuel Type (billion kilowatthours)														
Coal	138.48	139.89	151.91	151.91	160.65	160.65	169.03	169.03	173.04	173.04	182.59	182.59	191.98	1.7%
Petroleum	0.87	1.04	0.87	0.87	0.87	0.87	0.86	0.86	0.87	0.86	0.86	0.87	1.03	2.4%
Natural Gas	39.47	38.46	30.16	32.28	28.30	30.07	27.32	30.26	35.38	38.84	37.16	39.09	36.44	0.1%
Nuclear	22.21	22.21	22.21	22.21	22.21	22.21	22.21	22.21	22.21	22.21	22.21	22.21	22.21	0.3%
Pumped Storage/Other 3/	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	N/A
Renewable Sources 4/	22.70	22.70	23.65	23.66	24.30	24.31	24.99	25.00	25.63	25.64	26.32	26.35	26.78	1.9%
Total Generation	223.70	224.26	228.76	230.89	236.29	238.06	244.38	247.32	257.09	260.55	269.11	271.07	278.41	1.4%
Sales to Customers	221.77	222.33	226.84	228.96	234.37	236.14	242.46	245.40	255.16	258.63	267.19	269.15	276.48	1.4%
Generation for Own Use	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.4%
Distributed Generation 5/	0.25	0.28	0.30	0.32	0.40	0.42	0.50	0.53	0.61	0.64	0.72	0.72	0.80	N/A
Combined Heat and Power														
Coal	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.0%
Petroleum	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.5%
Natural Gas	0.84	0.86	0.88	0.90	0.93	0.96	0.99	1.03	1.07	1.11	1.15	1.20	1.24	3.4%
Other Gaseous Fuels	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	1.4%
Renewable Sources 4/	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	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	0.0%
Total	1.24	1.26	1.28	1.31	1.33	1.36	1.39	1.43	1.47	1.52	1.56	1.61	1.65	2.3%
Other End Use Generators	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
Sales to Utilities	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.38	0.39	0.41	0.43	0.44	4.4%
Generation for Own Use	0.95	0.96	0.98	0.99	1.01	1.02	1.04	1.07	1.09	1.12	1.15	1.18	1.21	1.7%
End-Use Prices (2001 cents per kilowatthour)														

Table 71. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/Rocky Mountain Area, Arizon, New Mexico, Southern Nevada

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential	7.9	8.1	7.9	8.1	7.9	8.1	8.0	8.2	7.9	8.2	8.0	8.4	8.3	0.1%
Commercial	6.6	6.9	6.6	6.9	6.5	6.8	6.6	7.0	6.6	6.9	6.6	7.1	6.9	0.0%
Industrial	4.6	4.9	4.6	4.8	4.6	4.7	4.6	4.8	4.6	4.8	4.6	5.0	4.9	0.2%
Transportation	6.7	6.9	6.6	6.8	6.5	6.6	6.5	6.6	6.3	6.5	6.3	6.6	6.5	-0.3%
All Sectors Average	6.7	6.9	6.7	6.9	6.6	6.9	6.7	7.0	6.6	6.9	6.7	7.1	7.0	0.1%
Prices by Service Category														
(2001 cents per kilowatthour)														
Generation	4.0	4.2	3.9	4.1	3.9	4.1	3.9	4.2	3.9	4.2	3.9	4.3	4.2	-0.1%
Transmission	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.7%
Distribution	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	-0.2%
Fuel Consumption (quadrillion Btu) 9/														
Coal	1.41	1.42	1.53	1.53	1.60	1.60	1.67	1.67	1.71	1.71	1.79	1.79	1.87	1.4%
Natural Gas	0.31	0.31	0.24	0.26	0.23	0.24	0.22	0.24	0.28	0.31	0.29	0.31	0.28	-1.1%
Oil	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.5%
Total	1.80	1.81	1.85	1.86	1.90	1.91	1.96	1.99	2.07	2.09	2.16	2.17	2.23	0.9%
Emissions (million tons) 10/														
Total Carbon	44.87	45.10	46.91	47.17	48.79	49.00	50.68	51.03	52.63	53.08	55.18	55.41	57.36	1.3%
Carbon Dioxide	164.52	165.36	172.02	172.97	178.88	179.67	185.82	187.11	192.96	194.63	202.31	203.17	210.32	1.3%
Sulfur Dioxide	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	-0.2%
Nitrogen Oxide	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.5%

Table 71. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/Rocky Mountain Power Area and Arizona-New Mexico-Southern Nevada Power Area

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860, "Annual Electric Generator Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.
2/ Includes oil-, gas-, and dual-fired capacity.
3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
5/ Primarily peak-load capacity fueled by natural gas.
6/ Cumulative additions after December 31, 2001.
7/ Generation to meet system load by source.
8/ Combined heat and power produces electricity and other useful thermal energy (such as steam or heat) through the sequential use of energy.
9/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.
10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).
O&M = Operation and maintenance.
EMM = Electricity market module.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Other 2001 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, July 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 72. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/California

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electricity Generating Capacity 1/													
(gigawatts)													
Coal Steam	5.05	5.05	5.05	5.05	5.05	5.05	5.69	6.41	6.41	6.41	6.41	6.41	6.41
Other Fossil Steam 2/	19.67	19.67	19.67	19.67	19.67	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
Combined Cycle	2.14	4.01	6.23	7.15	7.79	8.67	9.99	13.01	14.58	16.02	17.80	19.93	21.72
Combustion Turbine/Diesel	4.35	5.89	7.23	7.61	9.65	9.58	9.54	9.62	9.62	9.62	9.62	9.62	9.62
Nuclear Power	5.33	5.33	5.33	5.35	5.35	5.40	5.43	5.43	5.43	5.43	5.43	5.43	5.43
Pumped Storage/Other 3/	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73
Fuel Cells	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
Renewable Sources 4/	15.40	15.50	15.64	15.96	15.86	16.31	16.44	16.63	16.64	16.64	16.65	16.65	16.66
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.05	0.05	0.07	0.11	0.21	0.31	0.40	0.49	0.57
Total Capacity	55.68	59.19	62.89	64.52	67.15	67.95	70.04	74.09	75.77	77.30	79.18	81.41	83.29
Cumulative Planned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	2.22	3.15	3.78	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
Combustion Turbine/Diesel	0.00	0.00	1.34	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.14	0.45	0.47	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.84
Distributed Generation 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
Total Planned Additions	0.00	0.00	3.70	4.98	5.63	6.49	6.49	6.50	6.50	6.51	6.51	6.52	6.52
Cumulative Unplanned Additions 6/													
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.64	1.35	1.35	1.35	1.35	1.35	1.35
Other Fossil Steam 2/	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
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.36	1.68	4.70	6.27	7.71	9.49	11.62	13.41
Combustion Turbine/Diesel	0.00	0.00	0.00	0.33	2.37	2.37	2.37	2.45	2.45	2.45	2.45	2.45	2.45
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.11	0.23	0.42	0.43	0.43	0.43	0.43	0.43
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.05	0.05	0.07	0.11	0.21	0.31	0.40	0.49	0.57
Total Unplanned Additions	0.00	0.00	0.00	0.33	2.42	2.90	4.99	9.04	10.71	12.24	14.12	16.34	18.22
Cumulative Total Additions	0.00	0.00	3.70	5.31	8.05	9.39	11.49	15.54	17.22	18.75	20.63	22.86	24.74
Cumulative Retirements 7/													
Coal Steam	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 Fossil Steam 3/	0.00	0.00	0.00	0.00	0.00	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
Combined Cycle	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
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.07	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Total	0.00	0.00	0.00	0.00	0.11	0.70	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Combined Heat and Power 8/													
Capacity													
Coal	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Petroleum	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Natural Gas	2.42	2.46	2.55	2.61	2.66	2.74	2.82	2.90	2.97	3.05	3.12	3.19	3.25

Table 72. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/California

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Other Gaseous Fuels	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Renewable Sources 4/	0.17	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.22	0.23	0.24	0.25
Other	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Total	3.14	3.18	3.27	3.34	3.41	3.49	3.58	3.66	3.75	3.84	3.91	3.99	4.05
Other End Use Generators	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06
Electricity Demand													
(billion kilowatthours)													
Residential	71.08	70.74	75.94	78.98	80.69	81.57	82.37	82.97	83.81	84.10	84.64	85.23	86.31
Commercial/Other	105.72	108.17	115.11	119.96	125.11	129.23	132.95	136.47	140.00	143.64	147.51	151.69	156.34
Industrial	58.43	56.24	57.23	60.08	63.22	64.32	65.83	67.55	69.55	71.13	73.29	75.27	76.97
Transportation	1.84	1.93	2.13	2.19	2.24	2.31	2.37	2.44	2.51	2.58	2.66	2.74	2.83
Total Sales	237.06	237.08	250.42	261.21	271.26	277.43	283.52	289.43	295.87	301.46	308.10	314.93	322.44
Net Energy for Load (billion kilowatthours) 7/													
Gross International Imports	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gross International Exports	1.97	1.97	1.27	1.32	1.36	1.41	1.46	1.51	1.56	1.61	1.67	1.67	1.67
Gross Interregional Electricity Imports	54.95	63.35	58.03	73.63	71.32	70.03	66.76	60.93	58.85	59.02	55.63	52.79	46.36
Gross Interregional Electricity Exports	15.90	26.31	14.82	10.09	8.52	7.97	7.97	7.97	7.97	7.97	7.18	6.39	5.59
Purchases from Combined Heat and Power 8/	3.65	3.39	4.14	4.38	4.53	4.82	5.10	5.39	5.66	5.96	6.20	6.44	6.65
Electric Power Sector Generation for Customers	191.77	184.23	188.77	179.89	191.77	198.96	208.18	222.98	232.04	237.98	247.85	258.34	272.27
Total Net Energy for Load	232.58	222.75	234.83	246.49	257.73	264.43	270.62	279.82	287.02	293.38	300.83	309.51	318.01
Generation by Fuel Type													
(billion kilowatthours)													
Coal	27.55	27.78	36.35	36.00	37.00	37.87	43.18	49.54	48.95	48.95	48.95	48.95	48.95
Petroleum	2.21	2.69	0.75	0.74	0.75	0.20	0.06	0.06	0.06	0.33	2.03	4.04	2.31
Natural Gas	87.87	96.48	99.21	84.64	94.08	97.78	100.48	104.74	113.72	118.68	126.18	133.03	147.84
Nuclear	43.50	41.09	42.34	42.55	42.61	43.11	43.42	43.49	43.55	43.62	43.69	43.75	43.82
Pumped Storage/Other 3/	-0.64	-0.26	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44
Renewable Sources 4/	57.12	42.85	54.50	60.62	61.35	63.61	64.50	65.39	65.40	65.42	65.43	65.42	65.42
Total Generation	217.63	210.64	232.71	224.10	235.35	242.13	251.20	262.77	271.25	276.56	285.84	294.76	307.90
Sales to Customers	214.30	206.98	226.80	218.13	229.37	236.28	245.34	256.91	265.39	270.70	279.98	288.90	302.04
Generation for Own Use	3.32	3.65	5.90	5.97	5.98	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.02	0.02	0.13	0.15	0.19	0.23	0.27	0.31	0.35
Combined Heat and Power													
Coal	0.47	0.46	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
Petroleum	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
Natural Gas	14.68	14.63	15.80	16.29	16.77	17.39	18.00	18.62	19.21	19.84	20.34	20.84	21.29
Other Gaseous Fuels	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 Sources 4/	0.74	0.74	0.73	0.76	0.79	0.81	0.82	0.84	0.87	0.90	0.93	0.97	1.00
Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Total	16.90	16.85	18.01	18.54	19.05	19.68	20.31	20.95	21.56	22.22	22.76	23.29	23.77
Other End Use Generators	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12
Sales to Utilities	3.65	3.39	4.14	4.38	4.53	4.82	5.10	5.39	5.66	5.96	6.20	6.44	6.65
Generation for Own Use	13.35	13.56	13.98	14.26	14.62	14.97	15.32	15.67	16.01	16.38	16.68	16.98	17.25
End-Use Prices													
(2001 cents per kilowatthour)													
Residential	11.1	14.5	12.4	11.5	11.0	10.9	10.8	10.9	11.0	11.2	11.2	11.2	10.9
Commercial	10.4	14.3	11.7	10.8	10.2	10.1	9.9	10.0	10.0	10.1	10.1	10.0	9.7

Table 72. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/California

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Industrial	7.4	10.5	7.2	6.7	6.3	6.2	6.1	6.2	6.2	6.2	6.3	6.2	6.0
Transportation	10.1	10.6	11.0	9.6	9.6	9.6	9.5	9.4	9.5	9.4	9.3	9.2	8.9
All Sectors Average	9.9	13.4	10.9	10.0	9.5	9.4	9.3	9.4	9.4	9.5	9.5	9.4	9.1
Prices by Service Category													
(2001 cents per kilowatthour)													
Generation	6.7	10.5	8.0	7.1	6.5	6.4	6.2	6.2	6.2	6.2	6.2	6.1	5.8
Transmission	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
Distribution	2.5	2.4	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5
Fuel Consumption (quadrillion Btu) 9/													
Coal	0.30	0.30	0.37	0.36	0.38	0.38	0.43	0.49	0.48	0.48	0.48	0.48	0.48
Natural Gas	0.91	1.00	0.93	0.78	0.85	0.87	0.87	0.86	0.92	0.94	0.99	1.02	1.12
Oil	0.24	0.25	0.38	0.37	0.37	0.36	0.36	0.33	0.33	0.32	0.33	0.33	0.31
Total	1.45	1.55	1.67	1.51	1.59	1.61	1.66	1.68	1.73	1.75	1.80	1.84	1.91
Emissions (million tons) 10/													
Total Carbon	25.46	26.67	25.34	22.78	24.26	24.72	26.03	27.52	28.27	28.70	29.66	30.52	31.76
Carbon Dioxide	93.36	97.79	92.90	83.51	88.95	90.65	95.45	100.91	103.65	105.23	108.76	111.90	116.47
Sulfur Dioxide	0.08	0.08	0.07	0.06	0.07	0.07	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Nitrogen Oxide	0.13	0.13	0.09	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

Table 72. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/California

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electricity Generating Capacity 1/														
(gigawatts)														
Coal Steam	6.41	6.76	7.19	7.44	7.74	8.03	8.30	8.58	8.88	9.20	9.48	9.73	9.97	2.9%
Other Fossil Steam 2/	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	-0.1%
Combined Cycle	24.26	24.52	24.98	26.24	28.13	29.18	29.70	30.22	30.87	31.43	32.04	33.21	34.06	9.3%
Combustion Turbine/Diesel	9.62	11.19	12.97	13.76	13.95	14.54	15.61	16.84	18.17	19.71	21.06	21.71	22.87	5.8%
Nuclear Power	5.43	5.43	5.43	5.43	5.43	5.43	5.43	5.43	5.43	5.43	5.43	5.43	5.43	0.1%
Pumped Storage/Other 3/	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	N/A
Fuel Cells	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
Renewable Sources 4/	16.66	16.83	16.97	17.12	17.20	17.30	17.47	17.64	17.78	17.92	18.06	18.20	18.29	0.7%
Distributed Generation 5/	0.67	0.97	1.29	1.62	1.96	2.29	2.61	2.94	3.29	3.66	4.03	4.41	4.79	N/A
Total Capacity	85.92	88.59	91.71	94.49	97.29	99.65	102.01	104.54	107.30	110.24	112.99	115.56	118.30	2.9%
Cumulative Planned Additions 6/														
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	N/A
Combustion Turbine/Diesel	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.84	0.85	0.86	0.87	0.87	0.88	0.89	0.90	0.90	0.91	0.92	0.93	0.93	N/A
Distributed Generation 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
Total Planned Additions	6.53	6.53	6.54	6.55	6.56	6.56	6.57	6.58	6.59	6.59	6.60	6.61	6.62	N/A
Cumulative Unplanned Additions 6/														
Coal Steam	1.35	1.71	2.14	2.39	2.69	2.97	3.25	3.53	3.83	4.15	4.43	4.67	4.92	N/A
Other Fossil Steam 2/	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
Combined Cycle	15.95	16.21	16.67	17.93	19.82	20.87	21.39	21.91	22.56	23.12	23.73	24.90	25.74	N/A
Combustion Turbine/Diesel	2.45	4.03	5.81	6.60	6.79	7.37	8.45	9.68	11.00	12.55	13.89	14.55	15.70	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.43	0.58	0.72	0.86	0.93	1.03	1.19	1.36	1.48	1.62	1.75	1.88	1.97	N/A
Distributed Generation 5/	0.67	0.97	1.29	1.62	1.96	2.29	2.61	2.94	3.29	3.66	4.03	4.41	4.79	N/A
Total Unplanned Additions	20.85	23.50	26.62	29.39	32.18	34.53	36.89	39.41	42.16	45.10	47.84	50.40	53.13	N/A
Cumulative Total Additions	27.37	30.04	33.16	35.94	38.74	41.10	43.46	45.99	48.75	51.69	54.44	57.01	59.75	N/A
Cumulative Retirements 7/														
Coal Steam	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 Fossil Steam 3/	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	N/A
Combined Cycle	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
Combustion Turbine/Diesel	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	N/A
Nuclear Power	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
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	N/A
Total	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	N/A
Combined Heat and Power 8/														
Capacity														
Coal	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.0%
Petroleum	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.6%
Natural Gas	3.31	3.37	3.44	3.53	3.61	3.72	3.83	3.96	4.09	4.24	4.39	4.55	4.71	2.7%

Table 72. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/California

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Other Gaseous Fuels	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.3%
Renewable Sources 4/	0.25	0.26	0.27	0.27	0.28	0.28	0.29	0.30	0.30	0.31	0.32	0.33	0.33	2.7%
Other	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	N/A
Total	4.12	4.19	4.27	4.36	4.45	4.57	4.69	4.82	4.97	5.13	5.28	5.45	5.62	2.4%
Other End Use Generators	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	2.5%
Electricity Demand (billion kilowatthours)														
Residential	86.83	87.47	88.05	88.78	89.14	89.82	90.59	91.57	92.00	92.63	93.25	94.11	94.44	1.2%
Commercial/Other	161.16	166.04	170.67	175.43	180.41	185.70	191.28	196.84	202.47	208.08	213.77	219.61	225.50	3.1%
Industrial	78.58	80.23	81.49	82.59	83.89	85.32	86.89	88.25	89.68	91.39	93.15	95.13	96.93	2.3%
Transportation	2.91	3.00	3.08	3.17	3.27	3.38	3.48	3.60	3.72	3.84	3.96	4.08	4.20	3.3%
Total Sales	329.48	336.73	343.30	349.97	356.72	364.22	372.25	380.25	387.88	395.94	404.13	412.93	421.07	2.4%
Net Energy for Load (billion kilowatthours) 7/														
Gross International Imports	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
Gross International Exports	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	-0.7%
Gross Interregional Electricity Imports	40.83	39.03	36.56	29.53	26.97	19.89	19.23	15.10	14.74	10.51	12.47	11.11	13.26	-6.3%
Gross Interregional Electricity Exports	4.79	3.99	3.19	2.39	1.59	0.80	0.40	0.00	0.00	0.00	0.04	0.17	0.33	-16.7%
Purchases from Combined Heat and Power 8/	6.87	7.09	7.32	7.58	7.84	8.15	8.49	8.87	9.24	9.68	10.09	10.59	11.03	5.0%
Electric Power Sector Generation for Customers	285.19	293.56	301.88	315.05	325.29	339.07	347.22	358.57	367.26	379.42	386.03	396.46	403.20	3.3%
Total Net Energy for Load	326.43	334.02	340.91	348.10	356.84	364.65	372.87	380.87	389.57	397.93	406.89	416.33	425.50	2.7%
Generation by Fuel Type (billion kilowatthours)														
Coal	48.95	51.60	54.81	56.66	58.87	61.01	63.06	65.13	67.34	69.76	71.83	73.66	75.46	4.3%
Petroleum	0.49	2.85	2.57	2.78	2.42	2.08	1.29	1.35	5.35	0.75	3.97	8.65	10.95	6.0%
Natural Gas	161.44	163.69	168.22	178.20	184.84	196.35	202.58	211.10	212.33	225.93	226.32	229.43	230.75	3.7%
Nuclear	43.89	43.92	43.92	43.92	43.92	43.92	43.92	43.92	43.92	43.92	43.92	43.92	43.92	0.3%
Pumped Storage/Other 3/	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	2.3%
Renewable Sources 4/	65.42	66.31	67.00	67.83	68.11	68.64	69.67	70.71	71.39	72.13	72.86	73.54	74.28	2.3%
Total Generation	319.75	327.92	336.07	348.94	357.71	371.55	380.06	391.76	399.89	412.04	418.46	428.76	434.93	3.1%
Sales to Customers	313.89	322.06	330.21	343.08	351.85	365.69	374.20	385.90	394.03	406.18	412.59	422.90	429.07	3.1%
Generation for Own Use	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	5.86	2.0%
Distributed Generation 5/	0.39	0.52	0.66	0.81	0.96	1.10	1.24	1.39	1.54	1.70	1.86	2.03	2.20	N/A
Combined Heat and Power														
Coal	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.0%
Petroleum	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%
Natural Gas	21.77	22.25	22.81	23.44	24.10	24.86	25.71	26.71	27.70	28.84	29.93	31.21	32.35	3.4%
Other Gaseous Fuels	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	1.4%
Renewable Sources 4/	1.02	1.05	1.07	1.10	1.12	1.14	1.17	1.19	1.22	1.24	1.27	1.30	1.33	2.5%
Other	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.0%
Total	24.28	24.78	25.37	26.02	26.70	27.49	28.37	29.39	30.40	31.57	32.69	34.00	35.16	3.1%
Other End Use Generators	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.15	1.6%
Sales to Utilities	6.87	7.09	7.32	7.58	7.84	8.15	8.49	8.87	9.24	9.68	10.09	10.59	11.03	5.0%
Generation for Own Use	17.53	17.82	18.17	18.57	18.98	19.47	20.00	20.65	21.29	22.03	22.74	23.55	24.28	2.5%
End-Use Prices (2001 cents per kilowatthour)														
Residential	10.8	10.8	10.9	11.0	11.0	11.0	10.9	10.9	10.9	11.0	11.0	11.1	11.3	-1.0%
Commercial	9.6	9.6	9.6	9.7	9.7	9.7	9.6	9.6	9.6	9.6	9.6	9.7	9.8	-1.6%

Table 72. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/California

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Industrial	5.9	5.9	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.9	5.9	6.0	6.0	-2.3%
Transportation	8.8	8.7	8.7	8.7	8.6	8.4	8.3	8.2	8.1	8.0	7.9	7.9	7.9	-1.2%
All Sectors Average	9.0	9.0	9.1	9.1	9.1	9.1	9.1	9.0	9.0	9.0	9.1	9.1	9.2	-1.6%
Prices by Service Category														
(2001 cents per kilowatthour)														
Generation	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.6	5.6	5.7	5.8	-2.4%
Transmission	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.5%
Distribution	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.3%
Fuel Consumption (quadrillion Btu) 9/														
Coal	0.48	0.51	0.53	0.55	0.57	0.59	0.61	0.62	0.64	0.66	0.68	0.70	0.71	3.7%
Natural Gas	1.19	1.21	1.24	1.31	1.34	1.42	1.47	1.53	1.54	1.64	1.64	1.66	1.67	2.1%
Oil	0.29	0.31	0.31	0.31	0.30	0.29	0.29	0.30	0.32	0.29	0.31	0.35	0.36	1.5%
Total	1.97	2.03	2.09	2.17	2.21	2.31	2.36	2.45	2.50	2.59	2.64	2.70	2.74	2.4%
Emissions (million tons) 10/														
Total Carbon	32.74	34.05	35.31	36.87	37.89	39.62	40.69	42.19	43.59	45.00	46.09	47.59	48.54	2.5%
Carbon Dioxide	120.05	124.86	129.46	135.18	138.94	145.28	149.21	154.71	159.81	165.00	169.00	174.50	177.99	2.5%
Sulfur Dioxide	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-2.5%
Nitrogen Oxide	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	-0.2%

Table 72. Electric Power Projections for EMM Region
Western Electricity Coordinating Council/California

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860, "Annual Electric Generator Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.
2/ Includes oil-, gas-, and dual-fired capacity.
3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
5/ Primarily peak-load capacity fueled by natural gas.
6/ Cumulative additions after December 31, 2001.
7/ Generation to meet system load by source.
8/ Combined heat and power produces electricity and other useful thermal energy (such as steam or heat) through the sequential use of energy.
9/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.
10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).
O&M = Operation and maintenance.
EMM = Electricity market module.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Other 2001 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, July 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 73. Electric Power Projections for EMM Region
United States

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electricity Generating Capacity 1/													
(gigawatts)													
Coal Steam	310.59	310.48	310.81	310.54	309.26	308.33	307.17	307.38	306.90	308.37	311.54	314.51	315.26
Other Fossil Steam 2/	136.00	134.97	133.80	132.50	132.18	119.78	101.22	94.41	88.44	85.99	84.60	84.11	83.45
Combined Cycle	46.21	66.17	103.70	124.41	129.99	134.75	137.15	144.63	149.99	163.03	176.07	189.57	201.23
Combustion Turbine/Diesel	82.14	102.59	126.24	129.78	131.80	132.08	130.55	128.60	129.27	129.84	133.46	133.83	137.57
Nuclear Power	97.98	98.15	98.68	98.98	99.64	100.15	100.40	99.93	99.11	99.13	99.29	99.29	99.43
Pumped Storage/Other 3/	19.80	19.86	20.20	20.27	20.33	20.33	20.33	20.33	20.33	20.33	20.33	20.33	20.33
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.05	0.07	0.09	0.11	0.14	0.16
Renewable Sources 4/	88.64	90.88	91.99	93.99	94.15	95.33	95.99	96.51	96.74	97.36	97.57	98.05	98.37
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.08	0.28	0.37	0.58	0.91	1.29	1.69	2.27	2.68
Total Capacity	781.35	823.11	885.41	910.47	917.43	911.05	893.21	892.41	891.76	905.43	924.67	942.10	958.49
Cumulative Planned Additions 6/													
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	0.00	0.00	36.86	57.03	62.61	63.14	63.14	63.14	63.14	63.14	63.14	63.14	63.14
Combustion Turbine/Diesel	0.00	0.00	23.70	27.79	27.79	27.79	27.79	27.79	27.79	27.79	27.79	27.79	27.79
Nuclear Power	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
Pumped Storage/Other 3/	0.00	0.00	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.05	0.07	0.09	0.11	0.14	0.16
Renewable Sources 4/	0.00	0.00	0.96	2.85	3.05	3.80	4.08	4.34	4.49	4.73	4.86	5.07	5.23
Distributed Generation 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
Total Planned Additions	0.00	0.00	61.82	87.97	93.75	95.05	95.34	95.61	95.79	96.05	96.21	96.44	96.61
Cumulative Unplanned Additions 6/													
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.97	2.20	2.20	3.68	6.85	9.82	10.57
Other Fossil Steam 2/	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
Combined Cycle	0.00	0.00	0.00	0.00	0.00	4.23	6.63	14.45	19.82	32.86	46.05	59.55	71.21
Combustion Turbine/Diesel	0.00	0.00	0.00	0.33	2.37	4.48	4.48	5.11	7.25	8.37	12.27	13.18	17.32
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.36	0.59	0.86	0.94	1.31	1.42	1.69	1.86
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.08	0.28	0.37	0.58	0.91	1.29	1.69	2.27	2.68
Total Unplanned Additions	0.00	0.00	0.00	0.33	2.45	9.34	13.04	23.21	31.12	47.51	68.28	86.51	103.64
Cumulative Total Additions	0.00	0.00	61.82	88.30	96.20	104.39	108.38	118.82	126.90	143.56	164.48	182.95	200.26
Cumulative Retirements 7/													
Coal Steam	0.00	0.00	0.00	0.00	1.22	2.15	4.28	5.31	5.79	5.79	5.79	5.79	5.79
Other Fossil Steam 3/	0.00	0.00	0.07	0.93	1.25	13.67	32.23	39.04	45.01	47.46	48.85	49.34	50.00
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.34	0.34	0.50	0.50	0.50
Combustion Turbine/Diesel	0.00	0.00	0.13	1.11	1.14	2.96	4.49	7.08	8.54	9.10	9.37	9.91	10.31
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	1.83	1.83	1.83	1.83	1.83
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.11	0.12	0.12	0.12	0.12	0.12	0.14	0.15	0.15
Total	0.00	0.00	0.20	2.04	3.72	18.89	41.11	52.65	61.62	64.63	66.48	67.51	68.57
Combined Heat and Power 8/													
Capacity													

Table 73. Electric Power Projections for EMM Region
United States

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Coal	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76
Petroleum	0.89	0.89	0.89	0.89	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Natural Gas	14.20	14.48	14.96	15.33	15.61	16.08	16.55	17.02	17.47	17.95	18.34	18.72	19.07
Other Gaseous Fuels	2.13	2.13	2.13	2.13	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18
Renewable Sources 4/	4.69	4.69	4.69	4.93	5.11	5.24	5.35	5.51	5.67	5.89	6.16	6.40	6.61
Other	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
Total	27.36	27.64	28.12	28.73	29.34	29.95	30.53	31.15	31.77	32.46	33.12	33.74	34.30
Other End Use Generators	1.11	1.12	1.13	1.15	1.17	1.20	1.24	1.28	1.33	1.40	1.47	1.48	1.49
Electricity Demand													
(billion kilowatthours)													
Residential	1187.52	1198.46	1231.33	1278.31	1305.94	1326.96	1350.40	1374.80	1403.38	1421.64	1444.14	1462.73	1485.66
Commercial/Other	1151.26	1190.69	1228.74	1246.73	1282.37	1313.72	1344.96	1376.19	1407.36	1437.84	1470.00	1503.26	1537.05
Industrial	1055.09	987.32	928.86	976.36	1002.29	1015.88	1038.95	1068.92	1100.52	1124.81	1156.05	1184.97	1210.73
Transportation	20.96	21.54	22.31	22.83	23.35	23.97	24.57	25.18	25.83	26.54	27.27	28.06	28.86
Total Sales	3414.83	3398.00	3411.24	3524.23	3613.96	3680.55	3758.88	3845.09	3937.09	4010.83	4097.47	4179.02	4262.30
Net Energy for Load (billion kilowatthours) 7/													
Gross International Imports	43.76	38.48	39.41	46.25	46.87	48.27	39.19	41.32	43.83	41.87	44.50	42.98	42.75
Gross International Exports	13.23	18.18	13.10	12.75	16.55	16.67	16.80	16.93	17.06	17.20	16.38	15.41	14.44
Gross Interregional Electricity Imports	301.45	314.49	304.44	332.57	330.24	323.42	316.96	313.37	306.26	312.62	297.73	284.58	265.06
Gross Interregional Electricity Exports	305.31	319.55	308.80	337.16	335.03	328.12	321.75	318.16	311.00	317.61	302.76	289.68	270.16
Purchases from Combined Heat and Power 8/	29.05	27.09	31.89	33.84	35.29	37.29	39.19	41.22	43.21	45.46	47.50	49.46	51.17
Electric Power Sector Generation for Customers	3615.93	3531.84	3601.58	3711.95	3807.53	3872.60	3959.36	4044.41	4135.77	4211.03	4295.31	4377.61	4460.11
Total Net Energy for Load	3671.65	3574.18	3655.41	3774.70	3868.35	3936.78	4016.15	4105.23	4201.01	4276.15	4365.89	4449.53	4534.50
Generation by Fuel Type													
(billion kilowatthours)													
Coal	1943.11	1880.96	1895.93	1928.81	1970.69	2019.42	2085.41	2150.40	2165.83	2189.88	2222.31	2249.87	2264.37
Petroleum	105.19	119.81	36.62	31.34	34.44	34.38	35.14	36.14	40.65	38.58	42.53	43.54	45.21
Natural Gas	518.00	535.44	612.10	648.04	683.64	685.92	698.71	706.39	783.11	832.45	876.17	926.45	989.51
Nuclear	753.89	768.83	777.23	780.83	787.18	792.85	795.65	804.40	797.14	798.07	800.19	800.81	802.59
Pumped Storage/Other 3/	-3.26	-6.11	-0.91	-0.94	-0.94	-0.94	-0.94	-0.94	-0.94	-0.94	-0.94	-0.94	-0.94
Renewable Sources 4/	320.43	262.85	321.69	365.05	373.86	382.28	386.79	389.51	391.41	394.43	396.47	399.19	400.67
Total Generation	3637.37	3561.79	3642.66	3753.12	3848.86	3913.91	4000.76	4085.90	4177.20	4252.46	4336.73	4418.92	4501.41
Sales to Customers	3615.93	3531.84	3601.58	3711.95	3807.53	3872.60	3959.36	4044.41	4135.77	4211.03	4295.31	4377.61	4460.11
Generation for Own Use	21.44	29.94	41.08	41.18	41.33	41.31	41.40	41.49	41.43	41.43	41.43	41.31	41.30
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.03	0.36	0.57	0.76	0.91	1.08	1.25	1.50	1.69
Combined Heat and Power													
Coal	23.15	23.09	23.15	23.15	23.15	23.15	23.15	23.15	23.15	23.15	23.15	23.15	23.15
Petroleum	5.72	5.61	6.14	6.14	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08
Natural Gas	83.03	82.77	89.35	92.14	94.87	98.37	101.84	105.32	108.68	112.19	115.05	117.88	120.44
Other Gaseous Fuels	6.07	5.69	5.93	5.93	7.13	7.13	7.13	7.13	7.13	7.13	7.13	7.13	7.13
Renewable Sources 4/	31.18	31.13	30.83	32.20	33.25	34.04	34.68	35.58	36.53	37.83	39.38	40.81	42.01
Other	11.17	11.17	11.17	11.17	11.17	11.17	11.17	11.17	11.17	11.17	11.17	11.17	11.17
Total	160.31	159.47	166.58	170.73	175.66	179.94	184.06	188.43	192.74	197.55	201.97	206.22	209.99
Other End Use Generators	4.24	4.25	4.32	4.35	4.40	4.46	4.54	4.63	4.74	4.88	5.05	5.07	5.09
Sales to Utilities	29.05	27.09	31.89	33.84	35.29	37.29	39.19	41.22	43.21	45.46	47.50	49.46	51.17
Generation for Own Use	135.50	136.64	139.01	141.24	144.76	147.12	149.41	151.84	154.27	156.98	159.52	161.83	163.91

Table 73. Electric Power Projections for EMM Region
United States

Electricity Supply and Demand	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
End-Use Prices													
(2001 cents per kilowatthour)													
Residential	8.4	8.6	8.2	7.9	7.8	7.8	7.7	7.6	7.6	7.6	7.6	7.7	7.7
Commercial	7.5	7.9	7.5	7.1	7.0	6.9	6.7	6.6	6.6	6.7	6.7	6.8	6.8
Industrial	4.6	4.8	4.4	4.4	4.4	4.3	4.3	4.3	4.3	4.4	4.3	4.3	4.3
Transportation	7.5	7.5	7.1	6.9	6.8	6.7	6.6	6.5	6.5	6.5	6.5	6.5	6.4
All Sectors Average	6.9	7.3	6.9	6.6	6.6	6.5	6.4	6.3	6.3	6.4	6.4	6.4	6.4
Prices by Service Category													
(2001 cents per kilowatthour)													
Generation	4.2	4.7	4.4	4.2	4.0	3.9	3.8	3.8	3.8	3.8	3.8	3.9	3.9
Transmission	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Distribution	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Fuel Consumption (quadrillion Btu) 9/													
Coal	20.62	20.16	19.38	19.74	20.14	20.63	21.30	21.97	22.15	22.40	22.71	22.96	23.11
Natural Gas	5.41	5.48	5.39	5.57	5.84	5.82	5.89	5.88	6.45	6.74	6.95	7.25	7.62
Oil	2.26	2.46	1.89	1.90	1.94	1.91	1.92	1.88	1.96	1.92	1.91	1.86	1.85
Total	28.30	28.10	26.67	27.22	27.92	28.36	29.12	29.73	30.56	31.06	31.57	32.07	32.57
Emissions (million tons) 10/													
Total Carbon	684.49	673.95	638.88	650.24	666.56	679.88	700.12	719.03	734.40	745.65	758.77	770.78	781.47
Carbon Dioxide	2509.78	2471.15	2342.55	2384.20	2444.04	2492.89	2567.10	2636.45	2692.79	2734.07	2782.17	2826.20	2865.40
Sulfur Dioxide	11.19	10.63	10.71	10.73	10.61	10.71	10.80	10.58	10.13	9.93	9.57	9.20	8.95
Nitrogen Oxide	5.09	4.75	4.00	4.05	3.53	3.61	3.71	3.83	3.89	3.92	3.92	3.94	3.95

Table 73. Electric Power Projections for EMM Region
United States

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electricity Generating Capacity 1/														
(gigawatts)														
Coal Steam	317.95	320.88	328.11	331.57	337.02	340.65	345.55	348.36	350.57	355.82	361.68	366.56	375.78	0.8%
Other Fossil Steam 2/	81.33	80.45	79.54	79.30	78.71	78.66	78.56	78.34	78.14	77.73	77.73	77.72	77.32	-2.3%
Combined Cycle	212.26	223.63	228.78	233.58	240.94	246.55	254.57	259.34	269.96	275.42	286.63	291.73	301.38	6.5%
Combustion Turbine/Diesel	137.75	142.00	144.94	147.32	149.55	151.76	154.47	157.94	164.25	168.66	173.27	174.88	179.09	2.3%
Nuclear Power	99.81	99.26	99.48	99.59	99.59	99.59	99.59	99.59	99.59	99.59	99.59	99.59	99.59	0.1%
Pumped Storage/Other 3/	20.33	20.33	20.33	20.33	20.33	20.33	20.33	20.33	20.33	20.33	20.33	20.33	20.33	0.1%
Fuel Cells	0.17	0.18	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	33.2%
Renewable Sources 4/	98.98	99.46	100.05	100.44	100.89	101.11	101.73	102.25	102.63	103.01	103.54	104.04	104.56	0.6%
Distributed Generation 5/	3.17	4.01	4.94	5.89	7.03	8.06	9.12	10.14	11.21	12.34	13.52	14.60	15.79	N/A
Total Capacity	971.76	990.20	1006.36	1018.22	1034.26	1046.91	1064.12	1076.49	1096.89	1113.11	1136.51	1149.65	1174.06	1.5%
Cumulative Planned Additions 6/														
Coal Steam	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 Fossil Steam 2/	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
Combined Cycle	63.14	63.14	63.14	63.14	63.14	63.14	63.14	63.14	63.14	63.14	63.14	63.14	63.14	N/A
Combustion Turbine/Diesel	27.79	27.79	27.79	27.79	27.79	27.79	27.79	27.79	27.79	27.79	27.79	27.79	27.79	N/A
Nuclear Power	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
Pumped Storage/Other 3/	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	N/A
Fuel Cells	0.17	0.18	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	N/A
Renewable Sources 4/	5.54	5.67	5.81	5.95	6.13	6.19	6.31	6.43	6.45	6.48	6.50	6.52	6.54	N/A
Distributed Generation 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
Total Planned Additions	96.93	97.08	97.23	97.38	97.56	97.62	97.74	97.86	97.88	97.91	97.93	97.95	97.97	N/A
Cumulative Unplanned Additions 6/														
Coal Steam	13.25	16.71	23.93	27.39	32.84	37.77	42.67	45.47	48.53	53.79	59.64	64.52	74.01	N/A
Other Fossil Steam 2/	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
Combined Cycle	82.24	93.62	98.77	103.56	110.92	116.53	124.55	129.32	139.95	145.40	156.61	161.71	171.37	N/A
Combustion Turbine/Diesel	17.50	21.74	24.82	27.48	29.72	32.48	36.29	39.95	46.26	50.66	55.45	57.67	61.89	N/A
Nuclear Power	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
Pumped Storage/Other 3/	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
Fuel Cells	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
Renewable Sources 4/	2.16	2.50	2.96	3.20	3.47	3.63	4.13	4.53	4.89	5.25	5.76	6.23	6.74	N/A
Distributed Generation 5/	3.17	4.01	4.94	5.89	7.03	8.06	9.12	10.14	11.21	12.34	13.52	14.60	15.79	N/A
Total Unplanned Additions	118.33	138.58	155.42	167.53	183.98	198.48	216.77	229.42	250.84	267.44	290.99	304.74	329.79	N/A
Cumulative Total Additions	215.26	235.66	252.65	264.92	281.54	296.10	314.51	327.28	348.73	365.34	388.92	402.69	427.76	N/A
Cumulative Retirements 7/														
Coal Steam	5.79	6.31	6.31	6.31	6.31	7.60	7.60	7.60	8.44	8.44	8.44	8.44	8.71	N/A
Other Fossil Steam 3/	52.12	53.00	53.91	54.15	54.74	54.79	54.89	55.11	55.31	55.72	55.72	55.73	56.13	N/A
Combined Cycle	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	N/A
Combustion Turbine/Diesel	10.31	10.31	10.45	10.73	10.73	11.29	12.38	12.57	12.57	12.57	12.75	13.36	13.36	N/A
Nuclear Power	1.83	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	N/A
Pumped Storage	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
Fuel Cells	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
Renewable Sources 4/	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	N/A
Total	70.68	73.07	74.12	74.65	75.23	77.14	78.34	78.75	79.79	80.19	80.36	80.99	81.65	N/A
Combined Heat and Power 8/														
Capacity														
Coal	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	4.76	0.0%
Petroleum	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.01	1.01	1.01	1.02	1.02	0.6%

Table 73. Electric Power Projections for EMM Region
United States

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Natural Gas	19.43	19.80	20.24	20.72	21.23	21.85	22.49	23.26	24.04	24.93	25.78	26.75	27.66	2.7%
Other Gaseous Fuels	2.18	2.18	2.18	2.18	2.18	2.19	2.20	2.21	2.23	2.24	2.25	2.27	2.29	0.3%
Renewable Sources 4/	6.80	7.00	7.17	7.33	7.49	7.68	7.87	8.04	8.20	8.40	8.59	8.80	9.00	2.7%
Other	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	N/A
Total	34.86	35.43	36.03	36.67	37.35	38.16	39.01	39.96	40.93	42.03	43.08	44.29	45.40	2.1%
Other End Use Generators	1.50	1.51	1.54	1.56	1.59	1.62	1.65	1.71	1.77	1.83	1.90	1.96	2.03	2.5%
Electricity Demand (billion kilowatthours)														
Residential	1499.27	1518.06	1538.03	1560.18	1575.05	1594.22	1614.74	1638.15	1653.33	1673.05	1694.70	1720.89	1740.15	1.6%
Commercial/Other	1571.02	1605.25	1638.35	1671.36	1705.78	1741.20	1778.44	1814.49	1852.00	1888.53	1926.11	1962.88	2001.45	2.2%
Industrial	1232.17	1253.28	1269.85	1283.68	1301.06	1318.63	1339.83	1356.88	1374.56	1396.82	1418.85	1443.23	1464.55	1.7%
Transportation	29.62	30.43	31.25	32.06	33.01	33.99	34.96	36.09	37.22	38.33	39.46	40.60	41.69	2.8%
Total Sales	4332.08	4407.03	4477.48	4547.29	4614.90	4688.04	4767.97	4845.61	4917.11	4996.72	5079.11	5167.60	5247.85	1.8%
Net Energy for Load (billion kilowatthours) 7/														
Gross International Imports	39.95	36.94	37.53	34.43	30.70	26.20	22.03	24.37	20.95	17.99	16.17	15.56	14.38	-4.0%
Gross International Exports	13.47	12.50	11.53	10.57	9.60	8.63	8.14	7.66	7.66	7.66	7.66	7.66	7.66	-3.5%
Gross Interregional Electricity Imports	251.89	237.94	231.96	213.49	208.49	190.67	185.96	173.75	176.04	166.32	175.43	159.70	170.59	-2.5%
Gross Interregional Electricity Exports	257.16	243.37	237.61	219.14	214.40	196.74	192.16	180.00	182.40	172.57	182.10	166.43	177.88	-2.4%
Purchases from Combined Heat and Power 8/	52.89	54.62	56.34	58.10	59.96	62.09	64.52	67.08	69.56	72.54	75.41	78.83	81.82	4.7%
Electric Power Sector Generation for Customers	4531.73	4607.86	4676.04	4750.00	4819.52	4898.01	4983.28	5059.26	5135.81	5219.36	5305.03	5395.01	5477.72	1.8%
Total Net Energy for Load	4534.50	4605.83	4681.49	4752.72	4826.31	4894.68	4971.60	5055.48	5136.80	5212.30	5295.97	5382.27	5475.01	1.9%
Generation by Fuel Type (billion kilowatthours)														
Coal	2289.89	2315.14	2368.04	2396.48	2436.74	2466.09	2504.75	2529.77	2549.29	2588.10	2632.92	2670.04	2736.46	1.6%
Petroleum	45.23	47.90	47.19	48.76	47.74	46.07	44.96	45.82	49.54	44.89	47.19	53.17	54.88	-3.2%
Natural Gas	1028.40	1070.01	1089.41	1130.02	1158.28	1207.38	1251.54	1298.22	1349.35	1396.99	1432.92	1477.05	1488.66	4.4%
Nuclear	806.82	811.01	804.95	806.31	806.64	806.89	807.14	807.38	807.49	807.49	807.49	807.49	807.49	0.2%
Pumped Storage/Other 3/	-0.94	-0.94	-0.94	-0.94	-0.94	-0.94	-0.94	-0.94	-0.94	-0.94	-0.94	-0.94	-0.94	-7.5%
Renewable Sources 4/	403.62	406.04	408.69	410.67	412.36	413.83	417.14	420.31	422.39	424.14	426.76	429.51	432.48	2.1%
Total Generation	4573.03	4649.16	4717.34	4791.30	4860.82	4939.31	5024.58	5100.56	5177.11	5260.66	5346.33	5436.31	5519.02	1.8%
Sales to Customers	4531.73	4607.86	4676.04	4750.00	4819.52	4898.01	4983.28	5059.26	5135.81	5219.36	5305.03	5395.01	5477.72	1.8%
Generation for Own Use	41.30	41.30	41.30	41.30	41.30	41.30	41.30	41.30	41.30	41.30	41.30	41.30	41.30	1.3%
Distributed Generation 5/	1.90	2.27	2.67	3.09	3.59	4.04	4.50	4.95	5.42	5.91	6.43	6.91	7.43	N/A
Combined Heat and Power														
Coal	23.15	23.15	23.15	23.15	23.15	23.15	23.15	23.15	23.15	23.15	23.15	23.15	23.15	0.0%
Petroleum	6.08	6.08	6.09	6.09	6.09	6.10	6.12	6.14	6.16	6.18	6.21	6.24	6.26	0.5%
Natural Gas	123.13	125.85	129.04	132.58	136.29	140.63	145.43	151.09	156.66	163.13	169.31	176.55	182.99	3.4%
Other Gaseous Fuels	7.13	7.13	7.13	7.13	7.13	7.13	7.25	7.37	7.40	7.52	7.64	7.83	7.89	1.4%
Renewable Sources 4/	43.13	44.30	45.30	46.20	47.18	48.25	49.36	50.36	51.33	52.47	53.59	54.80	55.95	2.5%
Other	11.17	11.17	11.17	11.17	11.17	11.17	11.17	11.17	11.17	11.17	11.17	11.17	11.17	0.0%
Total	213.80	217.68	221.88	226.33	231.02	236.43	242.49	249.29	255.87	263.62	271.06	279.74	287.41	2.5%
Other End Use Generators	5.11	5.14	5.19	5.25	5.31	5.38	5.44	5.57	5.69	5.82	5.95	6.09	6.22	1.6%
Sales to Utilities	52.89	54.62	56.34	58.10	59.96	62.09	64.52	67.08	69.56	72.54	75.41	78.83	81.82	4.7%
Generation for Own Use	166.02	168.20	170.74	173.48	176.37	179.72	183.40	187.78	192.00	196.90	201.60	207.00	211.80	1.8%
End-Use Prices (2001 cents per kilowatthour)														
Residential	7.7	7.7	7.7	7.8	7.7	7.8	7.8	7.8	7.8	7.9	7.9	7.9	7.9	-0.4%
Commercial	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.2	7.1	7.2	7.2	7.3	7.3	-0.4%

Table 73. Electric Power Projections for EMM Region
United States

Electricity Supply and Demand	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Industrial	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.6	-0.2%
Transportation	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.3	6.2	6.2	6.1	6.1	6.1	-0.8%
All Sectors Average	6.4	6.4	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.7	6.7	6.8	6.7	-0.3%
Prices by Service Category														
(2001 cents per kilowatthour)														
Generation	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.1	4.1	4.2	4.2	4.2	4.2	-0.5%
Transmission	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7%
Distribution	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	-0.2%
Fuel Consumption (quadrillion Btu) 9/														
Coal	23.34	23.56	24.01	24.26	24.61	24.85	25.18	25.41	25.57	25.90	26.29	26.60	27.16	1.2%
Natural Gas	7.83	8.05	8.16	8.44	8.60	8.94	9.22	9.54	9.87	10.20	10.39	10.69	10.72	2.8%
Oil	1.83	1.81	1.82	1.83	1.82	1.81	1.81	1.83	1.85	1.83	1.82	1.88	1.87	-1.1%
Total	33.00	33.42	33.99	34.53	35.03	35.60	36.21	36.78	37.29	37.92	38.50	39.17	39.74	1.5%
Emissions (million tons) 10/														
Total Carbon	791.71	801.84	816.18	828.13	840.45	852.35	866.23	878.16	888.45	902.43	916.84	931.53	947.79	1.4%
Carbon Dioxide	2902.95	2940.09	2992.65	3036.46	3081.64	3125.27	3176.17	3219.93	3257.65	3308.90	3361.75	3415.61	3475.21	1.4%
Sulfur Dioxide	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	-0.7%
Nitrogen Oxide	3.97	3.97	3.99	4.00	4.02	4.02	4.04	4.06	4.06	4.08	4.10	4.12	4.12	-0.6%

Table 73. Electric Power Projections for EMM Region
United States

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860, "Annual Electric Generator Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.
2/ Includes oil-, gas-, and dual-fired capacity.
3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
5/ Primarily peak-load capacity fueled by natural gas.
6/ Cumulative additions after December 31, 2001.
7/ Generation to meet system load by source.
8/ Combined heat and power produces electricity and other useful thermal energy (such as steam or heat) through the sequential use of energy.
9/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.
10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).
O&M = Operation and maintenance.
EMM = Electricity market module.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Other 2001 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, July 2002) and EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 74. Electric Generation by Electricity Market Module Region and Source
(Billion Kwh)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
East Central Area Reliability Coordination Agreement													
Coal	505.67	482.34	492.23	504.41	510.12	517.99	529.68	545.96	556.64	563.18	566.85	570.75	574.41
Petroleum	3.26	1.95	0.43	0.77	0.72	0.72	0.69	0.70	0.68	0.61	0.58	0.55	0.54
Natural Gas	14.60	15.53	40.07	43.85	52.37	53.71	56.74	55.88	63.54	76.18	78.53	87.50	91.16
Nuclear	47.76	55.35	56.87	57.11	57.30	57.88	58.07	56.91	47.07	47.22	47.35	47.41	47.47
Pumped Storage/Other 1/	-0.92	-1.61	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Renewables 2/	5.37	5.77	6.05	6.62	6.87	8.53	8.70	7.71	7.73	8.11	8.83	8.93	8.88
Total	575.75	559.32	595.64	612.75	627.36	638.81	653.86	667.15	675.64	695.29	702.14	715.14	722.45
Electric Reliability Council of Texas													
Coal	106.58	102.26	103.47	103.74	106.93	109.61	111.64	114.00	112.65	112.64	116.95	116.95	116.95
Petroleum	2.49	2.92	0.02	0.04	0.04	0.04	0.03	0.04	0.05	0.17	0.04	0.05	0.03
Natural Gas	127.96	114.21	131.05	137.61	141.13	142.56	146.05	149.07	156.92	160.42	165.82	172.50	180.81
Nuclear	37.56	38.16	38.22	38.30	38.65	38.97	38.97	38.97	40.40	40.49	40.49	40.49	40.49
Pumped Storage/Other 1/	1.34	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewables 2/	1.21	1.42	4.39	5.58	5.94	6.23	6.73	6.94	7.15	7.37	7.45	7.50	7.55
Total	277.14	260.32	277.15	285.27	292.70	297.43	303.43	309.06	317.24	321.19	330.89	337.65	346.02
Mid-Atlantic Area Council													
Coal	118.67	112.31	117.52	120.48	121.36	124.45	133.08	137.92	139.19	140.15	140.92	140.14	141.63
Petroleum	6.98	8.31	1.97	1.99	1.76	1.70	1.84	1.91	2.13	2.20	2.49	2.47	2.69
Natural Gas	19.46	19.65	25.38	27.13	30.25	27.07	26.58	25.30	30.15	30.42	34.09	34.60	38.48
Nuclear	104.08	104.68	106.11	106.62	108.52	108.62	109.18	109.25	109.74	109.74	109.74	109.74	109.74
Pumped Storage/Other 1/	-0.48	-0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewables 2/	7.69	6.64	8.75	9.31	9.98	10.82	11.18	11.58	12.09	12.29	12.46	13.02	13.15
Total	256.41	251.25	259.74	265.52	271.87	272.69	281.91	286.03	293.40	294.93	299.85	300.15	305.91
Mid-America Interconnected Network													
Coal	154.02	150.75	147.21	153.16	157.94	160.13	166.51	173.27	180.51	183.02	185.73	187.46	189.24
Petroleum	0.85	2.18	0.13	0.20	0.19	0.16	0.16	0.16	0.18	0.18	0.19	0.18	0.19
Natural Gas	5.71	5.33	12.06	12.03	10.03	9.65	8.16	8.22	9.22	9.93	9.93	9.71	10.70
Nuclear	110.94	112.25	111.67	112.46	113.02	113.06	113.80	113.83	113.86	113.88	113.88	113.88	113.88
Pumped Storage/Other 1/	-0.15	-0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewables 2/	3.88	3.91	4.50	4.84	4.95	5.63	5.71	5.77	5.91	6.11	6.17	6.29	6.31
Total	275.25	274.21	275.57	282.70	286.13	288.64	294.35	301.27	309.72	313.18	316.00	317.69	320.51
Mid-Continent Area Power Pool													
Coal	121.97	122.43	118.63	122.20	127.22	131.49	135.83	142.30	144.71	148.71	155.41	160.88	161.16
Petroleum	0.71	0.82	0.18	0.23	0.19	0.19	0.20	0.21	0.25	0.30	0.31	0.29	0.31
Natural Gas	1.89	2.33	3.38	2.54	1.77	1.55	1.68	1.54	2.56	2.67	2.59	2.91	3.58
Nuclear	26.04	24.37	29.41	29.41	29.54	29.54	29.54	29.54	29.54	29.54	29.54	29.54	29.54
Pumped Storage/Other 1/	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
Renewables 2/	14.35	10.89	16.26	18.56	19.31	19.71	19.79	19.80	19.80	19.79	19.78	19.78	19.77
Total	164.95	160.83	167.86	172.94	178.03	182.49	187.03	193.40	196.88	201.05	207.69	213.47	214.45
Northeast Power Coordinating Council/ New York													
Coal	24.16	22.71	23.84	24.05	24.39	24.82	25.86	26.08	26.00	25.96	25.91	25.60	25.62
Petroleum	14.71	16.35	11.17	7.54	7.37	7.31	7.41	7.31	7.37	7.72	8.41	8.84	9.23
Natural Gas	38.60	37.60	28.78	31.76	32.61	39.57	39.65	45.24	47.70	52.88	52.14	57.99	58.65
Nuclear	31.51	40.39	38.37	38.44	38.51	38.58	38.66	39.29	39.42	39.52	39.58	39.64	39.70

Table 74. Electric Generation by Electricity Market Module Region and Source
(Billion Kwh)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Pumped Storage/Other 1/	-0.64	-0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewables 2/	27.01	25.19	17.15	20.55	21.39	22.13	22.86	23.63	23.62	23.57	23.61	23.61	23.66
Total	135.35	141.69	119.31	122.34	124.28	132.42	134.43	141.54	144.11	149.65	149.64	155.67	156.86
Northeast Power Coordinating Council/													
New England													
Coal	18.61	18.39	19.35	19.43	19.98	20.62	21.40	22.01	21.77	21.77	21.77	21.77	21.77
Petroleum	17.66	15.65	7.22	5.43	8.68	8.47	8.93	9.69	11.86	8.77	9.49	8.75	9.95
Natural Gas	22.79	31.35	47.59	48.88	47.43	45.52	45.81	46.28	47.51	52.58	52.54	55.05	55.76
Nuclear	34.35	33.44	34.75	34.83	34.91	34.98	35.06	35.31	35.39	35.46	35.54	35.62	35.62
Pumped Storage/Other 1/	-0.70	-0.71	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Renewables 2/	13.89	11.71	11.61	12.40	12.54	12.54	12.67	12.83	12.99	13.50	13.78	14.19	14.55
Total	106.61	109.83	120.52	120.96	123.53	122.11	123.87	126.11	129.50	132.09	133.13	135.39	137.67
Southeastern Electric Reliability Council/													
Florida													
Coal	64.25	61.47	72.69	74.02	71.52	73.97	76.13	78.18	77.55	77.55	79.57	81.65	81.65
Petroleum	35.37	40.50	5.30	4.65	4.34	5.20	5.48	5.53	6.73	6.93	7.33	6.64	7.95
Natural Gas	41.41	42.17	43.22	43.83	50.84	51.56	53.41	57.00	63.84	69.46	74.09	79.64	85.43
Nuclear	32.29	31.58	31.82	31.86	32.01	32.27	32.32	32.32	32.32	32.32	32.32	32.32	32.32
Pumped Storage/Other 1/	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
Renewables 2/	3.84	3.97	3.75	4.09	4.07	4.12	4.27	4.27	4.27	4.27	4.28	4.27	4.27
Total	177.16	179.69	156.78	158.44	162.78	167.12	171.62	177.30	184.70	190.53	197.59	204.53	211.63
Southeastern Electric Reliability Council/													
excluding Florida													
Coal	467.21	451.38	437.33	443.65	455.22	469.54	485.51	497.96	501.83	506.73	516.18	526.94	531.11
Petroleum	10.27	16.10	3.53	2.70	2.82	2.67	2.49	2.53	3.10	2.98	3.10	3.02	3.16
Natural Gas	63.27	72.43	81.14	91.42	93.97	86.28	87.75	84.70	99.78	105.85	117.49	126.38	137.82
Nuclear	246.14	248.06	247.39	248.62	251.28	254.79	255.61	264.47	264.82	265.24	267.03	267.39	268.97
Pumped Storage/Other 1/	-1.12	-3.95	-0.14	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17
Renewables 2/	20.69	27.22	32.35	37.22	38.30	38.61	38.70	38.57	38.65	39.08	39.14	39.16	39.61
Total	806.46	811.24	801.60	823.43	841.42	851.72	869.88	888.07	908.01	919.71	942.77	962.72	980.51
Southwest Power Pool													
Coal	127.01	125.80	137.48	139.26	145.21	150.15	154.09	154.67	150.60	150.72	153.54	153.59	156.64
Petroleum	0.79	1.06	0.32	0.23	0.32	0.31	0.31	0.33	0.41	0.43	0.43	0.44	0.40
Natural Gas	40.63	38.39	32.16	39.28	39.76	37.61	37.28	35.94	42.85	43.61	44.88	46.12	51.84
Nuclear	9.06	10.35	9.74	9.74	9.84	9.84	9.84	9.84	9.84	9.84	9.84	9.84	9.84
Pumped Storage/Other 1/	-0.13	-0.13	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
Renewables 2/	4.62	5.06	5.22	5.67	5.76	5.82	5.87	5.88	5.88	5.88	5.90	5.91	5.92
Total	181.97	180.53	184.88	194.13	200.84	203.69	207.34	206.62	209.53	210.44	214.54	215.86	224.59
Western Electricity Coordinating Council/													
Northwest Power Pool Area													
Coal	77.19	73.83	78.10	77.49	79.61	81.53	83.35	86.87	85.49	85.51	85.53	85.48	85.53
Petroleum	1.12	1.89	0.02	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Natural Gas	20.76	21.63	23.90	28.00	31.67	37.18	42.36	49.84	56.58	63.47	70.19	75.58	78.79
Nuclear	8.60	8.25	8.90	8.90	8.98	8.98	8.98	8.98	8.98	8.98	8.98	8.98	8.98
Pumped Storage/Other 1/	0.26	0.26	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22
Renewables 2/	140.69	99.34	136.87	156.92	160.22	161.18	162.35	163.50	164.25	164.75	165.30	166.15	166.55
Total	248.63	205.21	247.56	271.11	280.31	288.79	297.03	309.30	315.41	322.83	330.15	336.37	340.07
Western Electricity Coordinating Council/													
Rocky Mountain Power Area and Arizona-New Mexico-Southern Nevada Power Area													

Table 74. Electric Generation by Electricity Market Module Region and Source
(Billion Kwh)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Coal	128.28	127.67	111.53	110.75	114.01	117.05	118.96	121.45	119.74	124.78	124.78	129.49	129.49
Petroleum	0.39	0.58	0.50	0.69	0.85	0.86	0.86	0.85	0.87	0.87	0.87	0.87	0.87
Natural Gas	29.85	35.32	41.34	54.62	55.19	53.29	50.12	39.94	45.99	43.49	44.83	42.50	45.63
Nuclear	22.05	20.85	21.63	21.99	21.99	22.21	22.21	22.21	22.21	22.21	22.21	22.21	22.21
Pumped Storage/Other 1/	-0.10	0.05	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
Renewables 2/	18.40	16.92	17.98	20.09	20.53	20.63	20.70	20.77	20.79	21.32	21.32	21.87	21.88
Total	198.86	201.39	192.95	208.11	212.53	214.18	212.99	205.37	209.74	212.82	214.17	217.11	220.26
Western Electricity Coordinating Council/													
California													
Coal	27.55	27.78	36.35	36.00	37.00	37.87	43.18	49.54	48.95	48.95	48.95	48.95	48.95
Petroleum	2.21	2.69	0.75	0.74	0.75	0.20	0.06	0.06	0.06	0.33	2.03	4.04	2.31
Natural Gas	87.87	96.48	99.21	84.64	94.08	97.78	100.48	104.74	113.72	118.68	126.18	133.03	147.84
Nuclear	43.50	41.09	42.34	42.55	42.61	43.11	43.42	43.49	43.55	43.62	43.69	43.75	43.82
Pumped Storage/Other 1/	-0.64	-0.26	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44
Renewables 2/	57.12	42.85	54.50	60.62	61.35	63.61	64.50	65.39	65.40	65.42	65.43	65.42	65.42
Total	174.97	196.65	228.00	238.24	248.63	253.85	258.09	255.75	263.24	276.44	278.43	285.98	288.67

Table 74. Electric Generation by Electricity Market Module Region and Source
(Billion Kwh)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
East Central Area Reliability Coordination Agreement														
Coal	577.07	579.08	580.36	582.09	582.37	582.81	584.10	586.23	586.84	587.81	590.64	591.48	595.27	0.9%
Petroleum	0.54	0.60	0.60	0.60	0.60	0.60	0.60	0.67	0.67	0.69	0.69	0.69	0.74	-4.0%
Natural Gas	97.55	99.39	109.02	112.95	124.95	129.47	142.69	147.13	163.91	168.40	182.67	178.46	189.87	11.0%
Nuclear	47.54	47.60	47.66	47.72	47.79	47.85	47.91	47.98	48.00	48.00	48.00	48.00	48.00	-0.6%
Pumped Storage/Other 1/	-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	-18.5%
Renewables 2/	8.93	8.98	9.31	9.30	9.32	9.33	9.52	9.43	9.58	9.57	9.83	9.83	9.89	2.3%
Total	731.60	735.65	746.94	752.66	765.02	770.05	784.82	791.43	808.99	814.46	831.82	828.45	843.75	1.7%
Electric Reliability Council of Texas														
Coal	116.95	119.11	119.11	120.64	120.64	120.64	120.64	120.64	120.64	120.64	120.64	120.64	122.95	0.8%
Petroleum	0.17	0.11	0.06	0.10	0.12	0.03	0.03	0.18	0.18	0.19	0.19	0.20	0.18	-10.9%
Natural Gas	185.56	189.44	194.26	198.46	202.39	207.37	212.43	217.10	221.05	225.44	230.77	237.21	239.39	3.1%
Nuclear	40.49	40.49	40.49	40.49	40.49	40.49	40.49	40.49	40.49	40.49	40.49	40.49	40.49	0.2%
Pumped Storage/Other 1/	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
Renewables 2/	7.59	7.64	7.68	7.73	7.78	7.83	7.87	7.92	7.94	7.94	7.95	7.96	7.96	7.4%
Total	350.96	357.02	361.85	367.71	371.73	376.70	381.84	386.72	390.72	395.15	400.51	406.98	411.49	1.9%
Mid-Atlantic Area Council														
Coal	142.29	142.91	142.98	143.45	143.86	147.47	147.48	147.86	147.87	148.15	148.09	152.48	152.28	1.3%
Petroleum	2.93	2.72	2.78	2.94	2.89	2.83	2.74	2.93	2.93	2.86	2.84	2.86	2.90	-4.3%
Natural Gas	39.03	42.78	44.55	49.74	50.65	55.21	55.08	60.05	58.82	64.51	64.80	67.66	70.69	5.5%
Nuclear	109.74	109.74	109.74	110.70	110.70	110.70	110.70	110.70	110.70	110.70	110.70	110.70	110.70	0.2%
Pumped Storage/Other 1/	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
Renewables 2/	13.43	13.46	13.57	13.50	13.50	13.38	13.39	13.38	13.40	13.46	13.53	13.87	13.94	3.1%
Total	307.65	311.87	313.95	320.72	322.06	330.11	329.92	335.51	334.33	340.36	340.64	348.32	351.28	1.4%
Mid-America Interconnected Network														
Coal	190.29	190.95	190.66	191.04	191.28	188.53	189.37	190.25	187.60	187.43	187.74	188.08	188.05	0.9%
Petroleum	0.20	0.20	0.20	0.21	0.21	0.21	0.22	0.25	0.26	0.26	0.26	0.26	0.26	-8.4%
Natural Gas	10.75	10.84	10.59	11.55	12.60	15.76	18.16	20.62	23.63	27.21	29.21	32.06	32.06	7.8%
Nuclear	113.88	113.88	113.88	113.88	113.88	113.88	113.88	113.88	113.88	113.88	113.88	113.88	113.88	0.1%
Pumped Storage/Other 1/	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
Renewables 2/	6.31	6.32	6.29	6.29	6.28	6.28	6.26	6.20	6.18	6.15	6.15	6.12	6.08	1.9%
Total	321.68	322.47	321.92	323.28	324.61	325.08	328.36	331.73	332.13	335.58	337.95	341.18	341.17	0.9%
Mid-Continent Area Power Pool														
Coal	161.46	165.04	170.24	173.25	177.67	182.97	187.10	190.33	194.10	198.98	203.22	207.54	211.57	2.3%
Petroleum	0.30	0.27	0.27	0.28	0.28	0.30	0.32	0.33	0.35	0.33	0.35	0.34	0.32	-3.9%
Natural Gas	4.83	4.69	4.18	4.48	4.40	4.49	4.38	4.76	4.93	5.04	4.90	4.84	4.23	2.5%
Nuclear	30.76	31.61	31.66	31.71	31.76	31.82	31.87	31.92	31.94	31.94	31.94	31.94	31.94	1.1%
Pumped Storage/Other 1/	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
Renewables 2/	19.76	19.76	19.75	19.75	19.74	19.73	19.72	19.71	19.71	19.71	19.71	19.71	19.70	2.5%
Total	217.22	221.49	226.24	229.62	234.01	239.48	243.58	247.25	251.26	256.23	260.37	264.62	268.02	2.2%
Northeast Power Coordinating Council/ New York														
Coal	25.91	25.95	26.22	26.27	26.33	26.52	26.49	26.53	26.51	26.56	26.52	26.51	26.55	0.7%
Petroleum	9.66	9.76	9.90	9.91	9.79	9.70	9.75	10.00	10.01	10.02	10.06	10.08	10.09	-2.0%
Natural Gas	61.92	62.43	66.87	67.18	68.45	68.88	76.42	78.78	86.04	87.97	94.27	95.46	95.16	3.9%
Nuclear	39.76	39.82	31.58	31.64	31.70	31.76	31.82	31.88	31.90	31.90	31.90	31.90	31.90	-1.0%

Table 74. Electric Generation by Electricity Market Module Region and Source
(Billion Kwh)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Pumped Storage/Other 1/	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
Renewables 2/	23.58	23.63	23.51	23.50	23.42	23.42	23.41	23.40	23.40	23.41	23.41	23.40	23.41	-0.3%
Total	160.83	161.58	158.08	158.49	159.69	160.28	167.89	170.59	177.87	179.85	186.16	187.36	187.11	1.2%
Northeast Power Coordinating Council/														
New England														
Coal	21.77	21.77	21.77	21.81	21.77	21.77	21.81	21.81	21.81	21.81	21.81	21.81	21.81	0.7%
Petroleum	10.58	11.25	11.53	12.29	12.24	12.17	12.43	11.91	11.74	11.44	10.64	11.40	11.17	-1.4%
Natural Gas	56.08	57.13	57.00	56.97	58.20	58.65	59.29	57.72	59.79	63.25	64.77	66.27	69.13	3.3%
Nuclear	35.62	35.62	35.62	35.62	35.62	35.62	35.62	35.62	35.62	35.62	35.62	35.62	35.62	0.3%
Pumped Storage/Other 1/	-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	-15.7%
Renewables 2/	14.92	15.30	15.69	16.10	16.68	16.98	17.34	17.77	17.88	17.96	17.96	17.96	17.96	1.8%
Total	139.00	141.09	141.64	142.83	144.54	145.22	146.54	144.87	146.89	150.12	150.85	153.12	155.74	1.5%
Southeastern Electric Reliability Council/														
Florida														
Coal	81.65	81.65	84.18	86.13	88.22	91.20	93.13	93.16	93.19	94.96	97.66	99.83	102.94	2.2%
Petroleum	8.19	7.76	7.23	7.19	6.76	5.67	4.95	5.29	5.03	5.09	4.86	5.04	4.26	-9.0%
Natural Gas	89.86	96.13	99.83	104.53	107.79	113.83	117.75	123.01	129.71	133.47	137.76	144.61	148.06	5.4%
Nuclear	32.32	32.32	32.32	32.32	32.32	32.32	32.32	32.32	32.32	32.32	32.32	32.32	32.32	0.1%
Pumped Storage/Other 1/	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
Renewables 2/	4.27	4.27	4.27	4.27	4.27	4.26	4.26	4.27	4.27	4.27	4.46	4.69	5.03	1.0%
Total	216.31	222.15	227.87	234.49	239.42	247.38	252.54	258.20	264.68	270.30	277.29	286.75	292.90	2.1%
Southeastern Electric Reliability Council/														
excluding Florida														
Coal	542.46	549.47	576.18	592.07	612.14	629.38	647.84	663.95	673.70	699.75	720.36	741.34	766.73	2.2%
Petroleum	3.14	3.08	2.86	3.00	2.86	2.71	2.70	2.77	2.71	2.77	2.64	2.77	2.76	-7.1%
Natural Gas	145.90	158.65	155.32	160.56	158.89	165.20	166.78	173.54	176.41	175.15	172.78	184.31	179.28	3.8%
Nuclear	271.80	274.98	277.05	277.28	277.44	277.51	277.58	277.65	277.68	277.68	277.68	277.68	277.68	0.5%
Pumped Storage/Other 1/	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-12.2%
Renewables 2/	39.79	40.33	40.25	40.23	40.22	40.20	40.19	40.18	40.20	40.58	40.95	41.28	41.71	1.8%
Total	1002.93	1026.34	1051.48	1072.97	1091.38	1114.84	1134.92	1157.92	1170.53	1195.76	1214.24	1247.21	1267.99	1.9%
Southwest Power Pool														
Coal	156.85	161.94	161.86	163.40	163.40	163.23	163.32	163.45	163.11	163.27	163.42	164.13	178.10	1.5%
Petroleum	0.43	0.36	0.29	0.38	0.37	0.39	0.39	0.39	0.39	0.40	0.41	0.39	0.39	-4.1%
Natural Gas	52.38	55.80	56.93	59.02	60.46	63.61	65.43	67.82	69.56	72.25	73.85	78.24	72.07	2.7%
Nuclear	9.84	9.84	9.84	9.84	9.84	9.84	9.84	9.84	9.84	9.84	9.84	9.84	9.84	-0.2%
Pumped Storage/Other 1/	-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	-4.1%
Renewables 2/	5.92	5.93	5.93	5.93	5.94	5.94	5.94	5.95	5.95	5.96	5.97	5.98	5.98	0.7%
Total	225.38	233.83	234.80	238.55	239.98	242.98	244.90	247.43	248.82	251.69	253.46	258.54	266.34	1.6%
Western Electricity Coordinating Council/														
Northwest Power Pool Area														
Coal	85.53	85.53	87.52	87.52	89.28	89.64	91.12	91.12	93.26	95.67	98.10	99.68	102.49	1.4%
Petroleum	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	-14.5%
Natural Gas	80.55	87.47	89.30	90.85	93.04	95.11	99.75	102.81	104.21	105.87	109.92	115.57	117.64	7.3%
Nuclear	8.98	8.98	8.98	8.98	8.98	8.98	8.98	8.98	8.98	8.98	8.98	8.98	8.98	0.4%
Pumped Storage/Other 1/	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	N/A
Renewables 2/	167.77	168.14	168.43	169.17	169.33	169.99	170.93	172.69	173.07	173.48	173.74	174.81	175.67	2.4%
Total	343.07	350.45	354.66	357.05	361.27	364.45	371.60	376.52	380.54	385.15	392.00	400.40	406.27	2.9%
Western ElectricityCoordinating Council/														
Rocky Mountain Power Area and Arizona-New Mexico-Southern Nevada Power Area														

Table 74. Electric Generation by Electricity Market Module Region and Source
(Billion Kwh)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Coal	138.48	139.89	151.91	151.91	160.65	160.65	169.03	169.03	173.04	173.04	182.59	182.59	191.98	1.7%
Petroleum	0.87	1.04	0.87	0.87	0.87	0.87	0.86	0.86	0.87	0.86	0.86	0.87	1.03	2.4%
Natural Gas	39.47	38.46	30.16	32.28	28.30	30.07	27.32	30.26	35.38	38.84	37.16	39.09	36.44	0.1%
Nuclear	22.21	22.21	22.21	22.21	22.21	22.21	22.21	22.21	22.21	22.21	22.21	22.21	22.21	0.3%
Pumped Storage/Other 1/	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	N/A
Renewables 2/	22.70	22.70	23.65	23.66	24.30	24.31	24.99	25.00	25.63	25.64	26.32	26.35	26.78	1.9%
Total	223.95	224.53	229.06	231.21	236.69	238.48	244.88	247.85	257.70	261.19	269.83	271.80	279.21	1.4%
Western Electricity Coordinating Council/														
California														
Coal	48.95	51.60	54.81	56.66	58.87	61.01	63.06	65.13	67.34	69.76	71.83	73.66	75.46	4.3%
Petroleum	0.49	2.85	2.57	2.78	2.42	2.08	1.29	1.35	5.35	0.75	3.97	8.65	10.95	6.0%
Natural Gas	161.44	163.69	168.22	178.20	184.84	196.35	202.58	211.10	212.33	225.93	226.32	229.43	230.75	3.7%
Nuclear	43.89	43.92	43.92	43.92	43.92	43.92	43.92	43.92	43.92	43.92	43.92	43.92	43.92	0.3%
Pumped Storage/Other 1/	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	2.3%
Renewables 2/	65.42	66.31	67.00	67.83	68.11	68.64	69.67	70.71	71.39	72.13	72.86	73.54	74.28	2.3%
Total	294.52	296.53	306.87	310.68	321.51	326.18	340.45	345.47	362.35	366.88	383.42	379.43	394.18	2.9%

Table 74. Electric Generation by Electricity Market Module Region and Source
(Billion Kwh)

1/ Other includes methane, propane and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
2/ Renewables include conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Values represent generation for utilities and nonutilities (excluding combined heat and power). Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load as demonstrated by tests during summer peak load.
Sources: 2001 utility generation: Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report." Other 2001 and projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 75. Electric Generation Capacity by Electricity Market Module Region and Source
(Gigawatts)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
East Central Area Reliability Coordination Agreement													
Coal Steam	84.37	84.34	84.34	84.33	84.17	83.59	81.64	81.32	81.32	81.32	81.32	81.32	81.32
Other Fossil Steam 1/	3.78	3.80	3.80	3.80	3.80	3.78	2.21	2.21	0.80	0.80	0.80	0.80	0.80
Combined Cycle	2.39	4.17	7.27	9.66	10.11	12.01	12.01	12.51	12.51	16.50	16.50	18.59	18.59
Combustion Turbine/ Diesel	10.34	14.06	19.27	20.03	20.03	21.36	21.25	21.22	20.50	20.50	20.50	20.50	20.50
Nuclear Power	7.66	7.66	7.67	7.67	7.67	7.68	7.68	7.05	5.99	5.99	5.99	5.99	5.99
Pumped Storage/Other 2/	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36
Fuel Cells	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
Renewable Sources 3/	1.51	1.66	1.74	1.83	1.85	1.87	1.87	1.87	1.87	1.95	1.95	1.98	1.98
Total	113.42	119.05	127.44	130.67	130.98	133.66	130.03	129.55	126.36	130.42	130.42	132.53	132.53
Electric Reliability Council of Texas													
Coal Steam	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.24	15.82	15.82	15.82
Other Fossil Steam 1/	30.13	30.08	30.01	29.72	29.48	26.09	22.88	20.61	19.48	18.31	18.27	17.82	17.79
Combined Cycle	7.68	11.15	15.68	16.60	17.28	17.28	17.28	17.28	19.18	19.35	23.89	23.89	27.63
Combustion Turbine/ Diesel	4.86	6.96	7.52	7.10	7.10	7.08	7.08	6.73	8.51	8.50	10.54	10.54	12.35
Nuclear Power	4.80	4.82	4.82	4.82	4.85	4.89	4.89	4.89	5.07	5.08	5.08	5.08	5.08
Pumped Storage/Other 2/	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
Fuel Cells	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
Renewable Sources 3/	0.77	1.66	1.89	2.31	2.31	2.43	2.50	2.56	2.62	2.68	2.69	2.70	2.71
Total	63.48	69.91	75.16	75.78	76.26	73.04	69.89	67.41	70.27	69.42	76.60	76.23	81.83
Mid-Atlantic Area Council													
Coal Steam	20.09	19.89	19.89	19.89	19.89	19.85	20.18	20.18	20.18	20.18	20.18	20.18	20.18
Other Fossil Steam 1/	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.38
Combined Cycle	4.55	5.78	7.74	9.76	10.48	10.48	10.48	10.48	10.84	11.09	11.85	12.10	12.61
Combustion Turbine/ Diesel	8.70	9.87	10.51	11.09	11.09	11.09	11.09	11.65	11.71	11.71	11.71	11.71	11.71
Nuclear Power	12.99	12.99	13.03	13.07	13.31	13.31	13.36	13.36	13.42	13.42	13.42	13.42	13.42
Pumped Storage/Other 2/	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.05	0.06	0.09	0.11	0.13	0.16
Renewable Sources 3/	1.84	1.88	1.89	1.89	1.89	1.92	1.96	1.99	2.02	2.04	2.07	2.10	2.12
Total	57.90	60.14	62.78	65.42	66.39	66.44	66.91	67.58	68.16	68.52	69.40	69.77	70.36
Mid-America Interconnected Network													
Coal Steam	28.09	28.09	28.09	28.09	28.09	27.77	27.75	27.68	27.68	27.68	27.68	27.68	27.68
Other Fossil Steam 1/	3.99	3.99	3.99	3.99	3.99	3.99	2.75	2.22	2.22	2.22	2.22	2.22	2.22
Combined Cycle	0.37	1.22	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42	2.42
Combustion Turbine/ Diesel	8.01	11.46	14.41	14.39	14.39	14.69	13.95	13.15	13.15	13.83	13.93	14.22	14.22
Nuclear Power	13.23	13.23	13.59	13.67	13.74	13.74	13.83	13.83	13.83	13.83	13.83	13.83	13.83
Pumped Storage/Other 2/	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
Fuel Cells	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
Renewable Sources 3/	0.92	1.03	1.05	1.12	1.12	1.18	1.18	1.18	1.19	1.21	1.22	1.24	1.24
Total	55.05	59.46	64.00	64.13	64.19	64.27	62.37	60.97	61.03	61.78	61.94	62.43	62.48
Mid-Continent Area Power Pool													
Coal Steam	20.37	20.38	20.30	20.30	20.30	20.30	20.27	20.55	20.55	21.00	21.85	22.57	22.57
Other Fossil Steam 1/	0.58	0.57	0.56	0.56	0.56	0.56	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Combined Cycle	0.39	1.28	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.57	1.72
Combustion Turbine/ Diesel	5.42	6.58	6.72	7.09	7.09	7.09	7.01	7.01	7.30	7.57	7.57	7.52	7.52

Table 75. Electric Generation Capacity by Electricity Market Module Region and Source
(Gigawatts)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Nuclear Power	3.78	3.78	3.87	3.87	3.88	3.88	3.88	3.88	3.88	3.88	3.88	3.88	3.88
Pumped Storage/Other 2/	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
Fuel Cells	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
Renewable Sources 3/	3.95	4.08	4.34	4.51	4.58	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63
Total	34.50	36.68	37.22	37.76	37.85	37.91	37.51	37.80	38.12	38.87	39.76	40.61	40.80
Northeast Power Coordinating Council/ New York													
Coal Steam	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74
Other Fossil Steam 1/	12.44	12.44	12.44	12.44	12.44	11.33	10.13	10.13	9.62	9.62	8.80	8.80	8.21
Combined Cycle	4.01	4.01	4.01	4.22	4.22	5.58	5.58	7.02	7.02	8.18	8.18	9.51	9.51
Combustion Turbine/ Diesel	3.70	4.05	4.59	4.59	4.59	4.31	4.31	4.31	4.26	4.26	4.26	4.26	4.26
Nuclear Power	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.06	5.06	5.06	5.06	5.06	5.06
Pumped Storage/Other 2/	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
Fuel Cells	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
Renewable Sources 3/	4.60	4.70	4.86	5.25	5.32	5.48	5.62	5.62	5.62	5.62	5.62	5.62	5.62
Total	34.82	35.27	35.97	36.57	36.65	36.76	35.71	37.17	36.60	37.75	36.93	38.27	37.68
Northeast Power Coordinating Council/ New England													
Coal Steam	2.95	2.95	2.95	2.95	2.95	2.95	2.93	2.93	2.93	2.93	2.93	2.93	2.93
Other Fossil Steam 1/	7.83	7.82	7.82	7.82	7.82	7.82	6.75	5.80	4.66	4.66	4.18	4.18	4.18
Combined Cycle	5.47	6.95	9.00	9.21	9.21	9.21	9.21	9.21	9.21	10.54	10.39	11.27	11.27
Combustion Turbine/ Diesel	2.02	1.98	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
Nuclear Power	4.35	4.35	4.35	4.35	4.35	4.35	4.35	4.37	4.37	4.37	4.37	4.37	4.37
Pumped Storage/Other 2/	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71
Fuel Cells	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
Renewable Sources 3/	2.79	2.80	2.81	2.85	2.85	2.85	2.89	2.93	2.96	3.07	3.14	3.24	3.32
Total	27.12	28.55	31.63	31.88	31.88	31.89	30.84	29.95	28.84	30.31	29.74	30.75	30.84
Southeastern Electric Reliability Council/ Florida													
Coal Steam	10.95	10.97	11.49	11.49	10.37	10.37	10.37	10.37	10.37	10.37	10.64	10.92	10.92
Other Fossil Steam 1/	13.30	12.45	11.51	10.78	10.78	10.54	10.22	10.22	10.22	10.22	10.22	10.22	10.22
Combined Cycle	4.87	5.25	7.46	8.73	10.20	10.20	10.20	11.06	11.98	13.09	14.08	15.49	16.48
Combustion Turbine/ Diesel	6.42	7.60	10.22	10.22	10.19	10.19	10.06	9.98	9.95	9.95	9.90	10.06	10.16
Nuclear Power	3.90	3.90	3.91	3.91	3.92	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94
Pumped Storage/Other 2/	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
Fuel Cells	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
Renewable Sources 3/	0.59	0.59	0.59	0.59	0.59	0.59	0.61	0.61	0.61	0.61	0.61	0.61	0.61
Total	40.02	40.75	45.18	45.70	46.05	45.83	45.39	46.17	47.06	48.17	49.38	51.25	52.35
Southeastern Electric Reliability Council/ excluding Florida													
Coal Steam	71.53	71.64	71.52	71.26	71.26	71.27	71.27	71.16	71.16	71.51	72.60	73.94	74.32
Other Fossil Steam 1/	19.01	19.01	18.98	18.78	18.76	13.59	7.19	7.19	7.14	7.14	7.10	7.10	7.10
Combined Cycle	7.41	11.75	21.07	28.31	28.83	28.83	28.83	28.83	28.83	31.35	34.69	38.36	40.10
Combustion Turbine/ Diesel	19.15	23.30	29.14	30.43	30.43	29.85	29.65	28.39	28.39	28.30	28.52	28.86	29.01
Nuclear Power	31.88	32.05	32.08	32.20	32.48	32.84	32.91	33.04	33.04	33.05	33.21	33.21	33.36
Pumped Storage/Other 2/	6.40	6.47	6.81	6.87	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94
Fuel Cells	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
Renewable Sources 3/	11.75	11.76	11.78	11.78	11.78	11.78	11.78	11.78	11.78	11.86	11.89	11.91	12.05
Total	167.13	175.96	191.38	199.64	200.47	195.10	188.57	187.33	187.28	190.15	194.95	200.32	202.88
Southwest Power Pool													
Coal Steam	21.60	21.60	21.60	21.60	21.60	21.60	21.60	21.07	20.59	20.59	20.96	20.96	21.33

Table 75. Electric Generation Capacity by Electricity Market Module Region and Source
(Gigawatts)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Other Fossil Steam 1/	13.36	13.23	13.09	13.01	12.96	11.03	9.08	7.37	5.74	4.45	4.45	4.42	4.40
Combined Cycle	1.95	3.65	9.55	11.08	11.08	11.08	11.08	10.78	10.78	10.78	11.32	11.32	13.05
Combustion Turbine/ Diesel	4.81	5.50	6.72	7.05	7.05	6.65	6.54	6.54	6.54	6.26	7.59	7.19	8.88
Nuclear Power	1.17	1.17	1.17	1.17	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
Pumped Storage/Other 2/	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Fuel Cells	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
Renewable Sources 3/	2.47	2.67	2.68	2.68	2.69	2.69	2.69	2.69	2.69	2.69	2.70	2.70	2.70
Total	45.87	48.31	55.32	57.10	57.06	54.73	52.67	50.12	48.02	46.45	48.70	48.27	52.04
Western Electricity Coordinating Council/													
Northwest Power Pool Area													
Coal Steam	10.99	10.99	10.99	10.99	10.99	10.99	10.99	11.23	11.23	11.23	11.23	11.23	11.23
Other Fossil Steam 1/	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
Combined Cycle	2.08	2.08	3.35	3.89	3.89	4.51	5.59	7.54	8.16	9.23	10.48	12.08	13.07
Combustion Turbine/ Diesel	1.20	1.55	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31	2.31
Nuclear Power	1.11	1.11	1.11	1.11	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Pumped Storage/Other 2/	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
Fuel Cells	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
Renewable Sources 3/	36.20	36.29	36.45	36.78	36.86	37.11	37.34	37.52	37.59	37.71	37.76	37.91	37.96
Total	52.61	53.06	55.24	56.11	56.23	57.12	58.45	60.84	61.56	62.77	64.14	65.95	67.06
Western Electricity Coordinating Council/													
Rocky Mountain Power Area and Arizona-New Mexico-Southern Nevada Power Area													
Coal Steam	15.61	15.61	15.61	15.61	15.61	15.61	15.50	15.50	15.50	16.18	16.18	16.81	16.81
Other Fossil Steam 1/	2.79	2.79	2.79	2.79	2.79	2.76	1.45	0.11	0.02	0.02	0.02	0.02	0.02
Combined Cycle	2.89	4.87	8.47	11.95	13.05	13.05	13.05	13.05	13.05	13.05	13.05	13.05	13.05
Combustion Turbine/ Diesel	3.18	3.78	4.61	4.88	4.88	4.88	4.76	4.70	4.04	4.04	4.04	4.04	4.04
Nuclear Power	2.71	2.71	2.71	2.75	2.75	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78
Pumped Storage/Other 2/	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Fuel Cells	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
Renewable Sources 3/	5.84	6.27	6.27	6.44	6.46	6.50	6.50	6.52	6.52	6.64	6.65	6.78	6.78
Total	33.76	36.78	41.21	45.17	46.28	46.37	44.84	43.43	42.69	43.51	43.53	44.31	44.37
Western Electricity Coordinating Council/													
California													
Coal Steam	5.05	5.05	5.05	5.05	5.05	5.05	5.69	6.41	6.41	6.41	6.41	6.41	6.41
Other Fossil Steam 1/	19.67	19.67	19.67	19.67	19.67	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
Combined Cycle	2.14	4.01	6.23	7.15	7.79	8.67	9.99	13.01	14.58	16.02	17.80	19.93	21.72
Combustion Turbine/ Diesel	4.35	5.89	7.23	7.61	9.65	9.58	9.54	9.62	9.62	9.62	9.62	9.62	9.62
Nuclear Power	5.33	5.33	5.33	5.35	5.35	5.40	5.43	5.43	5.43	5.43	5.43	5.43	5.43
Pumped Storage/Other 2/	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73
Fuel Cells	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
Renewable Sources 3/	15.40	15.50	15.64	15.96	15.86	16.31	16.44	16.63	16.64	16.64	16.65	16.65	16.66
Total	55.68	59.19	62.89	64.52	67.15	67.95	70.04	74.09	75.77	77.30	79.18	81.41	83.29

Table 75. Electric Generation Capacity by Electricity Market Module Region and Source
(Gigawatts)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
East Central Area Reliability Coordination Agreement														
Coal Steam	81.32	81.32	81.32	81.32	81.32	81.32	81.32	81.32	81.32	81.32	81.52	81.52	81.96	-0.1%
Other Fossil Steam 1/	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	-6.3%
Combined Cycle	20.08	20.08	22.43	22.43	25.61	25.61	29.22	29.22	33.21	33.21	37.69	37.69	42.04	10.1%
Combustion Turbine/ Diesel	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.59	20.38	20.81	1.6%
Nuclear Power	5.99	5.99	5.99	5.99	5.99	5.99	5.99	5.99	5.99	5.99	5.99	5.99	5.99	-1.0%
Pumped Storage/Other 2/	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	3.36	N/A
Fuel Cells	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
Renewable Sources 3/	1.98	1.98	2.02	2.02	2.04	2.04	2.10	2.10	2.14	2.14	2.22	2.22	2.26	1.3%
Total	134.03	134.03	136.41	136.41	139.62	139.62	143.29	143.29	147.31	147.31	152.16	151.95	157.21	1.2%
Electric Reliability Council of Texas														
Coal Steam	15.82	16.11	16.11	16.32	16.32	16.32	16.32	16.32	16.32	16.32	16.32	16.32	16.63	0.4%
Other Fossil Steam 1/	15.71	15.71	14.80	14.80	14.80	14.80	14.80	14.58	14.58	14.34	14.34	14.34	13.94	-3.2%
Combined Cycle	27.63	31.02	31.02	32.40	32.40	32.99	32.99	33.17	33.41	33.72	34.92	35.42	36.74	5.1%
Combustion Turbine/ Diesel	12.35	13.00	13.00	13.25	13.25	13.25	13.25	13.25	13.25	13.25	13.25	13.25	13.39	2.8%
Nuclear Power	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	0.2%
Pumped Storage/Other 2/	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
Fuel Cells	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
Renewable Sources 3/	2.71	2.72	2.73	2.74	2.75	2.75	2.76	2.77	2.77	2.77	2.78	2.78	2.78	2.2%
Total	79.76	84.18	83.31	85.23	85.31	85.98	86.05	86.07	86.38	86.50	87.77	88.33	89.74	1.0%
Mid-Atlantic Area Council														
Coal Steam	20.18	20.18	20.18	20.18	20.18	20.59	20.59	20.59	20.59	20.59	20.59	21.23	21.23	0.3%
Other Fossil Steam 1/	8.38	8.38	8.38	8.38	8.38	8.38	8.38	8.38	8.18	8.18	8.18	8.18	8.18	-0.1%
Combined Cycle	12.64	13.38	13.39	14.48	14.51	15.50	15.50	16.65	16.65	18.09	18.09	19.49	19.49	5.2%
Combustion Turbine/ Diesel	11.71	11.71	11.71	11.71	11.71	11.83	11.83	12.06	12.06	12.33	12.33	12.51	12.51	1.0%
Nuclear Power	13.42	13.42	13.42	13.54	13.54	13.54	13.54	13.54	13.54	13.54	13.54	13.54	13.54	0.2%
Pumped Storage/Other 2/	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	N/A
Fuel Cells	0.17	0.18	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	N/A
Renewable Sources 3/	2.15	2.18	2.20	2.23	2.23	2.23	2.23	2.23	2.23	2.27	2.27	2.35	2.35	0.9%
Total	70.49	71.33	71.54	72.93	73.11	74.77	74.81	76.32	76.16	78.03	78.08	80.52	80.57	1.2%
Mid-America Interconnected Network														
Coal Steam	27.68	27.68	27.68	27.68	27.68	27.17	27.17	27.17	26.63	26.63	26.63	26.63	26.63	-0.2%
Other Fossil Steam 1/	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	-2.4%
Combined Cycle	2.45	2.45	2.45	2.45	2.80	3.58	4.19	4.77	5.02	5.79	6.43	7.00	7.49	7.9%
Combustion Turbine/ Diesel	14.22	14.22	14.22	14.22	14.22	14.53	14.77	15.01	16.19	16.38	16.48	16.63	16.76	1.6%
Nuclear Power	13.83	13.83	13.83	13.83	13.83	13.83	13.83	13.83	13.83	13.83	13.83	13.83	13.83	0.2%
Pumped Storage/Other 2/	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	N/A
Fuel Cells	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
Renewable Sources 3/	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	0.8%
Total	62.65	62.69	62.73	62.77	63.25	63.95	64.93	65.88	66.89	67.99	68.87	69.73	70.50	0.7%
Mid-Continent Area Power Pool														
Coal Steam	22.57	23.05	23.79	24.17	24.79	25.35	25.90	26.33	26.83	27.50	28.08	28.66	29.24	1.5%
Other Fossil Steam 1/	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	-2.9%
Combined Cycle	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.2%
Combustion Turbine/ Diesel	7.52	7.52	7.52	7.52	7.52	7.52	7.52	7.52	7.61	7.61	7.59	7.29	7.29	0.4%

Table 75. Electric Generation Capacity by Electricity Market Module Region and Source
(Gigawatts)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Nuclear Power	3.95	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	4.05	0.3%
Pumped Storage/Other 2/	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
Fuel Cells	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
Renewable Sources 3/	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	0.5%
Total	41.33	41.94	42.70	43.12	43.77	44.36	44.95	45.40	46.02	46.72	47.31	47.63	48.24	1.1%
Northeast Power Coordinating Council/ New York														
Coal Steam	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	3.74	0.0%
Other Fossil Steam 1/	8.21	7.63	7.63	7.39	7.39	7.39	7.39	7.39	7.39	7.39	7.39	7.39	7.39	-2.1%
Combined Cycle	10.17	10.17	10.61	10.61	10.75	10.75	12.37	12.80	14.23	14.40	15.94	15.94	15.94	5.9%
Combustion Turbine/ Diesel	4.26	4.26	4.26	3.98	3.98	3.42	2.32	2.13	2.13	2.13	2.13	2.13	2.13	-2.6%
Nuclear Power	5.06	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	-0.9%
Pumped Storage/Other 2/	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	N/A
Fuel Cells	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
Renewable Sources 3/	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	0.7%
Total	38.34	36.78	37.21	36.69	36.84	36.28	36.80	37.04	38.47	38.64	40.19	40.19	40.19	0.5%
Northeast Power Coordinating Council/ New England														
Coal Steam	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	0.0%
Other Fossil Steam 1/	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.18	4.01	4.01	4.01	4.01	-2.7%
Combined Cycle	11.42	11.42	11.42	11.42	11.42	11.42	11.42	11.42	11.64	12.12	12.60	12.97	13.63	2.8%
Combustion Turbine/ Diesel	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	1.7%
Nuclear Power	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	4.37	0.0%
Pumped Storage/Other 2/	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	N/A
Fuel Cells	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	7.8%
Renewable Sources 3/	3.40	3.49	3.57	3.66	3.81	3.84	3.93	4.03	4.03	4.05	4.05	4.05	4.05	1.6%
Total	31.07	31.16	31.26	31.36	31.52	31.55	31.65	31.74	31.97	32.31	32.80	33.18	33.84	0.7%
Southeastern Electric Reliability Council/ Florida														
Coal Steam	10.92	10.92	11.26	11.52	11.80	12.20	12.46	12.46	12.46	12.70	13.06	13.35	13.77	1.0%
Other Fossil Steam 1/	10.22	10.22	10.22	10.22	9.71	9.71	9.71	9.71	9.71	9.71	9.71	9.71	9.71	-1.0%
Combined Cycle	17.78	19.04	20.10	20.91	21.82	22.94	23.87	24.77	25.91	26.79	27.73	28.31	29.04	7.4%
Combustion Turbine/ Diesel	10.16	10.16	10.24	10.24	10.44	10.74	10.98	11.17	11.47	11.77	11.96	12.12	12.36	2.0%
Nuclear Power	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	0.0%
Pumped Storage/Other 2/	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
Fuel Cells	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
Renewable Sources 3/	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.65	0.69	0.75	1.0%
Total	53.67	54.95	56.46	57.55	58.46	60.34	61.84	63.00	64.46	65.95	67.57	68.71	70.23	2.3%
Southeastern Electric Reliability Council/ excluding Florida														
Coal Steam	75.80	76.71	80.55	82.70	85.54	87.98	90.47	92.57	93.78	97.47	100.30	103.12	106.74	1.7%
Other Fossil Steam 1/	7.10	6.79	6.79	6.79	6.71	6.71	6.61	6.61	6.61	6.61	6.61	6.61	6.61	-4.3%
Combined Cycle	43.02	45.65	46.20	46.46	47.16	47.85	48.59	49.24	51.33	51.53	52.33	52.63	53.02	6.5%
Combustion Turbine/ Diesel	29.19	29.42	29.60	29.69	30.14	30.52	31.30	31.97	32.95	33.87	34.68	34.87	35.38	1.8%
Nuclear Power	33.65	34.00	34.22	34.22	34.22	34.22	34.22	34.22	34.22	34.22	34.22	34.22	34.22	0.3%
Pumped Storage/Other 2/	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	6.94	0.3%
Fuel Cells	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
Renewable Sources 3/	12.11	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.36	12.42	12.48	12.56	0.3%
Total	207.81	211.76	216.56	219.07	222.97	226.48	230.38	233.80	238.08	243.00	247.49	250.86	255.46	1.6%
Southwest Power Pool														
Coal Steam	21.33	22.04	22.04	22.24	22.24	22.24	22.24	22.24	22.16	22.16	22.16	22.25	24.22	0.5%

Table 75. Electric Generation Capacity by Electricity Market Module Region and Source
(Gigawatts)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Other Fossil Steam 1/	4.36	4.36	4.36	4.36	4.36	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	-4.6%
Combined Cycle	13.05	14.86	14.86	14.86	14.86	15.24	15.24	15.47	15.58	15.85	15.85	15.85	16.06	6.4%
Combustion Turbine/ Diesel	8.88	10.54	10.40	10.91	10.91	10.99	10.99	10.99	10.99	10.99	10.99	10.99	11.09	3.0%
Nuclear Power	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	0.0%
Pumped Storage/Other 2/	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	N/A
Fuel Cells	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
Renewable Sources 3/	2.70	2.71	2.71	2.71	2.71	2.72	2.72	2.72	2.72	2.73	2.73	2.73	2.73	0.1%
Total	52.01	56.21	56.07	56.81	56.81	57.21	57.22	57.45	57.49	57.76	57.76	57.85	60.14	0.9%
Western Electricity Coordinating Council/														
Northwest Power Pool Area														
Coal Steam	11.23	11.23	11.50	11.50	11.74	11.78	11.98	11.98	12.27	12.60	12.92	13.13	13.51	0.9%
Other Fossil Steam 1/	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	N/A
Combined Cycle	14.57	15.85	16.14	16.14	16.28	16.28	16.28	16.42	16.74	17.12	17.41	17.62	17.80	9.4%
Combustion Turbine/ Diesel	2.31	2.43	3.36	4.38	5.27	6.27	7.15	8.24	9.29	10.47	11.39	12.26	13.29	9.4%
Nuclear Power	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	0.0%
Pumped Storage/Other 2/	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	N/A
Fuel Cells	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
Renewable Sources 3/	38.19	38.22	38.28	38.39	38.42	38.50	38.64	38.87	38.94	39.00	39.04	39.21	39.35	0.3%
Total	68.86	70.50	72.28	73.63	75.15	76.50	77.94	79.63	81.59	83.79	85.63	87.36	89.34	2.2%
Western Electricity Coordinating Council/														
Rocky Mountain Power Area and Arizona-New Mexico-Southern Nevada Power Area														
Coal Steam	18.02	18.21	19.83	19.83	21.00	21.00	22.13	22.13	22.67	22.67	23.95	23.95	25.22	2.0%
Other Fossil Steam 1/	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	0.00	N/A
Combined Cycle	13.05	13.05	13.05	13.05	13.05	13.05	13.05	13.05	13.24	13.24	13.46	13.46	13.94	4.5%
Combustion Turbine/ Diesel	4.04	4.04	4.15	4.15	4.66	4.66	5.25	5.25	6.64	6.64	7.83	7.72	8.21	3.3%
Nuclear Power	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	0.1%
Pumped Storage/Other 2/	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	N/A
Fuel Cells	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
Renewable Sources 3/	6.97	6.98	7.21	7.22	7.37	7.37	7.52	7.52	7.66	7.67	7.83	7.84	7.95	1.0%
Total	45.83	46.07	48.10	48.16	50.16	50.21	52.26	52.32	54.78	54.84	57.89	57.77	60.30	2.1%
Western Electricity Coordinating Council/														
California														
Coal Steam	6.41	6.76	7.19	7.44	7.74	8.03	8.30	8.58	8.88	9.20	9.48	9.73	9.97	2.9%
Other Fossil Steam 1/	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	-0.1%
Combined Cycle	24.26	24.52	24.98	26.24	28.13	29.18	29.70	30.22	30.87	31.43	32.04	33.21	34.06	9.3%
Combustion Turbine/ Diesel	9.62	11.19	12.97	13.76	13.95	14.54	15.61	16.84	18.17	19.71	21.06	21.71	22.87	5.8%
Nuclear Power	5.43	5.43	5.43	5.43	5.43	5.43	5.43	5.43	5.43	5.43	5.43	5.43	5.43	0.1%
Pumped Storage/Other 2/	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	N/A
Fuel Cells	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
Renewable Sources 3/	16.66	16.83	16.97	17.12	17.20	17.30	17.47	17.64	17.78	17.92	18.06	18.20	18.29	0.7%
Total	85.92	88.59	91.71	94.49	97.29	99.65	102.01	104.54	107.30	110.24	112.99	115.56	118.30	2.9%

Table 75. Electric Generation Capacity by Electricity Market Module Region and Source
(Gigawatts)

1/ Includes oil-, gas-, and dual-fired capacity.
2/ Other includes methane, propane, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.
3/ Renewable sources include conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Values represent net summer capacity for utilities and nonutilities (excluding combined heat and power). Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load as demonstrated by tests during summer peak load.
Sources: 2001 utility: Energy Information Administration (EIA), Form EIA-860, "Annual Electric Generator Report ." Other 2001 and projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 76. Renewable Energy Generation by Fuel
East Central Area Reliability Coordination Agreement

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric Power Sector 1/													
Generating Capacity (gigawatts)													
Conventional Hydropower	1.26	1.30	1.30	1.34	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36
Geothermal 2/	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
Municipal Solid Waste 3/	0.10	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Wood and Other Biomass 4/	0.15	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.00	0.00	0.07	0.12	0.12	0.15	0.15	0.15	0.15	0.22	0.22	0.25	0.25
Total	1.51	1.66	1.74	1.83	1.85	1.87	1.87	1.87	1.87	1.95	1.95	1.98	1.98
Electricity Generation (billion kilowatthours)													
Conventional Hydropower	3.40	3.78	2.59	3.07	3.17	3.18	3.18	3.18	3.18	3.17	3.17	3.17	3.17
Geothermal 2/	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
Municipal Solid Waste 3/	0.83	0.84	1.04	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Wood and Other Biomass 4/	1.27	1.44	2.03	1.81	1.92	3.49	3.66	2.68	2.69	2.85	3.58	3.57	3.52
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.00	0.00	0.16	0.33	0.37	0.44	0.44	0.44	0.44	0.67	0.67	0.78	0.78
Total	5.51	6.06	5.82	6.28	6.53	8.19	8.36	7.37	7.38	7.77	8.49	8.59	8.54
Energy Consumption (quadrillion Btu)													
Conventional Hydropower	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Geothermal 2/	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
Municipal Solid Waste 3/	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
Wood and Other Biomass 4/	0.02	0.02	0.03	0.02	0.03	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.04
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
Total	0.06	0.07	0.07	0.07	0.08	0.09	0.09	0.08	0.08	0.09	0.10	0.10	0.10
Combined Heat and Power 6/													
Generating Capacity (gigawatts)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	0.12	0.12	0.12	0.13	0.14	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.18
Total	0.13	0.13	0.13	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.17	0.18	0.19
Electricity Generation (billion kilowatthours)													
Municipal Solid Waste	0.37	0.37	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
Wood and Other Biomass 4/	4.30	4.29	4.30	4.50	4.66	4.78	4.87	5.01	5.15	5.34	5.58	5.79	5.97
Total	4.67	4.66	4.62	4.82	4.98	5.10	5.20	5.33	5.47	5.67	5.90	6.11	6.29

Table 76. Renewable Energy Generation by Fuel
East Central Area Reliability Coordination Agreement

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption (quadrillion Btu)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08
Total	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08
Other End-Use Generators 7/													
Generating Capacity (gigawatts)													
Conventional Hydropower 8/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Geothermal 2/	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
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Total	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04
Electricity Generation (billion kilowatthours)													
Conventional Hydropower 8/	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
Geothermal 2/	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
Solar Photovoltaic	0.00	0.00	0.01	0.02	0.03	0.03	0.05	0.06	0.08	0.10	0.12	0.12	0.13
Total	0.64	0.64	0.65	0.65	0.66	0.67	0.68	0.69	0.71	0.73	0.76	0.76	0.76
Energy Consumption (quadrillion Btu)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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

Table 76. Renewable Energy Generation by Fuel
East Central Area Reliability Coordination Agreement

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electric Power Sector 1/														
Generating Capacity (gigawatts)														
Conventional Hydropower	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	0.2%
Geothermal 2/	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
Municipal Solid Waste 3/	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.3%
Wood and Other Biomass 4/	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.28	0.8%
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.25	0.25	0.29	0.29	0.31	0.31	0.37	0.37	0.41	0.41	0.49	0.49	0.49	22.3%
Total	1.98	1.98	2.02	2.02	2.04	2.04	2.10	2.10	2.14	2.14	2.22	2.22	2.26	1.3%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower	3.17	3.17	3.17	3.17	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	-0.7%
Geothermal 2/	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
Municipal Solid Waste 3/	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.0%
Wood and Other Biomass 4/	3.56	3.62	3.82	3.82	3.77	3.78	3.77	3.69	3.69	3.68	3.69	3.68	3.74	4.0%
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.78	0.78	0.91	0.91	0.98	0.98	1.17	1.17	1.32	1.32	1.57	1.57	1.57	N/A
Total	8.59	8.64	8.97	8.96	8.98	8.99	9.18	9.09	9.24	9.23	9.49	9.49	9.54	1.9%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-0.7%
Geothermal 2/	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
Municipal Solid Waste 3/	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	0.6%
Wood and Other Biomass 4/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	3.6%
Solar Thermal	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
Solar Photovoltaic 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
Wind	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	N/A
Total	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	1.8%
Combined Heat and Power 6/														
Generating Capacity (gigawatts)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	2.9%
Total	0.19	0.20	0.20	0.21	0.21	0.21	0.22	0.23	0.23	0.24	0.24	0.25	0.25	2.7%
Electricity Generation (billion kilowatthours)														
Municipal Solid Waste	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	-0.6%
Wood and Other Biomass 4/	6.14	6.31	6.46	6.60	6.75	6.91	7.07	7.22	7.37	7.54	7.71	7.89	8.06	2.7%
Total	6.46	6.64	6.79	6.92	7.07	7.23	7.39	7.54	7.69	7.86	8.03	8.21	8.38	2.5%

Table 76. Renewable Energy Generation by Fuel
East Central Area Reliability Coordination Agreement

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption (quadrillion Btu)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	2.6%
Total	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	2.4%
Other End-Use Generators 7/														
Generating Capacity (gigawatts)														
Conventional Hydropower 8/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	16.5%
Total	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	2.5%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower 8/	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.13	0.13	0.14	0.15	0.16	0.17	0.18	0.20	0.22	0.24	0.26	0.28	0.30	22.1%
Total	0.77	0.77	0.78	0.79	0.80	0.81	0.81	0.83	0.85	0.87	0.89	0.91	0.93	1.6%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	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
Total	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	0.0%

Table 76. Renewable Energy Generation by Fuel
East Central Area Reliability Coordination Agreement

1/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
2/ Includes hydrothermal resources only (hot water and steam).
3/ Includes landfill gas.
4/ Includes projections for energy crops after 2010.
5/ Does not include off-grid photovoltaics (PV). EIA estimates that another 76 megawatts of remote electricity generation PV applications were in service in 1999, plus an additional 205 megawatts in communications, transportation, and assorted other non-grid-connected applications.
6/ Combined heat and power produces electricity and other useful thermal energy.
7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.
8/ Represents own-use industrial hydroelectric power.
Note: Totals may not equal sum of components due to independent rounding. Net summer capacity has been estimated for nonutility generators for AEO99. Net summer capacity is used to be consistent with electric utility capacity estimates. Data for electric utility capacity data are the most recently available data as of August 31, 1997. Additional retirements are also determined on the basis of the size and age of the units. Therefore, capacity estimates may differ from other Energy Information Administration sources.
Sources: 2000 and 2001 generation: EIA, Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 77. Renewable Energy Generation by Fuel
Electric Reliability Council of Texas

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric Power Sector 1/													
Generating Capacity (gigawatts)													
Conventional Hydropower	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
Geothermal 2/	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
Municipal Solid Waste 3/	0.01	0.02	0.06	0.09	0.09	0.10	0.11	0.11	0.12	0.12	0.13	0.14	0.14
Wood and Other Biomass 4/	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
Solar Thermal	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
Solar Photovoltaic 5/	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
Wind	0.23	1.12	1.31	1.69	1.69	1.81	1.86	1.92	1.98	2.03	2.03	2.03	2.03
Total	0.77	1.66	1.89	2.31	2.31	2.43	2.50	2.56	2.62	2.68	2.69	2.70	2.71
Electricity Generation (billion kilowatthours)													
Conventional Hydropower	0.66	0.89	0.63	0.72	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Geothermal 2/	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
Municipal Solid Waste 3/	0.16	0.16	0.31	0.63	0.72	0.76	0.80	0.85	0.89	0.93	0.97	1.02	1.06
Wood and Other Biomass 4/	0.24	0.41	0.40	0.24	0.24	0.25	0.50	0.51	0.51	0.53	0.53	0.53	0.53
Solar Thermal	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
Solar Photovoltaic 5/	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
Wind	0.49	0.47	3.34	4.27	4.53	4.77	4.97	5.13	5.29	5.45	5.49	5.49	5.49
Total	1.55	1.93	4.68	5.87	6.23	6.52	7.01	7.23	7.44	7.66	7.74	7.79	7.83
Energy Consumption (quadrillion Btu)													
Conventional Hydropower	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
Geothermal 2/	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
Municipal Solid Waste 3/	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
Wood and Other Biomass 4/	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
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.01	0.00	0.03	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06
Total	0.01	0.02	0.05	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08
Combined Heat and Power 6/													
Generating Capacity (gigawatts)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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	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 Generation (billion kilowatthours)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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	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

Table 77. Renewable Energy Generation by Fuel
Electric Reliability Council of Texas

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption (quadrillion Btu)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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	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 End-Use Generators 7/													
Generating Capacity (gigawatts)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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 Generation (billion kilowatthours)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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
Energy Consumption (quadrillion Btu)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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

Table 77. Renewable Energy Generation by Fuel
Electric Reliability Council of Texas

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electric Power Sector 1/														
Generating Capacity (gigawatts)														
Conventional Hydropower	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	N/A
Geothermal 2/	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
Municipal Solid Waste 3/	0.15	0.16	0.16	0.17	0.17	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	9.5%
Wood and Other Biomass 4/	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
Solar Thermal	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
Solar Photovoltaic 5/	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	14.7%
Wind	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.5%
Total	2.71	2.72	2.73	2.74	2.75	2.75	2.76	2.77	2.77	2.77	2.78	2.78	2.78	2.2%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	-0.8%
Geothermal 2/	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
Municipal Solid Waste 3/	1.10	1.15	1.19	1.23	1.27	1.32	1.36	1.40	1.41	1.41	1.41	1.41	1.41	9.5%
Wood and Other Biomass 4/	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	1.1%
Solar Thermal	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
Solar Photovoltaic 5/	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	N/A
Wind	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	5.49	10.8%
Total	7.88	7.93	7.97	8.02	8.07	8.11	8.16	8.21	8.22	8.23	8.24	8.24	8.25	6.2%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower	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	-0.8%
Geothermal 2/	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
Municipal Solid Waste 3/	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	14.1%
Wood and Other Biomass 4/	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	4.5%
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	10.8%
Total	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	7.3%
Combined Heat and Power 6/														
Generating Capacity (gigawatts)														
Municipal Solid Waste	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
Wood and Other Biomass 4/	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
Total	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 Generation (billion kilowatthours)														
Municipal Solid Waste	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
Wood and Other Biomass 4/	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
Total	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

Table 77. Renewable Energy Generation by Fuel
Electric Reliability Council of Texas

Energy Consumption														
(quadrillion Btu)														
Municipal Solid Waste	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
Wood and Other Biomass 4/	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
Total	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 End-Use Generators 7/														
Generating Capacity														
(gigawatts)														
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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
Total	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 Generation														
(billion kilowatthours)														
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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
Total	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
Energy Consumption														
(quadrillion Btu)														
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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
Total	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

Table 77. Renewable Energy Generation by Fuel
Electric Reliability Council of Texas

1/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
2/ Includes hydrothermal resources only (hot water and steam).
3/ Includes landfill gas.
4/ Includes projections for energy crops after 2010.
5/ Does not include off-grid photovoltaics (PV). EIA estimates that another 76 megawatts of remote electricity generation PV applications were in service in 1999, plus an additional 205 megawatts in communications, transportation, and assorted other non-grid-connected applications.
6/ Combined heat and power produces electricity and other useful thermal energy.
7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.
8/ Represents own-use industrial hydroelectric power.
Note: Totals may not equal sum of components due to independent rounding. Net summer capacity has been estimated for nonutility generators for AEO99. Net summer capacity is used to be consistent with electric utility capacity estimates. Data for electric utility capacity data are the most recently available data as of August 31, 1997. Additional retirements are also determined on the basis of the size and age of the units. Therefore, capacity estimates may differ from other Energy Information Administration sources.
Sources: 2000 and 2001 generation: EIA, Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 78. Renewable Energy Generation by Fuel
Mid-Atlantic Area Council

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric Power Sector 1/													
Generating Capacity (gigawatts)													
Conventional Hydropower	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19
Geothermal 2/	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
Municipal Solid Waste 3/	0.61	0.63	0.63	0.63	0.63	0.64	0.66	0.67	0.68	0.69	0.70	0.71	0.72
Wood and Other Biomass 4/	0.03	0.03	0.03	0.03	0.03	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.01	0.03	0.03	0.03	0.03	0.05	0.06	0.08	0.09	0.10	0.11	0.12	0.13
Total	1.84	1.88	1.89	1.89	1.89	1.92	1.96	1.99	2.02	2.04	2.07	2.10	2.12
Electricity Generation (billion kilowatthours)													
Conventional Hydropower	3.75	2.67	3.89	4.45	4.53	4.53	4.53	4.52	4.52	4.52	4.52	4.52	4.51
Geothermal 2/	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
Municipal Solid Waste 3/	2.98	2.98	3.51	3.52	3.52	3.58	3.66	3.74	3.82	3.90	3.98	4.06	4.14
Wood and Other Biomass 4/	0.24	0.41	0.41	0.40	1.00	1.75	1.98	2.27	2.66	2.76	2.81	3.27	3.29
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.01	0.01	0.05	0.05	0.05	0.08	0.12	0.16	0.21	0.24	0.27	0.30	0.33
Total	6.98	6.07	7.87	8.42	9.10	9.94	10.29	10.70	11.20	11.41	11.57	12.14	12.27
Energy Consumption (quadrillion Btu)													
Conventional Hydropower	0.04	0.03	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Geothermal 2/	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
Municipal Solid Waste 3/	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07
Wood and Other Biomass 4/	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04
Solar Thermal	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
Solar Photovoltaic 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
Wind	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	0.09	0.08	0.11	0.11	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.15	0.16
Combined Heat and Power 6/													
Generating Capacity (gigawatts)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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	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 Generation (billion kilowatthours)													
Municipal Solid Waste	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Wood and Other Biomass 4/	1.19	1.19	1.19	1.25	1.29	1.33	1.35	1.39	1.43	1.48	1.55	1.61	1.66
Total	1.30	1.30	1.28	1.34	1.38	1.42	1.44	1.48	1.52	1.57	1.64	1.70	1.75

Table 78. Renewable Energy Generation by Fuel
Mid-Atlantic Area Council

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption (quadrillion Btu)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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
Total	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
Other End-Use Generators 7/													
Generating Capacity (gigawatts)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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 Generation (billion kilowatthours)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.04
Total	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.20	0.20	0.21	0.21	0.21
Energy Consumption (quadrillion Btu)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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

Table 78. Renewable Energy Generation by Fuel
Mid-Atlantic Area Council

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electric Power Sector 1/														
Generating Capacity (gigawatts)														
Conventional Hydropower	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	N/A
Geothermal 2/	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
Municipal Solid Waste 3/	0.74	0.75	0.76	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.9%
Wood and Other Biomass 4/	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.14	0.14	0.21	0.21	8.5%
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.14	0.15	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	7.0%
Total	2.15	2.18	2.20	2.23	2.23	2.23	2.23	2.23	2.23	2.27	2.27	2.35	2.35	0.9%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower	4.51	4.51	4.51	4.51	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	2.2%
Geothermal 2/	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
Municipal Solid Waste 3/	4.21	4.29	4.37	4.45	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	1.7%
Wood and Other Biomass 4/	3.46	3.38	3.38	3.20	3.18	3.06	3.07	3.06	3.08	3.15	3.21	3.55	3.62	9.5%
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.36	0.39	0.42	0.45	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	17.3%
Total	12.54	12.57	12.68	12.61	12.61	12.49	12.50	12.49	12.51	12.58	12.64	12.98	13.05	3.2%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower	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	2.2%
Geothermal 2/	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
Municipal Solid Waste 3/	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	1.6%
Wood and Other Biomass 4/	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	11.5%
Solar Thermal	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
Solar Photovoltaic 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
Wind	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	17.3%
Total	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	2.9%
Combined Heat and Power 6/														
Generating Capacity (gigawatts)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	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	2.9%
Total	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	2.7%
Electricity Generation (billion kilowatthours)														
Municipal Solid Waste	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	-0.6%
Wood and Other Biomass 4/	1.70	1.75	1.79	1.83	1.87	1.92	1.96	2.01	2.05	2.09	2.14	2.19	2.24	2.7%
Total	1.79	1.84	1.88	1.92	1.96	2.01	2.05	2.10	2.14	2.18	2.23	2.28	2.33	2.5%

Table 78. Renewable Energy Generation by Fuel
Mid-Atlantic Area Council

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption (quadrillion Btu)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	2.6%
Total	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	2.4%
Other End-Use Generators 7/														
Generating Capacity (gigawatts)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	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	16.5%
Total	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	2.5%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	22.1%
Total	0.21	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.26	1.6%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	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
Total	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	0.0%

Table 78. Renewable Energy Generation by Fuel
Mid-Atlantic Area Council

1/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
2/ Includes hydrothermal resources only (hot water and steam).
3/ Includes landfill gas.
4/ Includes projections for energy crops after 2010.
5/ Does not include off-grid photovoltaics (PV). EIA estimates that another 76 megawatts of remote electricity generation PV applications were in service in 1999, plus an additional 205 megawatts in communications, transportation, and assorted other non-grid-connected applications.
6/ Combined heat and power produces electricity and other useful thermal energy.
7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.
8/ Represents own-use industrial hydroelectric power.
Note: Totals may not equal sum of components due to independent rounding. Net summer capacity has been estimated for nonutility generators for AEO99. Net summer capacity is used to be consistent with electric utility capacity estimates. Data for electric utility capacity data are the most recently available data as of August 31, 1997. Additional retirements are also determined on the basis of the size and age of the units. Therefore, capacity estimates may differ from other Energy Information Administration sources.
Sources: 2000 and 2001 generation: EIA, Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 79. Renewable Energy Generation by Fuel
Mid-America Interconnected Network

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric Power Sector 1/													
Generating Capacity (gigawatts)													
Conventional Hydropower	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
Geothermal 2/	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
Municipal Solid Waste 3/	0.22	0.29	0.31	0.32	0.32	0.37	0.37	0.37	0.38	0.39	0.40	0.41	0.41
Wood and Other Biomass 4/	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
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.02	0.05	0.05	0.10	0.10	0.10	0.10	0.10	0.11	0.12	0.13	0.14	0.14
Total	0.92	1.03	1.05	1.12	1.12	1.18	1.18	1.18	1.19	1.21	1.22	1.24	1.24
Electricity Generation (billion kilowatthours)													
Conventional Hydropower	2.64	2.89	2.11	2.41	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
Geothermal 2/	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
Municipal Solid Waste 3/	1.01	0.72	2.00	2.06	2.07	2.52	2.52	2.52	2.56	2.63	2.68	2.74	2.75
Wood and Other Biomass 4/	0.34	0.53	0.46	0.34	0.36	0.60	0.68	0.75	0.82	0.93	0.92	0.96	0.96
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.00	0.04	0.15	0.26	0.29	0.29	0.29	0.29	0.31	0.33	0.36	0.38	0.39
Total	3.99	4.19	4.73	5.08	5.18	5.86	5.95	6.01	6.14	6.34	6.41	6.52	6.54
Energy Consumption (quadrillion Btu)													
Conventional Hydropower	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Geothermal 2/	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
Municipal Solid Waste 3/	0.02	0.01	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04
Wood and Other Biomass 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Solar Thermal	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
Solar Photovoltaic 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
Wind	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	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08
Combined Heat and Power 6/													
Generating Capacity (gigawatts)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	0.20	0.20	0.20	0.21	0.22	0.23	0.23	0.24	0.25	0.26	0.27	0.28	0.29
Total	0.21	0.21	0.21	0.22	0.23	0.24	0.24	0.25	0.26	0.27	0.28	0.29	0.30
Electricity Generation (billion kilowatthours)													
Municipal Solid Waste	0.11	0.11	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Wood and Other Biomass 4/	1.24	1.24	1.24	1.29	1.34	1.37	1.40	1.44	1.48	1.54	1.60	1.67	1.72
Total	1.34	1.34	1.33	1.39	1.43	1.47	1.49	1.53	1.57	1.63	1.70	1.76	1.81

Table 79. Renewable Energy Generation by Fuel
Mid-America Interconnected Network

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption (quadrillion Btu)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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
Total	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
Other End-Use Generators 7/													
Generating Capacity (gigawatts)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Total	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07
Electricity Generation (billion kilowatthours)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.04
Total	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.21	0.22	0.22	0.22
Energy Consumption (quadrillion Btu)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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

Table 79. Renewable Energy Generation by Fuel
Mid-America Interconnected Network

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electric Power Sector 1/														
Generating Capacity (gigawatts)														
Conventional Hydropower	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	N/A
Geothermal 2/	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
Municipal Solid Waste 3/	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	1.4%
Wood and Other Biomass 4/	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	N/A
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	4.0%
Total	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	0.8%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower	2.45	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	-0.7%
Geothermal 2/	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
Municipal Solid Waste 3/	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.76	5.8%
Wood and Other Biomass 4/	0.97	0.97	0.95	0.95	0.94	0.94	0.93	0.86	0.84	0.82	0.81	0.78	0.73	1.4%
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	9.5%
Total	6.55	6.55	6.53	6.53	6.51	6.51	6.50	6.44	6.42	6.39	6.38	6.36	6.32	1.7%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-0.7%
Geothermal 2/	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
Municipal Solid Waste 3/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	5.1%
Wood and Other Biomass 4/	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	5.7%
Solar Thermal	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
Solar Photovoltaic 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
Wind	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	9.5%
Total	0.08	0.08	0.07	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	2.2%
Combined Heat and Power 6/														
Generating Capacity (gigawatts)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	0.30	0.31	0.31	0.32	0.33	0.34	0.35	0.35	0.36	0.37	0.38	0.39	0.40	2.9%
Total	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.37	0.37	0.38	0.39	0.40	0.41	2.7%
Electricity Generation (billion kilowatthours)														
Municipal Solid Waste	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	-0.6%
Wood and Other Biomass 4/	1.77	1.82	1.86	1.90	1.94	1.99	2.03	2.08	2.12	2.17	2.22	2.27	2.32	2.7%
Total	1.86	1.91	1.95	1.99	2.03	2.08	2.13	2.17	2.21	2.26	2.31	2.36	2.41	2.5%

Table 79. Renewable Energy Generation by Fuel
Mid-America Interconnected Network

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption (quadrillion Btu)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	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	2.6%
Total	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	2.4%
Other End-Use Generators 7/														
Generating Capacity (gigawatts)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	16.5%
Total	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	2.5%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.09	22.1%
Total	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.24	0.25	0.25	0.26	0.26	0.27	1.6%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	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
Total	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	0.0%

Table 79. Renewable Energy Generation by Fuel
Mid-America Interconnected Network

1/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
2/ Includes hydrothermal resources only (hot water and steam).
3/ Includes landfill gas.
4/ Includes projections for energy crops after 2010.
5/ Does not include off-grid photovoltaics (PV). EIA estimates that another 76 megawatts of remote electricity generation PV applications were in service in 1999, plus an additional 205 megawatts in communications, transportation, and assorted other non-grid-connected applications.
6/ Combined heat and power produces electricity and other useful thermal energy.
7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.
8/ Represents own-use industrial hydroelectric power.
Note: Totals may not equal sum of components due to independent rounding. Net summer capacity has been estimated for nonutility generators for AEO99. Net summer capacity is used to be consistent with electric utility capacity estimates. Data for electric utility capacity data are the most recently available data as of August 31, 1997. Additional retirements are also determined on the basis of the size and age of the units. Therefore, capacity estimates may differ from other Energy Information Administration sources.
Sources: 2000 and 2001 generation: EIA, Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 80. Renewable Energy Generation by Fuel
Mid-Continent Area Power Pool

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric Power Sector 1/													
Generating Capacity (gigawatts)													
Conventional Hydropower	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18
Geothermal 2/	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
Municipal Solid Waste 3/	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Wood and Other Biomass 4/	0.12	0.13	0.17	0.17	0.24	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.54	0.66	0.87	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Total	3.95	4.08	4.34	4.51	4.58	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63
Electricity Generation (billion kilowatthours)													
Conventional Hydropower	12.11	8.44	12.94	14.81	15.06	15.05	15.05	15.04	15.04	15.03	15.02	15.02	15.01
Geothermal 2/	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
Municipal Solid Waste 3/	0.70	1.02	0.70	0.71	0.72	0.72	0.72	0.74	0.74	0.74	0.74	0.74	0.74
Wood and Other Biomass 4/	0.54	0.43	1.03	0.91	1.27	1.67	1.75	1.75	1.75	1.76	1.75	1.76	1.76
Solar Thermal	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
Solar Photovoltaic 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
Wind	1.22	1.39	1.82	2.37	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
Total	14.58	11.28	16.49	18.80	19.55	19.94	20.02	20.03	20.03	20.02	20.02	20.02	20.00
Energy Consumption (quadrillion Btu)													
Conventional Hydropower	0.12	0.09	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Geothermal 2/	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
Municipal Solid Waste 3/	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
Wood and Other Biomass 4/	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
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Total	0.15	0.12	0.17	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Combined Heat and Power 6/													
Generating Capacity (gigawatts)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	0.14	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.19	0.20	0.20
Total	0.15	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.20	0.21	0.21
Electricity Generation (billion kilowatthours)													
Municipal Solid Waste	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Wood and Other Biomass 4/	1.31	1.31	1.31	1.37	1.42	1.45	1.48	1.52	1.57	1.63	1.70	1.76	1.82
Total	1.42	1.42	1.41	1.47	1.52	1.55	1.58	1.62	1.67	1.72	1.80	1.86	1.92

Table 80. Renewable Energy Generation by Fuel
Mid-Continent Area Power Pool

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption (quadrillion Btu)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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
Total	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03
Other End-Use Generators 7/													
Generating Capacity (gigawatts)													
Conventional Hydropower 8/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Geothermal 2/	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
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Total	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05
Electricity Generation (billion kilowatthours)													
Conventional Hydropower 8/	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Geothermal 2/	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
Solar Photovoltaic	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.04
Total	0.19	0.19	0.20	0.20	0.20	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.23
Energy Consumption (quadrillion Btu)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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

Table 80. Renewable Energy Generation by Fuel
Mid-Continent Area Power Pool

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electric Power Sector 1/														
Generating Capacity (gigawatts)														
Conventional Hydropower	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	0.0%
Geothermal 2/	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
Municipal Solid Waste 3/	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	0.2%
Wood and Other Biomass 4/	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	3.3%
Solar Thermal	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
Solar Photovoltaic 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
Wind	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.9%
Total	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	4.63	0.5%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower	15.00	15.00	14.99	14.99	14.98	14.97	14.97	14.96	14.96	14.96	14.96	14.96	14.96	2.4%
Geothermal 2/	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
Municipal Solid Waste 3/	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	-1.4%
Wood and Other Biomass 4/	1.76	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.74	1.74	1.74	1.73	6.0%
Solar Thermal	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
Solar Photovoltaic 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
Wind	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.5%
Total	20.00	19.99	19.99	19.98	19.97	19.96	19.96	19.95	19.95	19.94	19.94	19.94	19.93	2.4%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	2.4%
Geothermal 2/	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
Municipal Solid Waste 3/	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	-1.3%
Wood and Other Biomass 4/	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	4.3%
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	2.5%
Total	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	2.3%
Combined Heat and Power 6/														
Generating Capacity (gigawatts)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.27	0.27	0.28	2.9%
Total	0.22	0.22	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.28	0.28	0.29	2.7%
Electricity Generation (billion kilowatthours)														
Municipal Solid Waste	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	-0.6%
Wood and Other Biomass 4/	1.87	1.92	1.97	2.01	2.05	2.10	2.15	2.20	2.24	2.29	2.35	2.40	2.45	2.7%
Total	1.97	2.02	2.07	2.11	2.15	2.20	2.25	2.30	2.34	2.39	2.44	2.50	2.55	2.5%

Table 80. Renewable Energy Generation by Fuel
Mid-Continent Area Power Pool

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption (quadrillion Btu)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	2.6%
Total	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	2.4%
Other End-Use Generators 7/														
Generating Capacity (gigawatts)														
Conventional Hydropower 8/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	16.5%
Total	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.07	2.5%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower 8/	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.07	0.07	0.08	0.08	0.09	22.1%
Total	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.27	0.27	0.28	0.28	1.6%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	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
Total	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	0.0%

Table 80. Renewable Energy Generation by Fuel
Mid-Continent Area Power Pool

1/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
2/ Includes hydrothermal resources only (hot water and steam).
3/ Includes landfill gas.
4/ Includes projections for energy crops after 2010.
5/ Does not include off-grid photovoltaics (PV). EIA estimates that another 76 megawatts of remote electricity generation PV applications were in service in 1999, plus an additional 205 megawatts in communications, transportation, and assorted other non-grid-connected applications.
6/ Combined heat and power produces electricity and other useful thermal energy.
7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.
8/ Represents own-use industrial hydroelectric power.
Note: Totals may not equal sum of components due to independent rounding. Net summer capacity has been estimated for nonutility generators for AEO99. Net summer capacity is used to be consistent with electric utility capacity estimates. Data for electric utility capacity data are the most recently available data as of August 31, 1997. Additional retirements are also determined on the basis of the size and age of the units. Therefore, capacity estimates may differ from other Energy Information Administration sources.
Sources: 2000 and 2001 generation: EIA, Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 81. Renewable Energy Generation by Fuel
Northeast Power Coordinating Council/New York

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric Power Sector 1/													
Generating Capacity (gigawatts)													
Conventional Hydropower	4.26	4.33	4.47	4.54	4.62	4.69	4.83	4.83	4.83	4.83	4.83	4.83	4.83
Geothermal 2/	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
Municipal Solid Waste 3/	0.29	0.28	0.28	0.28	0.28	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Wood and Other Biomass 4/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.02	0.05	0.07	0.38	0.38	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
Total	4.60	4.70	4.86	5.25	5.32	5.48	5.62	5.62	5.62	5.62	5.62	5.62	5.62
Electricity Generation (billion kilowatthours)													
Conventional Hydropower	24.63	22.91	14.81	17.31	17.83	18.04	18.46	18.62	18.62	18.60	18.60	18.59	18.58
Geothermal 2/	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
Municipal Solid Waste 3/	1.55	1.52	1.74	1.74	1.74	2.08	2.08	2.09	2.09	2.09	2.09	2.09	2.09
Wood and Other Biomass 4/	0.59	0.72	0.43	0.55	0.63	0.70	1.00	1.61	1.60	1.56	1.61	1.62	1.67
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.01	0.01	0.15	0.91	1.16	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28
Total	26.77	25.16	17.13	20.52	21.36	22.10	22.83	23.60	23.59	23.54	23.58	23.59	23.63
Energy Consumption (quadrillion Btu)													
Conventional Hydropower	0.25	0.24	0.15	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Geothermal 2/	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
Municipal Solid Waste 3/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Wood and Other Biomass 4/	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
Solar Thermal	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
Solar Photovoltaic 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
Wind	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
Total	0.28	0.26	0.18	0.22	0.23	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.25
Combined Heat and Power 6/													
Generating Capacity (gigawatts)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02
Total	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
Electricity Generation (billion kilowatthours)													
Municipal Solid Waste	0.14	0.14	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Wood and Other Biomass 4/	1.65	1.65	1.65	1.73	1.79	1.84	1.88	1.93	1.98	2.06	2.15	2.23	2.30
Total	1.80	1.80	1.78	1.86	1.92	1.96	2.00	2.05	2.11	2.18	2.27	2.35	2.42

Table 81. Renewable Energy Generation by Fuel
Northeast Power Coordinating Council/New York

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption (quadrillion Btu)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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
Total	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Other End-Use Generators 7/													
Generating Capacity (gigawatts)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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 Generation (billion kilowatthours)													
Conventional Hydropower 8/	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Geothermal 2/	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
Solar Photovoltaic	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.05	0.05
Total	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.29	0.29	0.29
Energy Consumption (quadrillion Btu)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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

Table 81. Renewable Energy Generation by Fuel
Northeast Power Coordinating Council/New York

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electric Power Sector 1/														
Generating Capacity (gigawatts)														
Conventional Hydropower	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	4.83	0.5%
Geothermal 2/	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
Municipal Solid Waste 3/	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.6%
Wood and Other Biomass 4/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	N/A
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	9.5%
Total	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	0.7%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower	18.57	18.57	18.56	18.55	18.54	18.54	18.53	18.52	18.52	18.52	18.52	18.52	18.52	-0.9%
Geothermal 2/	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
Municipal Solid Waste 3/	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	2.09	1.3%
Wood and Other Biomass 4/	1.60	1.66	1.55	1.54	1.47	1.48	1.48	1.48	1.48	1.49	1.48	1.48	1.48	3.1%
Solar Thermal	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
Solar Photovoltaic 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
Wind	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	22.4%
Total	23.55	23.60	23.49	23.47	23.40	23.40	23.39	23.38	23.38	23.38	23.38	23.38	23.38	-0.3%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	-0.9%
Geothermal 2/	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
Municipal Solid Waste 3/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.8%
Wood and Other Biomass 4/	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	7.2%
Solar Thermal	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
Solar Photovoltaic 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
Wind	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	22.4%
Total	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	-0.2%
Combined Heat and Power 6/														
Generating Capacity (gigawatts)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	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	2.9%
Total	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	2.7%
Electricity Generation (billion kilowatthours)														
Municipal Solid Waste	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	-0.6%
Wood and Other Biomass 4/	2.36	2.43	2.49	2.54	2.60	2.66	2.72	2.78	2.84	2.90	2.97	3.04	3.10	2.7%
Total	2.49	2.56	2.61	2.67	2.72	2.78	2.85	2.91	2.96	3.03	3.09	3.16	3.23	2.5%

Table 81. Renewable Energy Generation by Fuel
Northeast Power Coordinating Council/New York

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption (quadrillion Btu)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	2.6%
Total	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	2.4%
Other End-Use Generators 7/														
Generating Capacity (gigawatts)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	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	16.5%
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	2.5%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower 8/	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.10	0.11	0.11	22.1%
Total	0.29	0.30	0.30	0.30	0.31	0.31	0.31	0.32	0.33	0.34	0.34	0.35	0.36	1.6%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	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
Total	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	0.0%

Table 81. Renewable Energy Generation by Fuel
Northeast Power Coordinating Council/New York

1/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
2/ Includes hydrothermal resources only (hot water and steam).
3/ Includes landfill gas.
4/ Includes projections for energy crops after 2010.
5/ Does not include off-grid photovoltaics (PV). EIA estimates that another 76 megawatts of remote electricity generation PV applications were in service in 1999, plus an additional 205 megawatts in communications, transportation, and assorted other non-grid-connected applications.
6/ Combined heat and power produces electricity and other useful thermal energy.
7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.
8/ Represents own-use industrial hydroelectric power.
Note: Totals may not equal sum of components due to independent rounding. Net summer capacity has been estimated for nonutility generators for AEO99. Net summer capacity is used to be consistent with electric utility capacity estimates. Data for electric utility capacity data are the most recently available data as of August 31, 1997. Additional retirements are also determined on the basis of the size and age of the units. Therefore, capacity estimates may differ from other Energy Information Administration sources.
Sources: 2000 and 2001 generation: EIA, Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 82. Renewable Energy Generation by Fuel
Northeast Power Coordinating Council/New England

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric Power Sector 1/													
Generating Capacity (gigawatts)													
Conventional Hydropower	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72
Geothermal 2/	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
Municipal Solid Waste 3/	0.62	0.63	0.63	0.64	0.64	0.64	0.64	0.65	0.66	0.69	0.71	0.73	0.74
Wood and Other Biomass 4/	0.44	0.44	0.44	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.47
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.01	0.01	0.02	0.04	0.04	0.04	0.07	0.10	0.12	0.20	0.26	0.34	0.39
Total	2.79	2.80	2.81	2.85	2.85	2.85	2.89	2.93	2.96	3.07	3.14	3.24	3.32
Electricity Generation (billion kilowatthours)													
Conventional Hydropower	6.33	4.49	4.39	5.03	5.11	5.11	5.11	5.11	5.10	5.10	5.10	5.10	5.10
Geothermal 2/	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
Municipal Solid Waste 3/	4.78	4.38	4.65	4.68	4.69	4.69	4.73	4.79	4.85	5.09	5.19	5.32	5.45
Wood and Other Biomass 4/	2.51	2.73	2.44	2.49	2.51	2.51	2.54	2.55	2.55	2.55	2.55	2.55	2.58
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.01	0.01	0.04	0.11	0.13	0.13	0.20	0.30	0.39	0.67	0.84	1.13	1.34
Total	13.62	11.61	11.52	12.31	12.45	12.44	12.58	12.74	12.89	13.41	13.68	14.10	14.46
Energy Consumption (quadrillion Btu)													
Conventional Hydropower	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Geothermal 2/	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
Municipal Solid Waste 3/	0.07	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08
Wood and Other Biomass 4/	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
Total	0.17	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.17	0.18
Combined Heat and Power 6/													
Generating Capacity (gigawatts)													
Municipal Solid Waste	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Wood and Other Biomass 4/	0.52	0.52	0.52	0.55	0.57	0.58	0.60	0.62	0.64	0.66	0.69	0.72	0.75
Total	0.55	0.55	0.55	0.58	0.60	0.62	0.63	0.65	0.67	0.69	0.73	0.75	0.78
Electricity Generation (billion kilowatthours)													
Municipal Solid Waste	0.72	0.71	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
Wood and Other Biomass 4/	8.27	8.27	8.27	8.67	8.97	9.20	9.39	9.64	9.92	10.29	10.74	11.15	11.50
Total	8.99	8.98	8.89	9.29	9.59	9.82	10.01	10.26	10.54	10.91	11.36	11.77	12.12

Table 82. Renewable Energy Generation by Fuel
Northeast Power Coordinating Council/New England

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption (quadrillion Btu)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.14	0.14	0.15
Total	0.12	0.12	0.12	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.16	0.16
Other End-Use Generators 7/													
Generating Capacity (gigawatts)													
Conventional Hydropower 8/	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Geothermal 2/	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
Solar Photovoltaic	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.05
Total	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.17	0.18
Electricity Generation (billion kilowatthours)													
Conventional Hydropower 8/	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
Geothermal 2/	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
Solar Photovoltaic	0.00	0.00	0.02	0.03	0.05	0.07	0.09	0.11	0.15	0.19	0.24	0.24	0.25
Total	1.22	1.23	1.25	1.26	1.27	1.29	1.31	1.34	1.37	1.41	1.46	1.46	1.47
Energy Consumption (quadrillion Btu)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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

Table 82. Renewable Energy Generation by Fuel
Northeast Power Coordinating Council/New England

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electric Power Sector 1/														
Generating Capacity (gigawatts)														
Conventional Hydropower	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72	0.0%
Geothermal 2/	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
Municipal Solid Waste 3/	0.76	0.78	0.80	0.82	0.84	0.86	0.88	0.90	0.90	0.90	0.90	0.90	0.90	1.5%
Wood and Other Biomass 4/	0.47	0.48	0.48	0.49	0.50	0.50	0.51	0.52	0.52	0.52	0.52	0.52	0.52	0.7%
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.45	0.51	0.57	0.63	0.76	0.76	0.82	0.89	0.89	0.91	0.91	0.91	0.91	19.0%
Total	3.40	3.49	3.57	3.66	3.81	3.84	3.93	4.03	4.03	4.05	4.05	4.05	4.05	1.6%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower	5.09	5.09	5.09	5.09	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	5.08	0.5%
Geothermal 2/	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
Municipal Solid Waste 3/	5.58	5.71	5.84	5.98	6.12	6.27	6.41	6.56	6.60	6.60	6.60	6.60	6.60	1.7%
Wood and Other Biomass 4/	2.62	2.66	2.70	2.74	2.79	2.83	2.88	2.92	2.93	2.93	2.93	2.93	2.93	0.3%
Solar Thermal	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
Solar Photovoltaic 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
Wind	1.54	1.75	1.97	2.19	2.59	2.70	2.88	3.12	3.18	3.25	3.25	3.25	3.25	26.3%
Total	14.83	15.21	15.60	16.00	16.58	16.88	17.25	17.68	17.79	17.87	17.87	17.87	17.87	1.8%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower	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	0.5%
Geothermal 2/	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
Municipal Solid Waste 3/	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	1.7%
Wood and Other Biomass 4/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.8%
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	26.3%
Total	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.22	1.8%
Combined Heat and Power 6/														
Generating Capacity (gigawatts)														
Municipal Solid Waste	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.0%
Wood and Other Biomass 4/	0.77	0.79	0.81	0.83	0.85	0.87	0.89	0.91	0.93	0.96	0.98	1.00	1.03	2.9%
Total	0.80	0.83	0.85	0.86	0.88	0.91	0.93	0.95	0.97	0.99	1.01	1.04	1.06	2.7%
Electricity Generation (billion kilowatthours)														
Municipal Solid Waste	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	-0.6%
Wood and Other Biomass 4/	11.82	12.16	12.45	12.71	12.99	13.30	13.62	13.91	14.19	14.52	14.84	15.19	15.52	2.7%
Total	12.44	12.78	13.07	13.33	13.61	13.92	14.24	14.53	14.81	15.14	15.46	15.81	16.14	2.5%

Table 82. Renewable Energy Generation by Fuel
Northeast Power Coordinating Council/New England

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption (quadrillion Btu)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	0.15	0.16	0.16	0.16	0.17	0.17	0.17	0.18	0.18	0.19	0.19	0.19	0.20	2.6%
Total	0.17	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.20	0.20	0.20	0.21	0.21	2.4%
Other End-Use Generators 7/														
Generating Capacity (gigawatts)														
Conventional Hydropower 8/	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.09	0.09	0.10	0.11	16.5%
Total	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.20	0.21	0.22	0.22	0.23	0.24	2.5%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower 8/	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.25	0.26	0.28	0.29	0.31	0.33	0.35	0.38	0.42	0.46	0.49	0.53	0.57	22.1%
Total	1.47	1.48	1.50	1.52	1.53	1.55	1.57	1.61	1.64	1.68	1.72	1.76	1.79	1.6%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	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
Total	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	0.0%

Table 82. Renewable Energy Generation by Fuel
Northeast Power Coordinating Council/New England

1/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
2/ Includes hydrothermal resources only (hot water and steam).
3/ Includes landfill gas.
4/ Includes projections for energy crops after 2010.
5/ Does not include off-grid photovoltaics (PV). EIA estimates that another 76 megawatts of remote electricity generation PV applications were in service in 1999, plus an additional 205 megawatts in communications, transportation, and assorted other non-grid-connected applications.
6/ Combined heat and power produces electricity and other useful thermal energy.
7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.
8/ Represents own-use industrial hydroelectric power.
Note: Totals may not equal sum of components due to independent rounding. Net summer capacity has been estimated for nonutility generators for AEO99. Net summer capacity is used to be consistent with electric utility capacity estimates. Data for electric utility capacity data are the most recently available data as of August 31, 1997. Additional retirements are also determined on the basis of the size and age of the units. Therefore, capacity estimates may differ from other Energy Information Administration sources.
Sources: 2000 and 2001 generation: EIA, Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 83. Renewable Energy Generation by Fuel
Florida Reliability Coordinating Council

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric Power Sector 1/													
Generating Capacity (gigawatts)													
Conventional Hydropower	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
Geothermal 2/	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
Municipal Solid Waste 3/	0.52	0.52	0.53	0.53	0.53	0.53	0.54	0.54	0.54	0.54	0.54	0.54	0.54
Wood and Other Biomass 4/	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
Solar Thermal	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
Solar Photovoltaic 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
Wind	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	0.59	0.59	0.59	0.59	0.59	0.59	0.61	0.61	0.61	0.61	0.61	0.61	0.61
Electricity Generation (billion kilowatthours)													
Conventional Hydropower	0.09	0.15	0.19	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
Geothermal 2/	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
Municipal Solid Waste 3/	3.20	3.27	3.50	3.50	3.50	3.50	3.64	3.64	3.64	3.64	3.64	3.64	3.64
Wood and Other Biomass 4/	0.40	0.57	0.34	0.65	0.62	0.68	0.69	0.69	0.69	0.69	0.69	0.69	0.69
Solar Thermal	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
Solar Photovoltaic 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
Wind	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	3.68	3.99	4.03	4.37	4.34	4.40	4.55	4.55	4.55	4.55	4.55	4.55	4.55
Energy Consumption (quadrillion Btu)													
Conventional Hydropower	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
Geothermal 2/	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
Municipal Solid Waste 3/	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
Wood and Other Biomass 4/	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
Solar Thermal	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
Solar Photovoltaic 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
Wind	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	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Combined Heat and Power 6/													
Generating Capacity (gigawatts)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	0.26	0.26	0.26	0.28	0.29	0.29	0.30	0.31	0.32	0.33	0.35	0.36	0.38
Total	0.28	0.28	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.37	0.38	0.39
Electricity Generation (billion kilowatthours)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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	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

Table 83. Renewable Energy Generation by Fuel
Florida Reliability Coordinating Council

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption (quadrillion Btu)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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	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 End-Use Generators 7/													
Generating Capacity (gigawatts)													
Conventional Hydropower 8/	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Geothermal 2/	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
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
Total	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09
Electricity Generation (billion kilowatthours)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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
Energy Consumption (quadrillion Btu)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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

Table 83. Renewable Energy Generation by Fuel
Florida Reliability Coordinating Council

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electric Power Sector 1/														
Generating Capacity (gigawatts)														
Conventional Hydropower	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	N/A
Geothermal 2/	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
Municipal Solid Waste 3/	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.2%
Wood and Other Biomass 4/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.10	0.16	10.4%
Solar Thermal	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
Solar Photovoltaic 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
Wind	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
Total	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.65	0.69	0.75	1.0%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	1.7%
Geothermal 2/	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
Municipal Solid Waste 3/	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.64	3.65	0.5%
Wood and Other Biomass 4/	0.69	0.68	0.69	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.88	1.11	1.44	4.0%
Solar Thermal	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
Solar Photovoltaic 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
Wind	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
Total	4.55	4.55	4.55	4.54	4.54	4.54	4.54	4.54	4.54	4.55	4.74	4.97	5.31	1.2%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower	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	1.7%
Geothermal 2/	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
Municipal Solid Waste 3/	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	0.2%
Wood and Other Biomass 4/	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	5.9%
Solar Thermal	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
Solar Photovoltaic 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
Wind	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
Total	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.9%
Combined Heat and Power 6/														
Generating Capacity (gigawatts)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	0.39	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.51	0.52	2.9%
Total	0.40	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.53	2.7%
Electricity Generation (billion kilowatthours)														
Municipal Solid Waste	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
Wood and Other Biomass 4/	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
Total	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

Table 83. Renewable Energy Generation by Fuel
Florida Reliability Coordinating Council

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption (quadrillion Btu)														
Municipal Solid Waste	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
Wood and Other Biomass 4/	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
Total	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 End-Use Generators 7/														
Generating Capacity (gigawatts)														
Conventional Hydropower 8/	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.06	16.5%
Total	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.11	0.11	0.11	0.12	0.12	2.5%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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
Total	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
Energy Consumption (quadrillion Btu)														
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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
Total	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

Table 83. Renewable Energy Generation by Fuel
Florida Reliability Coordinating Council

1/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
2/ Includes hydrothermal resources only (hot water and steam).
3/ Includes landfill gas.
4/ Includes projections for energy crops after 2010.
5/ Does not include off-grid photovoltaics (PV). EIA estimates that another 76 megawatts of remote electricity generation PV applications were in service in 1999, plus an additional 205 megawatts in communications, transportation, and assorted other non-grid-connected applications.
6/ Combined heat and power produces electricity and other useful thermal energy.
7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.
8/ Represents own-use industrial hydroelectric power.
Note: Totals may not equal sum of components due to independent rounding. Net summer capacity has been estimated for nonutility generators for AEO99. Net summer capacity is used to be consistent with electric utility capacity estimates. Data for electric utility capacity data are the most recently available data as of August 31, 1997. Additional retirements are also determined on the basis of the size and age of the units. Therefore, capacity estimates may differ from other Energy Information Administration sources.
Sources: 2000 and 2001 generation: EIA, Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 84. Renewable Energy Generation by Fuel
Southeastern Electric Reliability Council

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric Power Sector 1/													
Generating Capacity (gigawatts)													
Conventional Hydropower	11.24	11.24	11.24	11.24	11.24	11.24	11.24	11.24	11.24	11.24	11.24	11.24	11.24
Geothermal 2/	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
Municipal Solid Waste 3/	0.18	0.19	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.24	0.24	0.24	0.24
Wood and Other Biomass 4/	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.08	0.10	0.24
Total	11.75	11.76	11.78	11.78	11.78	11.78	11.78	11.78	11.78	11.86	11.89	11.91	12.05
Electricity Generation (billion kilowatthours)													
Conventional Hydropower	19.45	25.89	28.65	32.77	33.33	33.32	33.30	33.29	33.28	33.26	33.25	33.23	33.22
Geothermal 2/	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
Municipal Solid Waste 3/	0.47	0.46	1.37	1.42	1.42	1.42	1.42	1.42	1.42	1.64	1.64	1.64	1.64
Wood and Other Biomass 4/	0.94	1.11	1.84	2.54	3.05	3.38	3.48	3.37	3.46	3.50	3.47	3.43	3.45
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.20	0.29	0.36	0.82
Total	20.86	27.45	31.86	36.74	37.81	38.13	38.21	38.09	38.16	38.60	38.65	38.67	39.13
Energy Consumption (quadrillion Btu)													
Conventional Hydropower	0.20	0.27	0.29	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
Geothermal 2/	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
Municipal Solid Waste 3/	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Wood and Other Biomass 4/	0.01	0.02	0.03	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Solar Thermal	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
Solar Photovoltaic 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
Wind	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	0.22	0.29	0.35	0.40	0.41	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.42
Combined Heat and Power 6/													
Generating Capacity (gigawatts)													
Municipal Solid Waste	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Wood and Other Biomass 4/	2.20	2.20	2.20	2.32	2.41	2.48	2.53	2.61	2.69	2.80	2.94	3.06	3.16
Total	2.35	2.35	2.35	2.46	2.55	2.62	2.68	2.75	2.83	2.95	3.08	3.20	3.30
Electricity Generation (billion kilowatthours)													
Municipal Solid Waste	0.83	0.82	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
Wood and Other Biomass 4/	9.53	9.53	9.53	9.99	10.34	10.60	10.81	11.11	11.43	11.86	12.38	12.85	13.25
Total	10.36	10.35	10.25	10.70	11.05	11.31	11.53	11.83	12.14	12.57	13.09	13.56	13.97

Table 84. Renewable Energy Generation by Fuel
Southeastern Electric Reliability Council

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption (quadrillion Btu)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	0.12	0.12	0.12	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.16	0.17	0.17
Total	0.14	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.16	0.17	0.18	0.18	0.19
Other End-Use Generators 7/													
Generating Capacity (gigawatts)													
Conventional Hydropower 8/	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
Geothermal 2/	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
Solar Photovoltaic	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.09	0.12	0.15	0.19	0.19	0.20
Total	0.55	0.56	0.57	0.57	0.59	0.60	0.62	0.64	0.67	0.70	0.74	0.74	0.75
Electricity Generation (billion kilowatthours)													
Conventional Hydropower 8/	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41
Geothermal 2/	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
Solar Photovoltaic	0.00	0.01	0.03	0.04	0.06	0.08	0.10	0.13	0.17	0.22	0.27	0.28	0.29
Total	1.41	1.41	1.44	1.45	1.46	1.48	1.51	1.54	1.58	1.62	1.68	1.68	1.69
Energy Consumption (quadrillion Btu)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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

Table 84. Renewable Energy Generation by Fuel
Southeastern Electric Reliability Council

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electric Power Sector 1/														
Generating Capacity (gigawatts)														
Conventional Hydropower	11.24	11.24	11.24	11.24	11.24	11.24	11.24	11.24	11.24	11.24	11.24	11.24	11.24	N/A
Geothermal 2/	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
Municipal Solid Waste 3/	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	1.1%
Wood and Other Biomass 4/	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.42	0.48	0.54	0.62	2.8%
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.30	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	21.9%
Total	12.11	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.26	12.36	12.42	12.48	12.56	0.3%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower	33.21	33.19	33.18	33.16	33.15	33.13	33.12	33.11	33.11	33.11	33.11	33.11	33.11	1.0%
Geothermal 2/	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
Municipal Solid Waste 3/	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.65	5.5%
Wood and Other Biomass 4/	3.44	3.48	3.42	3.42	3.42	3.42	3.42	3.42	3.44	3.83	4.19	4.52	4.95	6.4%
Solar Thermal	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
Solar Photovoltaic 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
Wind	1.02	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	1.53	N/A
Total	39.31	39.84	39.76	39.75	39.74	39.72	39.70	39.70	39.72	40.10	40.46	40.80	41.23	1.7%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	1.0%
Geothermal 2/	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
Municipal Solid Waste 3/	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	6.2%
Wood and Other Biomass 4/	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	5.6%
Solar Thermal	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
Solar Photovoltaic 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
Wind	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	N/A
Total	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44	1.8%
Combined Heat and Power 6/														
Generating Capacity (gigawatts)														
Municipal Solid Waste	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.0%
Wood and Other Biomass 4/	3.26	3.36	3.44	3.52	3.61	3.70	3.79	3.88	3.96	4.06	4.15	4.26	4.36	2.9%
Total	3.40	3.50	3.59	3.66	3.75	3.84	3.93	4.02	4.10	4.20	4.29	4.40	4.50	2.7%
Electricity Generation (billion kilowatthours)														
Municipal Solid Waste	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	-0.6%
Wood and Other Biomass 4/	13.62	14.01	14.34	14.64	14.97	15.32	15.69	16.03	16.35	16.72	17.10	17.50	17.88	2.7%
Total	14.34	14.72	15.06	15.36	15.68	16.04	16.41	16.74	17.06	17.44	17.81	18.21	18.60	2.5%

Table 84. Renewable Energy Generation by Fuel
Southeastern Electric Reliability Council

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption (quadrillion Btu)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	0.18	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.23	2.6%
Total	0.19	0.20	0.20	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.25	2.4%
Other End-Use Generators 7/														
Generating Capacity (gigawatts)														
Conventional Hydropower 8/	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.20	0.21	0.22	0.24	0.25	0.26	0.28	0.31	0.34	0.37	0.40	0.44	0.47	16.5%
Total	0.75	0.75	0.77	0.78	0.80	0.81	0.83	0.86	0.89	0.92	0.95	0.98	1.01	2.5%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower 8/	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.29	0.30	0.32	0.34	0.36	0.38	0.40	0.44	0.48	0.53	0.57	0.62	0.66	22.1%
Total	1.70	1.71	1.73	1.75	1.77	1.79	1.81	1.85	1.89	1.93	1.98	2.02	2.07	1.6%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	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
Total	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	0.0%

Table 84. Renewable Energy Generation by Fuel
Southeastern Electric Reliability Council

1/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
2/ Includes hydrothermal resources only (hot water and steam).
3/ Includes landfill gas.
4/ Includes projections for energy crops after 2010.
5/ Does not include off-grid photovoltaics (PV). EIA estimates that another 76 megawatts of remote electricity generation PV applications were in service in 1999, plus an additional 205 megawatts in communications, transportation, and assorted other non-grid-connected applications.
6/ Combined heat and power produces electricity and other useful thermal energy.
7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.
8/ Represents own-use industrial hydroelectric power.
Note: Totals may not equal sum of components due to independent rounding. Net summer capacity has been estimated for nonutility generators for AEO99. Net summer capacity is used to be consistent with electric utility capacity estimates. Data for electric utility capacity data are the most recently available data as of August 31, 1997. Additional retirements are also determined on the basis of the size and age of the units. Therefore, capacity estimates may differ from other Energy Information Administration sources.
Sources: 2000 and 2001 generation: EIA, Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 85. Renewable Energy Generation by Fuel
Southwest Power Pool

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric Power Sector 1/													
Generating Capacity (gigawatts)													
Conventional Hydropower	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47
Geothermal 2/	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
Municipal Solid Waste 3/	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
Wood and Other Biomass 4/	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
Solar Thermal	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
Solar Photovoltaic 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02
Wind	0.00	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Total	2.47	2.67	2.68	2.68	2.69	2.69	2.69	2.69	2.69	2.69	2.70	2.70	2.70
Electricity Generation (billion kilowatthours)													
Conventional Hydropower	4.62	5.06	4.39	5.02	5.10	5.10	5.10	5.10	5.10	5.09	5.09	5.09	5.09
Geothermal 2/	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
Municipal Solid Waste 3/	0.12	0.12	0.08	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11
Wood and Other Biomass 4/	0.24	0.41	0.44	0.24	0.24	0.31	0.35	0.36	0.36	0.36	0.36	0.36	0.37
Solar Thermal	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
Solar Photovoltaic 5/	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04
Wind	0.00	0.00	0.59	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
Total	4.98	5.58	5.51	5.96	6.05	6.11	6.16	6.16	6.17	6.17	6.19	6.19	6.20
Energy Consumption (quadrillion Btu)													
Conventional Hydropower	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
Geothermal 2/	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
Municipal Solid Waste 3/	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
Wood and Other Biomass 4/	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
Solar Thermal	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
Solar Photovoltaic 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
Wind	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	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Combined Heat and Power 6/													
Generating Capacity (gigawatts)													
Municipal Solid Waste	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Wood and Other Biomass 4/	0.43	0.43	0.43	0.45	0.47	0.48	0.49	0.51	0.52	0.54	0.57	0.59	0.61
Total	0.45	0.45	0.45	0.48	0.49	0.51	0.52	0.53	0.55	0.57	0.60	0.62	0.64
Electricity Generation (billion kilowatthours)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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
Total	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02

Table 85. Renewable Energy Generation by Fuel
Southwest Power Pool

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption (quadrillion Btu)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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	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 End-Use Generators 7/													
Generating Capacity (gigawatts)													
Conventional Hydropower 8/	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Geothermal 2/	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
Solar Photovoltaic	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.04
Total	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.13	0.14	0.14	0.14	0.14
Electricity Generation (billion kilowatthours)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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
Energy Consumption (quadrillion Btu)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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

Table 85. Renewable Energy Generation by Fuel
Southwest Power Pool

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electric Power Sector 1/														
Generating Capacity (gigawatts)														
Conventional Hydropower	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	N/A
Geothermal 2/	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
Municipal Solid Waste 3/	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	N/A
Wood and Other Biomass 4/	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
Solar Thermal	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
Solar Photovoltaic 5/	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	N/A
Wind	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.2%
Total	2.70	2.71	2.71	2.71	2.71	2.72	2.72	2.72	2.72	2.73	2.73	2.73	2.73	0.1%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower	5.09	5.08	5.08	5.08	5.08	5.07	5.07	5.07	5.07	5.07	5.07	5.07	5.07	0.0%
Geothermal 2/	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
Municipal Solid Waste 3/	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	-0.2%
Wood and Other Biomass 4/	0.37	0.37	0.37	0.37	0.37	0.36	0.37	0.37	0.37	0.37	0.37	0.37	0.37	-0.4%
Solar Thermal	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
Solar Photovoltaic 5/	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.09	0.09	0.10	0.10	0.11	0.12	N/A
Wind	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	N/A
Total	6.21	6.21	6.21	6.22	6.22	6.22	6.23	6.24	6.24	6.25	6.26	6.27	6.27	0.5%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower	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	0.0%
Geothermal 2/	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
Municipal Solid Waste 3/	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
Wood and Other Biomass 4/	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	-0.3%
Solar Thermal	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
Solar Photovoltaic 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
Wind	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	N/A
Total	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.6%
Combined Heat and Power 6/														
Generating Capacity (gigawatts)														
Municipal Solid Waste	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.0%
Wood and Other Biomass 4/	0.63	0.65	0.67	0.68	0.70	0.72	0.74	0.75	0.77	0.79	0.81	0.83	0.84	2.9%
Total	0.66	0.68	0.69	0.71	0.73	0.74	0.76	0.78	0.80	0.81	0.83	0.85	0.87	2.7%
Electricity Generation (billion kilowatthours)														
Municipal Solid Waste	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	-0.6%
Wood and Other Biomass 4/	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	2.7%
Total	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	2.5%

Table 85. Renewable Energy Generation by Fuel
Southwest Power Pool

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption (quadrillion Btu)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	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	2.6%
Total	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	2.4%
Other End-Use Generators 7/														
Generating Capacity (gigawatts)														
Conventional Hydropower 8/	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.07	0.07	0.08	0.08	0.09	16.5%
Total	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.20	2.5%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	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	22.1%
Total	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	1.6%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	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
Total	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	0.0%

Table 85. Renewable Energy Generation by Fuel
Southwest Power Pool

1/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
2/ Includes hydrothermal resources only (hot water and steam).
3/ Includes landfill gas.
4/ Includes projections for energy crops after 2010.
5/ Does not include off-grid photovoltaics (PV). EIA estimates that another 76 megawatts of remote electricity generation PV applications were in service in 1999, plus an additional 205 megawatts in communications, transportation, and assorted other non-grid-connected applications.
6/ Combined heat and power produces electricity and other useful thermal energy.
7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.
8/ Represents own-use industrial hydroelectric power.
Note: Totals may not equal sum of components due to independent rounding. Net summer capacity has been estimated for nonutility generators for AEO99. Net summer capacity is used to be consistent with electric utility capacity estimates. Data for electric utility capacity data are the most recently available data as of August 31, 1997. Additional retirements are also determined on the basis of the size and age of the units. Therefore, capacity estimates may differ from other Energy Information Administration sources.
Sources: 2000 and 2001 generation: EIA, Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 86. Renewable Energy Generation by Fuel
Western Electricity Coordinating Council/Northwest Power Pool Area

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric Power Sector 1/													
Generating Capacity (gigawatts)													
Conventional Hydropower	35.67	35.67	35.67	35.67	35.67	35.67	35.67	35.67	35.67	35.67	35.65	35.64	35.64
Geothermal 2/	0.23	0.24	0.24	0.25	0.31	0.34	0.44	0.57	0.65	0.70	0.77	0.91	0.95
Municipal Solid Waste 3/	0.09	0.09	0.09	0.09	0.10	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Wood and Other Biomass 4/	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.20	0.20
Solar Thermal	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06
Solar Photovoltaic 5/	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03
Wind	0.04	0.12	0.28	0.60	0.60	0.74	0.87	0.90	0.90	0.95	0.95	0.95	0.95
Total	36.20	36.29	36.45	36.78	36.86	37.11	37.34	37.52	37.59	37.71	37.76	37.91	37.96
Electricity Generation (billion kilowatthours)													
Conventional Hydropower	137.79	96.39	132.89	152.02	154.59	154.52	154.45	154.40	154.31	154.27	154.11	153.93	153.87
Geothermal 2/	1.52	1.46	1.60	1.67	2.09	2.37	3.14	4.11	4.92	5.26	5.90	6.87	7.31
Municipal Solid Waste 3/	0.44	0.46	0.72	0.73	0.75	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Wood and Other Biomass 4/	0.67	0.88	0.91	0.79	0.79	0.84	0.86	0.90	0.92	0.97	0.98	1.03	1.05
Solar Thermal	0.00	0.00	0.00	0.00	0.01	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10
Solar Photovoltaic 5/	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.03	0.04	0.05	0.07	0.08
Wind	0.30	0.36	0.75	1.71	1.98	2.41	2.84	3.03	3.03	3.16	3.21	3.21	3.21
Total	140.72	99.54	136.87	156.92	160.22	161.18	162.35	163.50	164.25	164.75	165.30	166.15	166.55
Energy Consumption (quadrillion Btu)													
Conventional Hydropower	1.42	0.99	1.37	1.56	1.59	1.59	1.59	1.59	1.59	1.59	1.58	1.58	1.58
Geothermal 2/	0.03	0.03	0.03	0.04	0.05	0.06	0.08	0.12	0.14	0.15	0.17	0.20	0.22
Municipal Solid Waste 3/	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
Wood and Other Biomass 4/	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
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.00	0.00	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Total	1.47	1.04	1.43	1.64	1.68	1.70	1.73	1.76	1.79	1.80	1.82	1.85	1.86
Combined Heat and Power 6/													
Generating Capacity (gigawatts)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	0.35	0.35	0.35	0.37	0.39	0.40	0.41	0.42	0.43	0.45	0.47	0.49	0.51
Total	0.38	0.38	0.38	0.39	0.41	0.42	0.43	0.44	0.45	0.47	0.49	0.51	0.53
Electricity Generation (billion kilowatthours)													
Municipal Solid Waste	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Wood and Other Biomass 4/	0.50	0.50	0.50	0.52	0.54	0.55	0.56	0.58	0.59	0.62	0.64	0.67	0.69
Total	0.54	0.54	0.53	0.56	0.58	0.59	0.60	0.62	0.63	0.65	0.68	0.71	0.73

Table 86. Renewable Energy Generation by Fuel
Western Electricity Coordinating Council/Northwest Power Pool Area

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption (quadrillion Btu)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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	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
Other End-Use Generators 7/													
Generating Capacity (gigawatts)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03
Total	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.12
Electricity Generation (billion kilowatthours)													
Conventional Hydropower 8/	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Geothermal 2/	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
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09
Energy Consumption (quadrillion Btu)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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

Table 86. Renewable Energy Generation by Fuel
Western Electricity Coordinating Council/Northwest Power Pool Area

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electric Power Sector 1/														
Generating Capacity (gigawatts)														
Conventional Hydropower	35.64	35.64	35.64	35.64	35.64	35.64	35.64	35.64	35.64	35.64	35.64	35.64	35.64	0.0%
Geothermal 2/	1.06	1.08	1.12	1.22	1.25	1.32	1.45	1.68	1.72	1.75	1.75	1.90	1.99	9.3%
Municipal Solid Waste 3/	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	1.2%
Wood and Other Biomass 4/	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	1.1%
Solar Thermal	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	23.5%
Solar Photovoltaic 5/	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.09	0.09	42.1%
Wind	1.06	1.06	1.07	1.07	1.07	1.07	1.07	1.07	1.10	1.12	1.15	1.17	1.21	10.1%
Total	38.19	38.22	38.28	38.39	38.42	38.50	38.64	38.87	38.94	39.00	39.04	39.21	39.35	0.3%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower	153.83	153.76	153.69	153.62	153.57	153.52	153.42	153.36	153.36	153.36	153.36	153.36	153.36	2.0%
Geothermal 2/	8.21	8.51	8.80	9.59	9.79	10.48	11.50	13.31	13.59	13.90	14.03	15.01	15.72	10.4%
Municipal Solid Waste 3/	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95	3.1%
Wood and Other Biomass 4/	1.09	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.0%
Solar Thermal	0.11	0.11	0.12	0.12	0.13	0.13	0.13	0.14	0.15	0.15	0.16	0.16	0.17	N/A
Solar Photovoltaic 5/	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	N/A
Wind	3.50	3.60	3.67	3.67	3.67	3.67	3.67	3.67	3.75	3.84	3.95	4.03	4.15	10.7%
Total	167.77	168.14	168.43	169.17	169.33	169.99	170.93	172.69	173.07	173.48	173.74	174.81	175.67	2.4%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	2.0%
Geothermal 2/	0.25	0.26	0.27	0.29	0.30	0.32	0.35	0.41	0.42	0.43	0.43	0.47	0.49	11.7%
Municipal Solid Waste 3/	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	3.9%
Wood and Other Biomass 4/	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	1.8%
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	10.7%
Total	1.89	1.90	1.91	1.94	1.94	1.97	2.00	2.06	2.07	2.08	2.08	2.11	2.14	3.0%
Combined Heat and Power 6/														
Generating Capacity (gigawatts)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	0.52	0.54	0.55	0.56	0.58	0.59	0.61	0.62	0.63	0.65	0.67	0.68	0.70	2.9%
Total	0.54	0.56	0.57	0.59	0.60	0.61	0.63	0.64	0.66	0.67	0.69	0.70	0.72	2.7%
Electricity Generation (billion kilowatthours)														
Municipal Solid Waste	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-0.6%
Wood and Other Biomass 4/	0.71	0.73	0.75	0.76	0.78	0.80	0.82	0.83	0.85	0.87	0.89	0.91	0.93	2.7%
Total	0.75	0.77	0.78	0.80	0.82	0.83	0.85	0.87	0.89	0.91	0.93	0.95	0.97	2.5%

Table 86. Renewable Energy Generation by Fuel
Western Electricity Coordinating Council/Northwest Power Pool Area

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption (quadrillion Btu)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	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	2.6%
Total	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	2.4%
Other End-Use Generators 7/														
Generating Capacity (gigawatts)														
Conventional Hydropower 8/	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%
Geothermal 2/	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
Solar Photovoltaic	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	16.5%
Total	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.15	0.15	0.16	0.16	2.5%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower 8/	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.0%
Geothermal 2/	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
Solar Photovoltaic	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	22.1%
Total	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	1.6%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	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
Total	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	0.0%

Table 86. Renewable Energy Generation by Fuel
Western Electricity Coordinating Council/Northwest Power Pool Area

1/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
2/ Includes hydrothermal resources only (hot water and steam).
3/ Includes landfill gas.
4/ Includes projections for energy crops after 2010.
5/ Does not include off-grid photovoltaics (PV). EIA estimates that another 76 megawatts of remote electricity generation PV applications were in service in 1999, plus an additional 205 megawatts in communications, transportation, and assorted other non-grid-connected applications.
6/ Combined heat and power produces electricity and other useful thermal energy.
7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.
8/ Represents own-use industrial hydroelectric power.
Note: Totals may not equal sum of components due to independent rounding. Net summer capacity has been estimated for nonutility generators for AEO99. Net summer capacity is used to be consistent with electric utility capacity estimates. Data for electric utility capacity data are the most recently available data as of August 31, 1997. Additional retirements are also determined on the basis of the size and age of the units. Therefore, capacity estimates may differ from other Energy Information Administration sources.
Sources: 2000 and 2001 generation: EIA, Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 87. Renewable Energy Generation by Fuel
Western Electricity Coordinating Council/ Rocky Mountain Power Area and Arizona-New Mexico-Southern Nevada Power Area

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric Power Sector 1/													
Generating Capacity (gigawatts)													
Conventional Hydropower	5.37	5.37	5.37	5.37	5.37	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36
Geothermal 2/	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.35	0.35	0.38	0.38
Municipal Solid Waste 3/	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Wood and Other Biomass 4/	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Solar Thermal	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Solar Photovoltaic 5/	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03
Wind	0.12	0.54	0.54	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.80	0.90	0.90
Total	5.84	6.27	6.27	6.44	6.46	6.50	6.50	6.52	6.52	6.64	6.65	6.78	6.78
Electricity Generation (billion kilowatthours)													
Conventional Hydropower	15.74	14.30	13.04	14.92	15.17	15.15	15.14	15.13	15.12	15.12	15.11	15.11	15.10
Geothermal 2/	2.64	2.51	2.99	2.99	2.99	2.99	2.99	2.99	2.99	3.16	3.16	3.36	3.36
Municipal Solid Waste 3/	0.12	0.15	0.23	0.24	0.27	0.30	0.33	0.34	0.35	0.35	0.35	0.35	0.35
Wood and Other Biomass 4/	0.24	0.41	0.42	0.27	0.30	0.33	0.35	0.37	0.37	0.37	0.37	0.37	0.37
Solar Thermal	0.00	0.00	0.00	0.00	0.00	0.06	0.09	0.12	0.13	0.13	0.13	0.14	0.14
Solar Photovoltaic 5/	0.00	0.00	0.02	0.02	0.03	0.03	0.04	0.05	0.06	0.06	0.07	0.08	0.09
Wind	0.01	0.06	1.58	1.94	2.06	2.06	2.06	2.06	2.06	2.41	2.41	2.76	2.76
Total	18.75	17.43	18.27	20.38	20.82	20.92	20.99	21.06	21.08	21.60	21.61	22.16	22.17
Energy Consumption (quadrillion Btu)													
Conventional Hydropower	0.16	0.15	0.13	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Geothermal 2/	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07
Municipal Solid Waste 3/	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
Wood and Other Biomass 4/	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
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03
Total	0.23	0.21	0.22	0.24	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.27	0.27
Combined Heat and Power 6/													
Generating Capacity (gigawatts)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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	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 Generation (billion kilowatthours)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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	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

Table 87. Renewable Energy Generation by Fuel
Western Electricity Coordinating Council/ Rocky Mountain Power Area and Arizona-New Mexico-Southern Nevada Power Area

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption (quadrillion Btu)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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	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 End-Use Generators 7/													
Generating Capacity (gigawatts)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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 Generation (billion kilowatthours)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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
Energy Consumption (quadrillion Btu)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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

Table 87. Renewable Energy Generation by Fuel
Western Electricity Coordinating Council/ Rocky Mountain Power Area and Arizona-New Mexico-Southern Nevada Power Area

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electric Power Sector 1/														
Generating Capacity (gigawatts)														
Conventional Hydropower	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	0.0%
Geothermal 2/	0.40	0.40	0.43	0.43	0.45	0.45	0.48	0.48	0.51	0.51	0.53	0.53	0.53	2.0%
Municipal Solid Waste 3/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	2.1%
Wood and Other Biomass 4/	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	N/A
Solar Thermal	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	N/A
Solar Photovoltaic 5/	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	10.3%
Wind	1.06	1.06	1.27	1.27	1.40	1.40	1.51	1.51	1.62	1.62	1.76	1.76	1.87	5.3%
Total	6.97	6.98	7.21	7.22	7.37	7.37	7.52	7.52	7.66	7.67	7.83	7.84	7.95	1.0%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower	15.09	15.08	15.08	15.07	15.07	15.06	15.06	15.05	15.05	15.05	15.05	15.05	15.05	0.2%
Geothermal 2/	3.58	3.58	3.77	3.77	3.96	3.96	4.23	4.23	4.47	4.47	4.61	4.63	4.66	2.6%
Municipal Solid Waste 3/	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	3.5%
Wood and Other Biomass 4/	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	-0.3%
Solar Thermal	0.14	0.15	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.17	0.18	0.18	0.18	N/A
Solar Photovoltaic 5/	0.09	0.10	0.11	0.11	0.12	0.13	0.14	0.14	0.15	0.16	0.17	0.17	0.18	N/A
Wind	3.36	3.36	4.11	4.11	4.56	4.56	4.97	4.97	5.36	5.36	5.89	5.89	6.28	21.0%
Total	22.99	22.99	23.94	23.94	24.59	24.60	25.28	25.28	25.92	25.93	26.61	26.64	27.07	1.9%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.2%
Geothermal 2/	0.08	0.08	0.08	0.08	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	0.11	2.4%
Municipal Solid Waste 3/	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	8.5%
Wood and Other Biomass 4/	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	2.0%
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	21.0%
Total	0.28	0.28	0.29	0.29	0.30	0.30	0.31	0.31	0.32	0.32	0.33	0.33	0.34	2.0%
Combined Heat and Power 6/														
Generating Capacity (gigawatts)														
Municipal Solid Waste	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
Wood and Other Biomass 4/	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
Total	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 Generation (billion kilowatthours)														
Municipal Solid Waste	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
Wood and Other Biomass 4/	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
Total	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

Table 87. Renewable Energy Generation by Fuel
Western Electricity Coordinating Council/ Rocky Mountain Power Area and Arizona-New Mexico-Southern Nevada Power Area

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption (quadrillion Btu)														
Municipal Solid Waste	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
Wood and Other Biomass 4/	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
Total	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 End-Use Generators 7/														
Generating Capacity (gigawatts)														
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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
Total	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 Generation (billion kilowatthours)														
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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
Total	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
Energy Consumption (quadrillion Btu)														
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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
Total	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

Table 87. Renewable Energy Generation by Fuel
Western Electricity Coordinating Council/ Rocky Mountain Power Area and Arizona-New Mexico-Southern Nevada Power Area

1/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
2/ Includes hydrothermal resources only (hot water and steam).
3/ Includes landfill gas.
4/ Includes projections for energy crops after 2010.
5/ Does not include off-grid photovoltaics (PV). EIA estimates that another 76 megawatts of remote electricity generation PV applications were in service in 1999, plus an additional 205 megawatts in communications, transportation, and assorted other non-grid-connected applications.
6/ Combined heat and power produces electricity and other useful thermal energy.
7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.
8/ Represents own-use industrial hydroelectric power.
Note: Totals may not equal sum of components due to independent rounding. Net summer capacity has been estimated for nonutility generators for AEO99. Net summer capacity is used to be consistent with electric utility capacity estimates. Data for electric utility capacity data are the most recently available data as of August 31, 1997. Additional retirements are also determined on the basis of the size and age of the units. Therefore, capacity estimates may differ from other Energy Information Administration sources.
Sources: 2000 and 2001 generation: EIA, Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 88. Renewable Energy Generation by Fuel
Western Electricity Coordinating Council/California

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric Power Sector 1/													
Generating Capacity (gigawatts)													
Conventional Hydropower	10.62	10.64	10.66	10.66	10.66	10.66	10.66	10.66	10.66	10.66	10.66	10.66	10.66
Geothermal 2/	2.29	2.29	2.29	2.29	2.18	2.36	2.36	2.41	2.41	2.41	2.41	2.41	2.41
Municipal Solid Waste 3/	0.33	0.33	0.38	0.42	0.43	0.54	0.54	0.55	0.55	0.55	0.55	0.55	0.55
Wood and Other Biomass 4/	0.39	0.39	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
Solar Thermal	0.33	0.33	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.34	0.34	0.34
Solar Photovoltaic 5/	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04
Wind	1.44	1.51	1.54	1.82	1.82	1.98	2.10	2.24	2.24	2.24	2.24	2.24	2.24
Total	15.40	15.50	15.64	15.96	15.86	16.31	16.44	16.63	16.64	16.64	16.65	16.65	16.66
Electricity Generation (billion kilowatthours)													
Conventional Hydropower	38.79	24.57	36.33	41.57	42.28	42.26	42.24	42.23	42.21	42.19	42.17	42.15	42.13
Geothermal 2/	9.67	9.65	8.98	8.98	8.65	9.72	10.07	10.47	10.47	10.49	10.49	10.49	10.49
Municipal Solid Waste 3/	2.20	1.99	2.67	2.93	3.07	3.93	3.96	3.97	3.98	3.99	4.00	4.00	4.00
Wood and Other Biomass 4/	2.45	2.75	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48
Solar Thermal	0.49	0.49	0.51	0.51	0.52	0.52	0.52	0.53	0.53	0.54	0.54	0.54	0.55
Solar Photovoltaic 5/	0.00	0.00	0.02	0.02	0.03	0.04	0.04	0.05	0.06	0.07	0.07	0.08	0.10
Wind	3.52	3.40	3.51	4.12	4.31	4.67	5.18	5.68	5.68	5.68	5.68	5.68	5.68
Total	57.12	42.85	54.50	60.62	61.35	63.61	64.50	65.39	65.40	65.42	65.43	65.42	65.42
Energy Consumption (quadrillion Btu)													
Conventional Hydropower	0.40	0.25	0.37	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
Geothermal 2/	0.19	0.20	0.20	0.20	0.19	0.22	0.24	0.25	0.25	0.25	0.25	0.25	0.25
Municipal Solid Waste 3/	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Wood and Other Biomass 4/	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.04	0.03	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06
Total	0.69	0.55	0.68	0.75	0.75	0.80	0.82	0.84	0.84	0.84	0.84	0.84	0.84
Combined Heat and Power 6/													
Generating Capacity (gigawatts)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	0.16	0.16	0.16	0.17	0.18	0.18	0.19	0.19	0.20	0.21	0.22	0.23	0.23
Total	0.17	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.22	0.23	0.24	0.25
Electricity Generation (billion kilowatthours)													
Municipal Solid Waste	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Wood and Other Biomass 4/	0.68	0.68	0.68	0.71	0.74	0.76	0.77	0.79	0.81	0.85	0.88	0.92	0.94
Total	0.74	0.74	0.73	0.76	0.79	0.81	0.82	0.84	0.87	0.90	0.93	0.97	1.00

Table 88. Renewable Energy Generation by Fuel
Western Electricity Coordinating Council/California

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption (quadrillion Btu)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	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	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
Other End-Use Generators 7/													
Generating Capacity (gigawatts)													
Conventional Hydropower 8/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Geothermal 2/	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
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06
Electricity Generation (billion kilowatthours)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02
Total	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12
Energy Consumption (quadrillion Btu)													
Conventional Hydropower 8/	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
Geothermal 2/	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
Solar Photovoltaic	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	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

Table 88. Renewable Energy Generation by Fuel
Western Electricity Coordinating Council/California

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electric Power Sector 1/														
Generating Capacity (gigawatts)														
Conventional Hydropower	10.66	10.66	10.66	10.66	10.66	10.66	10.66	10.66	10.66	10.66	10.66	10.66	10.66	0.0%
Geothermal 2/	2.41	2.48	2.53	2.61	2.61	2.63	2.73	2.83	2.88	2.93	2.98	3.03	3.12	1.3%
Municipal Solid Waste 3/	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	2.1%
Wood and Other Biomass 4/	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.3%
Solar Thermal	0.34	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.4%
Solar Photovoltaic 5/	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.09	0.09	0.10	0.10	0.11	0.12	12.5%
Wind	2.24	2.32	2.40	2.47	2.54	2.61	2.67	2.74	2.82	2.90	2.99	3.06	3.06	3.0%
Total	16.66	16.83	16.97	17.12	17.20	17.30	17.47	17.64	17.78	17.92	18.06	18.20	18.29	0.7%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower	42.12	42.10	42.08	42.07	42.05	42.03	42.01	42.00	42.00	42.00	42.00	42.00	42.00	2.3%
Geothermal 2/	10.49	11.08	11.47	12.06	12.06	12.35	13.13	13.92	14.32	14.71	15.10	15.50	16.20	2.2%
Municipal Solid Waste 3/	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.02	3.0%
Wood and Other Biomass 4/	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	-0.4%
Solar Thermal	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.60	0.60	0.61	0.61	0.62	1.0%
Solar Photovoltaic 5/	0.11	0.12	0.14	0.15	0.17	0.18	0.20	0.22	0.23	0.25	0.26	0.28	0.29	21.1%
Wind	5.68	5.97	6.26	6.51	6.78	7.02	7.26	7.50	7.78	8.10	8.41	8.68	8.68	4.0%
Total	65.42	66.31	67.00	67.83	68.11	68.64	69.67	70.71	71.39	72.13	72.86	73.54	74.28	2.3%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	2.3%
Geothermal 2/	0.25	0.27	0.28	0.30	0.30	0.31	0.33	0.35	0.36	0.37	0.38	0.40	0.42	3.2%
Municipal Solid Waste 3/	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	3.0%
Wood and Other Biomass 4/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.4%
Solar Thermal	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	1.0%
Solar Photovoltaic 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	21.1%
Wind	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09	4.0%
Total	0.84	0.86	0.88	0.90	0.90	0.91	0.94	0.96	0.97	0.99	1.00	1.02	1.04	2.7%
Combined Heat and Power 6/														
Generating Capacity (gigawatts)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	0.24	0.25	0.26	0.26	0.27	0.27	0.28	0.29	0.29	0.30	0.31	0.32	0.32	2.9%
Total	0.25	0.26	0.27	0.27	0.28	0.28	0.29	0.30	0.30	0.31	0.32	0.33	0.33	2.7%
Electricity Generation (billion kilowatthours)														
Municipal Solid Waste	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	-0.6%
Wood and Other Biomass 4/	0.97	1.00	1.02	1.04	1.07	1.09	1.12	1.14	1.17	1.19	1.22	1.25	1.28	2.7%
Total	1.02	1.05	1.07	1.10	1.12	1.14	1.17	1.19	1.22	1.24	1.27	1.30	1.33	2.5%

Table 88. Renewable Energy Generation by Fuel
Western Electricity Coordinating Council/California

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption (quadrillion Btu)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	2.6%
Total	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	2.4%
Other End-Use Generators 7/														
Generating Capacity (gigawatts)														
Conventional Hydropower 8/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.0%
Geothermal 2/	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
Solar Photovoltaic	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	16.5%
Total	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	2.5%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.05	22.1%
Total	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.15	1.6%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower 8/	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	0.0%
Geothermal 2/	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
Solar Photovoltaic	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
Total	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	0.0%

Table 88. Renewable Energy Generation by Fuel
Western Electricity Coordinating Council/California

1/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
2/ Includes hydrothermal resources only (hot water and steam).
3/ Includes landfill gas.
4/ Includes projections for energy crops after 2010.
5/ Does not include off-grid photovoltaics (PV). EIA estimates that another 76 megawatts of remote electricity generation PV applications were in service in 1999, plus an additional 205 megawatts in communications, transportation, and assorted other non-grid-connected applications.
6/ Combined heat and power produces electricity and other useful thermal energy.
7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.
8/ Represents own-use industrial hydroelectric power.
Note: Totals may not equal sum of components due to independent rounding. Net summer capacity has been estimated for nonutility generators for AEO99. Net summer capacity is used to be consistent with electric utility capacity estimates. Data for electric utility capacity data are the most recently available data as of August 31, 1997. Additional retirements are also determined on the basis of the size and age of the units. Therefore, capacity estimates may differ from other Energy Information Administration sources.
Sources: 2000 and 2001 generation: EIA, Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 89. Renewable Energy Generation by Fuel
United States

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Electric Power Sector 1/													
Generating Capacity (gigawatts)													
Conventional Hydropower	78.23	78.36	78.53	78.65	78.74	78.80	78.94	78.94	78.94	78.94	78.92	78.92	78.92
Geothermal 2/	2.85	2.86	2.86	2.87	2.83	3.03	3.13	3.32	3.39	3.46	3.54	3.70	3.74
Municipal Solid Waste 3/	3.10	3.25	3.41	3.50	3.53	3.78	3.83	3.86	3.90	3.98	4.03	4.07	4.11
Wood and Other Biomass 4/	1.67	1.77	1.84	1.87	1.94	2.01	2.03	2.05	2.05	2.07	2.07	2.09	2.10
Solar Thermal	0.33	0.33	0.33	0.33	0.34	0.42	0.43	0.43	0.43	0.43	0.44	0.44	0.44
Solar Photovoltaic 5/	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.07	0.08	0.09	0.10	0.12	0.13
Wind	2.45	4.29	4.99	6.75	6.75	7.24	7.58	7.85	7.95	8.38	8.47	8.73	8.93
Total	88.64	90.88	91.99	93.99	94.15	95.33	95.99	96.51	96.74	97.36	97.57	98.05	98.37
Electricity Generation (billion kilowatthours)													
Conventional Hydropower	271.03	213.82	258.56	296.29	301.62	301.73	302.08	302.19	302.08	302.01	301.85	301.66	301.58
Geothermal 2/	14.09	13.81	13.78	13.85	13.97	15.31	16.44	17.81	18.63	19.16	19.81	20.98	21.42
Municipal Solid Waste 3/	17.46	16.98	22.33	23.15	23.46	25.43	25.81	26.05	26.30	26.98	27.30	27.62	27.89
Wood and Other Biomass 4/	7.79	7.90	10.73	10.79	12.51	16.08	17.41	17.38	17.97	18.40	19.20	19.71	19.79
Solar Thermal	0.49	0.49	0.51	0.52	0.52	0.67	0.71	0.75	0.76	0.76	0.77	0.78	0.79
Solar Photovoltaic 5/	0.00	0.00	0.04	0.06	0.08	0.10	0.12	0.15	0.18	0.21	0.24	0.28	0.32
Wind	5.59	5.78	12.16	16.70	18.02	19.28	20.53	21.50	21.82	23.21	23.62	24.49	25.19
Total	316.46	258.79	318.13	361.37	370.18	378.60	383.11	385.83	387.73	390.75	392.79	395.51	396.99
Energy Consumption (quadrillion Btu)													
Conventional Hydropower	2.79	2.20	2.66	3.05	3.10	3.10	3.11	3.11	3.11	3.11	3.10	3.10	3.10
Geothermal 2/	0.29	0.29	0.29	0.30	0.30	0.35	0.38	0.43	0.45	0.47	0.49	0.53	0.54
Municipal Solid Waste 3/	0.27	0.27	0.33	0.34	0.34	0.37	0.37	0.38	0.38	0.39	0.39	0.40	0.40
Wood and Other Biomass 4/	0.12	0.13	0.17	0.17	0.19	0.23	0.24	0.24	0.25	0.25	0.26	0.27	0.27
Solar Thermal	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
Solar Photovoltaic 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
Wind	0.06	0.06	0.13	0.17	0.19	0.20	0.21	0.22	0.22	0.24	0.24	0.25	0.26
Total	3.53	2.96	3.58	4.03	4.13	4.25	4.32	4.38	4.42	4.47	4.50	4.56	4.58
Combined Heat and Power 6/													
Generating Capacity (gigawatts)													
Municipal Solid Waste	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Wood and Other Biomass 4/	4.41	4.41	4.41	4.64	4.83	4.96	5.07	5.22	5.39	5.61	5.88	6.12	6.33
Total	4.69	4.69	4.69	4.93	5.11	5.24	5.35	5.51	5.67	5.89	6.16	6.40	6.61
Electricity Generation (billion kilowatthours)													
Municipal Solid Waste	2.50	2.46	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
Wood and Other Biomass 4/	28.68	28.67	28.68	30.05	31.10	31.89	32.53	33.43	34.38	35.68	37.23	38.66	39.86
Total	31.18	31.13	30.83	32.20	33.25	34.04	34.68	35.58	36.53	37.83	39.38	40.81	42.01

Table 89. Renewable Energy Generation by Fuel
United States

Fuels	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Energy Consumption (quadrillion Btu)													
Municipal Solid Waste	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
Wood and Other Biomass 4/	0.37	0.37	0.37	0.39	0.40	0.41	0.42	0.43	0.44	0.46	0.48	0.50	0.51
Total	0.42	0.42	0.42	0.44	0.45	0.46	0.47	0.48	0.49	0.51	0.53	0.55	0.56
Other End-Use Generators 7/													
Generating Capacity (gigawatts)													
Conventional Hydropower 8/	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
Geothermal 2/	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
Solar Photovoltaic	0.01	0.02	0.04	0.06	0.08	0.11	0.14	0.18	0.24	0.30	0.38	0.39	0.40
Total	1.11	1.12	1.13	1.15	1.17	1.20	1.24	1.28	1.33	1.40	1.47	1.48	1.49
Electricity Generation (billion kilowatthours)													
Conventional Hydropower 8/	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23
Geothermal 2/	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
Solar Photovoltaic	0.01	0.02	0.09	0.12	0.17	0.23	0.31	0.40	0.51	0.65	0.82	0.83	0.86
Total	4.24	4.25	4.32	4.35	4.40	4.46	4.54	4.63	4.74	4.88	5.05	5.07	5.09
Energy Consumption (quadrillion Btu)													
Conventional Hydropower 8/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Geothermal 2/	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
Solar Photovoltaic	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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04

Table 89. Renewable Energy Generation by Fuel
United States

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Electric Power Sector 1/														
Generating Capacity (gigawatts)														
Conventional Hydropower	78.92	78.92	78.92	78.92	78.92	78.92	78.92	78.92	78.92	78.92	78.92	78.92	78.92	0.0%
Geothermal 2/	3.87	3.97	4.08	4.26	4.31	4.41	4.67	5.00	5.12	5.20	5.27	5.46	5.64	2.9%
Municipal Solid Waste 3/	4.15	4.18	4.22	4.26	4.28	4.31	4.34	4.37	4.37	4.37	4.37	4.37	4.37	1.2%
Wood and Other Biomass 4/	2.12	2.13	2.14	2.15	2.16	2.16	2.17	2.18	2.18	2.32	2.42	2.60	2.78	1.9%
Solar Thermal	0.45	0.45	0.46	0.46	0.46	0.47	0.47	0.48	0.48	0.48	0.49	0.49	0.50	1.7%
Solar Photovoltaic 5/	0.15	0.16	0.18	0.20	0.22	0.23	0.25	0.27	0.29	0.30	0.32	0.34	0.36	13.9%
Wind	9.34	9.64	10.06	10.20	10.55	10.61	10.91	11.05	11.29	11.43	11.76	11.86	12.00	4.4%
Total	98.98	99.46	100.05	100.44	100.89	101.11	101.73	102.25	102.63	103.01	103.54	104.04	104.56	0.6%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower	301.53	301.47	301.37	301.30	301.22	301.17	301.08	301.01	301.06	301.12	301.18	301.24	301.30	1.4%
Geothermal 2/	22.54	23.45	24.33	25.71	26.11	27.09	29.18	31.78	32.70	33.41	34.08	35.48	36.92	4.2%
Municipal Solid Waste 3/	28.15	28.42	28.68	28.95	29.16	29.36	29.56	29.76	29.82	29.83	29.85	29.86	29.91	2.4%
Wood and Other Biomass 4/	20.03	20.15	20.21	20.06	19.96	19.88	19.92	19.82	19.85	20.27	20.90	21.76	22.59	4.5%
Solar Thermal	0.81	0.82	0.83	0.84	0.86	0.87	0.88	0.90	0.91	0.93	0.94	0.95	0.97	2.9%
Solar Photovoltaic 5/	0.36	0.40	0.44	0.49	0.53	0.58	0.62	0.66	0.71	0.75	0.80	0.84	0.88	26.7%
Wind	26.52	27.66	29.14	29.64	30.84	31.20	32.21	32.70	33.65	34.14	35.35	35.69	36.21	7.9%
Total	399.94	402.36	405.01	406.99	408.68	410.15	413.45	416.63	418.71	420.46	423.08	425.83	428.80	2.1%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.09	3.10	3.10	3.10	3.10	3.10	1.4%
Geothermal 2/	0.58	0.60	0.63	0.67	0.69	0.72	0.78	0.86	0.89	0.91	0.93	0.97	1.01	5.3%
Municipal Solid Waste 3/	0.41	0.41	0.41	0.42	0.42	0.42	0.42	0.43	0.43	0.43	0.43	0.43	0.43	2.0%
Wood and Other Biomass 4/	0.27	0.28	0.28	0.28	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.29	0.30	3.4%
Solar Thermal	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	2.9%
Solar Photovoltaic 5/	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	26.7%
Wind	0.27	0.28	0.30	0.30	0.32	0.32	0.33	0.34	0.35	0.35	0.36	0.37	0.37	7.9%
Total	4.64	4.68	4.73	4.78	4.81	4.84	4.92	5.01	5.05	5.08	5.12	5.17	5.23	2.4%
Combined Heat and Power 6/														
Generating Capacity (gigawatts)														
Municipal Solid Waste	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.0%
Wood and Other Biomass 4/	6.52	6.72	6.89	7.04	7.21	7.39	7.59	7.76	7.92	8.12	8.31	8.52	8.71	2.9%
Total	6.80	7.00	7.17	7.33	7.49	7.68	7.87	8.04	8.20	8.40	8.59	8.80	9.00	2.7%
Electricity Generation (billion kilowatthours)														
Municipal Solid Waste	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	-0.6%
Wood and Other Biomass 4/	40.98	42.15	43.15	44.05	45.03	46.10	47.21	48.21	49.18	50.31	51.44	52.65	53.80	2.7%
Total	43.13	44.30	45.30	46.20	47.18	48.25	49.36	50.36	51.33	52.47	53.59	54.80	55.95	2.5%

Table 89. Renewable Energy Generation by Fuel
United States

Fuels	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Energy Consumption (quadrillion Btu)														
Municipal Solid Waste	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	0.0%
Wood and Other Biomass 4/	0.53	0.54	0.55	0.57	0.58	0.59	0.61	0.62	0.63	0.65	0.66	0.67	0.69	2.6%
Total	0.58	0.59	0.60	0.61	0.63	0.64	0.65	0.67	0.68	0.69	0.71	0.72	0.74	2.4%
Other End-Use Generators 7/														
Generating Capacity (gigawatts)														
Conventional Hydropower 8/	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.40	0.42	0.44	0.47	0.50	0.53	0.56	0.62	0.68	0.74	0.80	0.87	0.93	16.5%
Total	1.50	1.51	1.54	1.56	1.59	1.62	1.65	1.71	1.77	1.83	1.90	1.96	2.03	2.5%
Electricity Generation (billion kilowatthours)														
Conventional Hydropower 8/	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	4.23	0.0%
Geothermal 2/	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
Solar Photovoltaic	0.87	0.90	0.96	1.02	1.08	1.14	1.20	1.33	1.45	1.58	1.71	1.85	1.98	22.1%
Total	5.11	5.14	5.19	5.25	5.31	5.38	5.44	5.57	5.69	5.82	5.95	6.09	6.22	1.6%
Energy Consumption (quadrillion Btu)														
Conventional Hydropower 8/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.0%
Geothermal 2/	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
Solar Photovoltaic	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
Total	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.0%

Table 89. Renewable Energy Generation by Fuel
United States

1/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
2/ Includes hydrothermal resources only (hot water and steam).
3/ Includes landfill gas.
4/ Includes projections for energy crops after 2010.
5/ Does not include off-grid photovoltaics (PV). EIA estimates that another 76 megawatts of remote electricity generation PV applications were in service in 1999, plus an additional 205 megawatts in communications, transportation, and assorted other non-grid-connected applications.
6/ Combined heat and power produces electricity and other useful thermal energy.
7/ Includes small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.
8/ Represents own-use industrial hydroelectric power.
Note: Totals may not equal sum of components due to independent rounding. Net summer capacity has been estimated for nonutility generators for AEO99. Net summer capacity is used to be consistent with electric utility capacity estimates. Data for electric utility capacity data are the most recently available data as of August 31, 1997. Additional retirements are also determined on the basis of the size and age of the units. Therefore, capacity estimates may differ from other Energy Information Administration sources.
Sources: 2000 and 2001 generation: EIA, Annual Energy Review 2001, DOE/EIA-0384(2001) (Washington, DC, November 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 90. Domestic Refinery Distillation Base Capacity, Expansion, and Utilization
(Million Barrels per Day)

Region	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
PAD District I													
Base Capacity 1/	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Cumulative Capacity Additions 2/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Capacity	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Utilization	92.0	87.0	90.0	91.0	88.9	86.7	89.8	90.0	92.2	94.3	94.3	94.3	94.3
PAD Districts II to IV													
Base Capacity 1/	11.7	11.8	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
Cumulative Capacity Additions 2/	0.0	0.0	0.0	0.0	0.7	1.0	1.3	1.7	2.0	2.1	2.2	2.3	2.3
Total Capacity	11.8	11.9	11.9	12.3	12.5	12.9	13.2	13.5	13.9	14.0	14.0	14.1	14.1
Utilization	94.0	94.5	95.8	94.4	94.5	94.5	93.8	94.2	93.5	94.5	94.8	94.8	94.8
PAD District V													
Base Capacity 1/	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Cumulative Capacity Additions 2/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Capacity	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Utilization	88.0	89.0	89.0	87.0	81.1	81.1	81.1	81.1	81.1	82.1	85.4	87.9	91.2
United States													
Base Capacity 1/	16.5	16.6	16.8	16.8	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
Cumulative Capacity Additions 2/	0.0	0.0	0.0	0.0	0.7	1.0	1.3	1.7	2.0	2.1	2.2	2.3	2.3
Total Capacity	16.6	16.8	16.8	17.1	17.2	17.6	17.9	18.2	18.5	18.6	18.7	18.8	18.8
Utilization	93.0	93.0	94.0	93.0	91.5	91.5	91.3	91.6	91.3	92.4	93.2	93.6	94.2

Table 90. Domestic Refinery Distillation Base Capacity, Expansion, and Utilization
(Million Barrels per Day)

Region	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
PAD District I														
Base Capacity 1/	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	-0.3%
Cumulative Capacity Additions 2/	0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.6	0.6	0.6	16.2%
Total Capacity	1.6	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2	1.0%
Utilization	94.3	94.3	94.3	94.2	94.2	94.1	94.1	94.1	94.1	94.1	94.0	94.0	94.0	0.3%
PAD Districts II to IV														
Base Capacity 1/	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	0.0%
Cumulative Capacity Additions 2/	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	11.5%
Total Capacity	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	0.7%
Utilization	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	0.0%
PAD District V														
Base Capacity 1/	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.0%
Cumulative Capacity Additions 2/	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	16.4%
Total Capacity	3.1	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.5	0.4%
Utilization	93.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	0.2%
United States														
Base Capacity 1/	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	0.0%
Cumulative Capacity Additions 2/	2.3	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.2	3.2	12.5%
Total Capacity	18.8	18.8	18.9	19.0	19.2	19.3	19.4	19.5	19.5	19.6	19.7	19.7	19.8	0.7%
Utilization	94.5	94.7	94.7	94.7	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	0.1%

Table 90. Domestic Refinery Distillation Base Capacity, Expansion, and Utilization
(Million Barrels per Day)

1/ For years prior to 2004, this represents the capacity on December 31 of the previous year. For 2004 through 2025, this represents capacity on December 31, 2003.
2/ Cumulative additions after December 31, 2003.
PAD = Petroleum Administration for Defense.
N/A = Not applicable.
Note: Base capacity is for the beginning of the year.
Source: 2001: Energy Information Administration (EIA), Petroleum Supply Annual 2001, DOE/EIA-0340(2001)/1 (Washington, DC, June 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 91. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
New England

Product Price Components	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Diesel													
End-User Price	1.64	1.48	1.41	1.50	1.42	1.39	1.43	1.50	1.49	1.51	1.52	1.54	1.52
Federal Taxes	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.19
State Taxes	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Distribution Costs	0.24	0.27	0.24	0.24	0.24	0.24	0.26	0.26	0.26	0.25	0.25	0.25	0.25
Wholesale Price	0.95	0.76	0.72	0.81	0.74	0.72	0.74	0.82	0.81	0.84	0.86	0.88	0.87
Motor Gasoline													
End-User Price	1.63	1.50	1.45	1.53	1.45	1.44	1.44	1.44	1.44	1.44	1.45	1.44	1.43
Federal Taxes	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15
State Taxes 1/	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Distribution Costs	0.15	0.17	0.15	0.15	0.20	0.20	0.16	0.15	0.15	0.15	0.15	0.15	0.15
Wholesale Price	1.05	0.90	0.88	0.96	0.84	0.82	0.88	0.88	0.88	0.89	0.90	0.89	0.89
Jet Fuel													
End-User Price	1.03	0.87	0.84	0.89	0.87	0.84	0.82	0.81	0.82	0.82	0.82	0.83	0.83
Federal Taxes	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03
State Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Distribution Costs	-0.03	0.00	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
Wholesale Price	0.99	0.80	0.78	0.84	0.82	0.79	0.76	0.76	0.76	0.77	0.77	0.78	0.78
Residential Distillate Fuel/ Heating Oil													
End-User Price	1.31	1.23	1.11	1.24	1.16	1.08	1.07	1.07	1.07	1.08	1.09	1.10	1.11
Distribution Costs	0.38	0.47	0.39	0.39	0.44	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39
Wholesale Price	0.93	0.76	0.72	0.85	0.71	0.69	0.68	0.68	0.68	0.69	0.70	0.71	0.72
World Oil Price	0.67	0.52	0.56	0.61	0.57	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.58

Table 91. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
New England

Product Price Components	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Diesel														
End-User Price	1.50	1.49	1.49	1.49	1.51	1.52	1.52	1.51	1.53	1.55	1.56	1.52	1.53	0.1%
Federal Taxes	0.19	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.13	-2.4%
State Taxes	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	N/A
Distribution Costs	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	-0.3%
Wholesale Price	0.85	0.85	0.85	0.86	0.88	0.90	0.90	0.90	0.92	0.94	0.95	0.93	0.93	0.9%
Motor Gasoline														
End-User Price	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.44	1.44	1.47	-0.1%
Federal Taxes	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	-2.4%
State Taxes 1/	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.0%
Distribution Costs	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	-0.4%
Wholesale Price	0.89	0.90	0.90	0.90	0.91	0.91	0.91	0.92	0.92	0.93	0.94	0.94	0.98	0.3%
Jet Fuel														
End-User Price	0.85	0.86	0.86	0.86	0.86	0.87	0.89	0.89	0.91	0.93	0.94	0.94	0.95	0.4%
Federal Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	-2.4%
State Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Distribution Costs	-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	5.9%
Wholesale Price	0.80	0.81	0.81	0.82	0.82	0.83	0.84	0.85	0.87	0.89	0.90	0.90	0.91	0.5%
Residential Distillate Fuel/ Heating Oil														
End-User Price	1.12	1.14	1.14	1.15	1.14	1.15	1.18	1.19	1.19	1.20	1.20	1.20	1.21	-0.1%
Distribution Costs	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	-0.8%
Wholesale Price	0.73	0.75	0.75	0.75	0.75	0.76	0.78	0.79	0.80	0.80	0.81	0.81	0.82	0.3%
World Oil Price	0.58	0.59	0.59	0.59	0.60	0.60	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.8%

Table 91. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
New England

1/ Includes a 2 cent average local tax.
N/A = Not applicable.
Sources: 2001 distribution costs and wholesale prices: estimated based on Energy Information Administration (EIA) Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report" and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report." 2001 diesel and gasoline taxes: Federal Highway Administration, Table MF-121T, http://www.fhwa.dot.gov/ohim/mmfr/mmfrpage.htm, March 2001. 2001 jet fuel taxes: EIA, Office of Oil and Gas. 2001 end-user prices: estimated as the sum of the components. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 92. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
Middle Atlantic

Product Price Components	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Diesel													
End-User Price	1.62	1.43	1.35	1.44	1.39	1.36	1.39	1.46	1.45	1.47	1.48	1.50	1.48
Federal Taxes	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.19
State Taxes	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Distribution Costs	0.19	0.19	0.18	0.18	0.18	0.18	0.19	0.20	0.19	0.19	0.19	0.18	0.18
Wholesale Price	0.94	0.76	0.69	0.79	0.74	0.72	0.74	0.82	0.81	0.84	0.86	0.88	0.86
Motor Gasoline													
End-User Price	1.56	1.40	1.36	1.44	1.41	1.40	1.40	1.40	1.40	1.40	1.41	1.40	1.39
Federal Taxes	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15
State Taxes 1/	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
Distribution Costs	0.12	0.11	0.12	0.12	0.17	0.18	0.13	0.13	0.12	0.12	0.12	0.12	0.12
Wholesale Price	1.03	0.88	0.83	0.91	0.84	0.83	0.88	0.89	0.89	0.90	0.91	0.90	0.90
Jet Fuel													
End-User Price	0.99	0.83	0.79	0.85	0.82	0.79	0.76	0.76	0.76	0.77	0.77	0.78	0.78
Federal Taxes	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03
State Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Distribution Costs	0.02	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Wholesale Price	0.90	0.76	0.73	0.79	0.76	0.73	0.70	0.70	0.71	0.71	0.71	0.73	0.73
Residential Distillate Fuel/ Heating Oil													
End-User Price	1.39	1.28	1.17	1.30	1.21	1.13	1.12	1.12	1.13	1.13	1.14	1.15	1.16
Distribution Costs	0.48	0.53	0.47	0.47	0.52	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
Wholesale Price	0.92	0.75	0.70	0.83	0.69	0.67	0.66	0.66	0.66	0.67	0.68	0.69	0.70
World Oil Price	0.67	0.52	0.56	0.61	0.57	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.58

Table 92. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
Middle Atlantic

Product Price Components	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Diesel														
End-User Price	1.46	1.45	1.45	1.45	1.47	1.48	1.48	1.47	1.49	1.51	1.52	1.48	1.49	0.2%
Federal Taxes	0.19	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.13	-2.4%
State Taxes	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	N/A
Distribution Costs	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	-0.1%
Wholesale Price	0.85	0.85	0.85	0.86	0.88	0.89	0.89	0.89	0.91	0.94	0.95	0.92	0.93	0.8%
Motor Gasoline														
End-User Price	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.40	1.40	1.41	1.44	0.1%
Federal Taxes	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	-2.4%
State Taxes 1/	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.0%
Distribution Costs	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	0.4%
Wholesale Price	0.90	0.90	0.90	0.91	0.92	0.92	0.92	0.92	0.93	0.94	0.95	0.95	0.99	0.5%
Jet Fuel														
End-User Price	0.80	0.82	0.82	0.83	0.83	0.84	0.86	0.86	0.88	0.90	0.91	0.92	0.92	0.4%
Federal Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	-2.4%
State Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Distribution Costs	-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	N/A
Wholesale Price	0.75	0.77	0.77	0.78	0.78	0.79	0.81	0.81	0.84	0.86	0.87	0.87	0.88	0.6%
Residential Distillate Fuel/ Heating Oil														
End-User Price	1.18	1.20	1.20	1.20	1.19	1.21	1.23	1.24	1.25	1.25	1.25	1.26	1.26	-0.1%
Distribution Costs	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	-0.5%
Wholesale Price	0.71	0.73	0.73	0.74	0.73	0.74	0.77	0.77	0.78	0.78	0.79	0.79	0.80	0.2%
World Oil Price	0.58	0.59	0.59	0.59	0.60	0.60	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.8%

Table 92. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
Middle Atlantic

1/ Includes a 2 cent average local tax.
N/A = Not applicable.
Sources: 2001 distribution costs and wholesale prices: estimated based on Energy Information Administration (EIA) Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report" and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report." 2001 diesel and gasoline taxes: Federal Highway Administration, Table MF-121T, http://www.fhwa.dot.gov/ohim/mmfr/mmfrpage.htm, March 2001. 2001 jet fuel taxes: EIA, Office of Oil and Gas. 2001 end-user prices: estimated as the sum of the components. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 93. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
East North Central

Product Price Components	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Diesel													
End-User Price	1.51	1.41	1.30	1.39	1.33	1.29	1.32	1.39	1.38	1.40	1.41	1.42	1.40
Federal Taxes	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.19
State Taxes	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
Distribution Costs	0.12	0.12	0.14	0.14	0.14	0.14	0.15	0.16	0.15	0.15	0.15	0.14	0.14
Wholesale Price	0.92	0.83	0.70	0.79	0.74	0.71	0.72	0.80	0.79	0.82	0.84	0.86	0.84
Motor Gasoline													
End-User Price	1.57	1.49	1.36	1.44	1.41	1.40	1.41	1.41	1.41	1.42	1.42	1.41	1.41
Federal Taxes	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15
State Taxes 1/	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
Distribution Costs	0.14	0.14	0.14	0.14	0.19	0.19	0.15	0.14	0.14	0.14	0.14	0.14	0.14
Wholesale Price	0.99	0.91	0.78	0.87	0.79	0.78	0.85	0.85	0.85	0.87	0.87	0.86	0.86
Jet Fuel													
End-User Price	0.95	0.83	0.78	0.83	0.79	0.75	0.72	0.72	0.73	0.73	0.73	0.76	0.77
Federal Taxes	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03
State Taxes	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
Distribution Costs	0.00	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
Wholesale Price	0.91	0.79	0.74	0.80	0.76	0.72	0.70	0.70	0.70	0.71	0.71	0.74	0.74
Residential Distillate Fuel/ Heating Oil													
End-User Price	1.24	1.20	1.05	1.18	1.08	1.00	0.99	0.99	0.99	1.00	1.01	1.03	1.04
Distribution Costs	0.32	0.38	0.33	0.33	0.39	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
Wholesale Price	0.92	0.82	0.71	0.84	0.69	0.66	0.65	0.65	0.66	0.67	0.68	0.70	0.71
World Oil Price	0.67	0.52	0.56	0.61	0.57	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.58

Table 93. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
East North Central

Product Price Components	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Diesel														
End-User Price	1.38	1.38	1.38	1.38	1.40	1.41	1.40	1.40	1.42	1.43	1.44	1.45	1.45	0.1%
Federal Taxes	0.19	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.13	-2.4%
State Taxes	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	N/A
Distribution Costs	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.8%
Wholesale Price	0.83	0.83	0.83	0.84	0.86	0.88	0.88	0.87	0.90	0.92	0.93	0.94	0.95	0.6%
Motor Gasoline														
End-User Price	1.40	1.40	1.40	1.40	1.43	1.43	1.43	1.43	1.43	1.44	1.46	1.46	1.50	0.0%
Federal Taxes	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	-2.4%
State Taxes 1/	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.0%
Distribution Costs	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	-0.1%
Wholesale Price	0.86	0.86	0.86	0.87	0.90	0.91	0.91	0.92	0.92	0.93	0.95	0.96	1.00	0.4%
Jet Fuel														
End-User Price	0.78	0.80	0.80	0.80	0.83	0.84	0.86	0.86	0.88	0.90	0.91	0.91	0.93	0.5%
Federal Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	-2.4%
State Taxes	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	N/A
Distribution Costs	-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	2.9%
Wholesale Price	0.76	0.78	0.78	0.78	0.81	0.82	0.84	0.84	0.86	0.88	0.90	0.90	0.91	0.6%
Residential Distillate Fuel/ Heating Oil														
End-User Price	1.06	1.09	1.10	1.11	1.13	1.15	1.17	1.18	1.20	1.22	1.24	1.24	1.26	0.2%
Distribution Costs	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	-0.5%
Wholesale Price	0.73	0.76	0.76	0.77	0.80	0.81	0.84	0.84	0.87	0.89	0.90	0.91	0.92	0.5%
World Oil Price	0.58	0.59	0.59	0.59	0.60	0.60	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.8%

Table 93. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
East North Central

1/ Includes a 2 cent average local tax.
N/A = Not applicable.
Sources: 2001 distribution costs and wholesale prices: estimated based on Energy Information Administration (EIA) Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report" and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report." 2001 diesel and gasoline taxes: Federal Highway Administration, Table MF-121T, http://www.fhwa.dot.gov/ohim/mmfr/mmfrpage.htm, March 2001. 2001 jet fuel taxes: EIA, Office of Oil and Gas. 2001 end-user prices: estimated as the sum of the components. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 94. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
West North Central

Product Price Components	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Diesel													
End-User Price	1.48	1.39	1.28	1.36	1.32	1.29	1.31	1.38	1.37	1.39	1.41	1.42	1.40
Federal Taxes	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.19
State Taxes	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Distribution Costs	0.10	0.11	0.11	0.11	0.11	0.11	0.13	0.13	0.13	0.13	0.12	0.12	0.12
Wholesale Price	0.93	0.84	0.72	0.82	0.78	0.75	0.76	0.84	0.83	0.86	0.88	0.90	0.89
Motor Gasoline													
End-User Price	1.52	1.43	1.33	1.40	1.37	1.36	1.38	1.38	1.37	1.39	1.39	1.38	1.37
Federal Taxes	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15
State Taxes 1/	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
Distribution Costs	0.14	0.13	0.15	0.15	0.19	0.20	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Wholesale Price	0.97	0.90	0.78	0.86	0.79	0.77	0.84	0.85	0.85	0.87	0.87	0.86	0.86
Jet Fuel													
End-User Price	0.98	0.86	0.82	0.88	0.84	0.81	0.78	0.78	0.78	0.79	0.79	0.82	0.82
Federal Taxes	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03
State Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Distribution Costs	-0.04	-0.06	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
Wholesale Price	0.95	0.86	0.79	0.84	0.81	0.78	0.75	0.75	0.75	0.76	0.76	0.79	0.79
Residential Distillate Fuel/ Heating Oil													
End-User Price	1.16	1.09	1.00	1.13	1.03	0.96	0.95	0.95	0.95	0.96	0.97	1.00	1.00
Distribution Costs	0.23	0.25	0.27	0.27	0.32	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
Wholesale Price	0.93	0.83	0.73	0.86	0.72	0.69	0.68	0.68	0.69	0.69	0.71	0.73	0.74
World Oil Price	0.67	0.52	0.56	0.61	0.57	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.58

Table 94. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
West North Central

Product Price Components	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Diesel														
End-User Price	1.38	1.38	1.38	1.38	1.40	1.41	1.41	1.40	1.42	1.43	1.44	1.45	1.46	0.2%
Federal Taxes	0.19	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.13	-2.4%
State Taxes	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	N/A
Distribution Costs	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	0.4%
Wholesale Price	0.87	0.87	0.88	0.89	0.91	0.92	0.92	0.92	0.94	0.97	0.98	0.99	1.00	0.7%
Motor Gasoline														
End-User Price	1.36	1.36	1.36	1.37	1.39	1.40	1.40	1.40	1.40	1.41	1.42	1.43	1.47	0.1%
Federal Taxes	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	-2.4%
State Taxes 1/	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.0%
Distribution Costs	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.4%
Wholesale Price	0.86	0.86	0.86	0.87	0.90	0.91	0.91	0.92	0.92	0.93	0.95	0.96	1.00	0.5%
Jet Fuel														
End-User Price	0.83	0.85	0.85	0.85	0.87	0.89	0.90	0.90	0.92	0.94	0.95	0.95	0.97	0.5%
Federal Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	-2.4%
State Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Distribution Costs	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-2.2%
Wholesale Price	0.81	0.82	0.82	0.83	0.85	0.87	0.88	0.88	0.90	0.92	0.94	0.94	0.95	0.4%
Residential Distillate Fuel/ Heating Oil														
End-User Price	1.03	1.05	1.06	1.07	1.09	1.11	1.14	1.14	1.17	1.19	1.20	1.21	1.22	0.5%
Distribution Costs	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.2%
Wholesale Price	0.76	0.79	0.79	0.80	0.83	0.84	0.87	0.88	0.90	0.92	0.94	0.94	0.96	0.6%
World Oil Price	0.58	0.59	0.59	0.59	0.60	0.60	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.8%

Table 94. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
West North Central

1/ Includes a 2 cent average local tax.
N/A = Not applicable.
Sources: 2001 distribution costs and wholesale prices: estimated based on Energy Information Administration (EIA) Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report" and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report." 2001 diesel and gasoline taxes: Federal Highway Administration, Table MF-121T, http://www.fhwa.dot.gov/ohim/mmfr/mmfrpage.htm, March 2001. 2001 jet fuel taxes: EIA, Office of Oil and Gas. 2001 end-user prices: estimated as the sum of the components. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 95. Components of Selected Petroleum Product Prices

Product Price Components	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Diesel													
End-User Price	1.46	1.34	1.23	1.32	1.29	1.26	1.28	1.35	1.34	1.36	1.37	1.39	1.37
Federal Taxes	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.19
State Taxes	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
Distribution Costs	0.13	0.15	0.14	0.14	0.14	0.14	0.15	0.16	0.15	0.15	0.15	0.15	0.15
Wholesale Price	0.90	0.77	0.67	0.76	0.74	0.71	0.72	0.80	0.79	0.82	0.84	0.86	0.84
Motor Gasoline													
End-User Price	1.45	1.33	1.30	1.37	1.33	1.33	1.34	1.34	1.34	1.35	1.35	1.34	1.34
Federal Taxes	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15
State Taxes 1/	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
Distribution Costs	0.12	0.12	0.13	0.13	0.18	0.19	0.14	0.13	0.13	0.13	0.13	0.13	0.13
Wholesale Price	0.95	0.84	0.80	0.88	0.80	0.79	0.85	0.86	0.86	0.88	0.88	0.87	0.87
Jet Fuel													
End-User Price	0.99	0.86	0.81	0.86	0.82	0.79	0.76	0.76	0.77	0.77	0.77	0.81	0.81
Federal Taxes	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03
State Taxes	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
Distribution Costs	-0.01	-0.02	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
Wholesale Price	0.90	0.80	0.75	0.81	0.77	0.74	0.71	0.71	0.72	0.72	0.72	0.76	0.76
Residential Distillate Fuel/ Heating Oil													
End-User Price	1.34	1.25	1.14	1.27	1.17	1.09	1.08	1.08	1.09	1.09	1.10	1.13	1.13
Distribution Costs	0.44	0.49	0.44	0.44	0.49	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
Wholesale Price	0.90	0.76	0.70	0.83	0.67	0.65	0.64	0.64	0.65	0.65	0.66	0.69	0.69
World Oil Price	0.67	0.52	0.56	0.61	0.57	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.58

Table 95. Components of Selected Petroleum Product Prices

Product Price Components	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Diesel														
End-User Price	1.35	1.34	1.34	1.34	1.36	1.37	1.37	1.36	1.38	1.40	1.41	1.41	1.42	0.2%
Federal Taxes	0.19	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.13	-2.4%
State Taxes	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	N/A
Distribution Costs	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	N/A
Wholesale Price	0.83	0.83	0.83	0.84	0.86	0.87	0.88	0.87	0.90	0.92	0.93	0.94	0.96	0.9%
Motor Gasoline														
End-User Price	1.33	1.33	1.32	1.33	1.36	1.36	1.36	1.36	1.36	1.37	1.38	1.39	1.43	0.3%
Federal Taxes	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	-2.4%
State Taxes 1/	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.0%
Distribution Costs	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.4%
Wholesale Price	0.87	0.87	0.87	0.88	0.91	0.92	0.92	0.92	0.93	0.94	0.96	0.97	1.01	0.8%
Jet Fuel														
End-User Price	0.83	0.84	0.85	0.85	0.87	0.89	0.91	0.91	0.93	0.95	0.96	0.97	0.97	0.5%
Federal Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	-2.4%
State Taxes	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	N/A
Distribution Costs	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	1.8%
Wholesale Price	0.78	0.80	0.80	0.81	0.83	0.85	0.86	0.87	0.89	0.91	0.92	0.93	0.93	0.7%
Residential Distillate Fuel/ Heating Oil														
End-User Price	1.15	1.18	1.17	1.18	1.19	1.21	1.24	1.25	1.25	1.26	1.26	1.27	1.27	0.1%
Distribution Costs	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	-0.4%
Wholesale Price	0.71	0.74	0.73	0.74	0.75	0.77	0.80	0.81	0.81	0.82	0.82	0.83	0.83	0.4%
World Oil Price	0.58	0.59	0.59	0.59	0.60	0.60	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.8%

Table 95. Components of Selected Petroleum Product Prices

1/ Includes a 2 cent average local tax.
N/A = Not applicable.
Sources: 2001 distribution costs and wholesale prices: estimated based on Energy Information Administration (EIA) Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report" and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report." 2001 diesel and gasoline taxes: Federal Highway Administration, Table MF-121T, http://www.fhwa.dot.gov/ohim/mmfr/mmfrpage.htm, March 2001. 2001 jet fuel taxes: EIA, Office of Oil and Gas. 2001 end-user prices: estimated as the sum of the components. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 96. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
East South Central

Product Price Components	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Diesel													
End-User Price	1.48	1.32	1.23	1.32	1.28	1.24	1.27	1.34	1.33	1.35	1.36	1.38	1.35
Federal Taxes	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.19
State Taxes	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Distribution Costs	0.17	0.15	0.15	0.15	0.15	0.15	0.17	0.17	0.17	0.17	0.16	0.16	0.16
Wholesale Price	0.90	0.77	0.68	0.78	0.74	0.71	0.72	0.80	0.79	0.82	0.84	0.86	0.84
Motor Gasoline													
End-User Price	1.48	1.37	1.33	1.40	1.35	1.35	1.37	1.37	1.36	1.38	1.38	1.37	1.36
Federal Taxes	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15
State Taxes 1/	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Distribution Costs	0.16	0.16	0.17	0.17	0.22	0.22	0.18	0.17	0.17	0.17	0.17	0.17	0.17
Wholesale Price	0.93	0.82	0.77	0.86	0.76	0.75	0.82	0.83	0.83	0.85	0.85	0.84	0.84
Jet Fuel													
End-User Price	0.96	0.82	0.79	0.85	0.79	0.76	0.73	0.73	0.73	0.74	0.74	0.78	0.78
Federal Taxes	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03
State Taxes	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
Distribution Costs	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wholesale Price	0.87	0.75	0.72	0.78	0.73	0.70	0.67	0.67	0.67	0.68	0.68	0.72	0.73
Residential Distillate Fuel/ Heating Oil													
End-User Price	1.12	0.97	0.99	1.12	1.02	0.95	0.94	0.94	0.94	0.95	0.96	0.98	0.99
Distribution Costs	0.23	0.21	0.30	0.30	0.35	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Wholesale Price	0.89	0.76	0.69	0.82	0.67	0.65	0.64	0.64	0.65	0.65	0.66	0.69	0.69
World Oil Price	0.67	0.52	0.56	0.61	0.57	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.58

Table 96. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
East South Central

Product Price Components	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Diesel														
End-User Price	1.34	1.33	1.33	1.33	1.35	1.36	1.36	1.35	1.37	1.38	1.39	1.40	1.41	0.3%
Federal Taxes	0.19	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.13	-2.4%
State Taxes	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	N/A
Distribution Costs	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.4%
Wholesale Price	0.83	0.83	0.83	0.84	0.86	0.87	0.88	0.87	0.90	0.92	0.93	0.94	0.95	0.9%
Motor Gasoline														
End-User Price	1.35	1.35	1.35	1.35	1.38	1.38	1.38	1.38	1.39	1.39	1.41	1.42	1.45	0.3%
Federal Taxes	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	-2.4%
State Taxes 1/	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.0%
Distribution Costs	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.3%
Wholesale Price	0.84	0.84	0.84	0.85	0.88	0.88	0.89	0.89	0.90	0.91	0.93	0.94	0.98	0.7%
Jet Fuel														
End-User Price	0.80	0.82	0.82	0.83	0.85	0.87	0.89	0.89	0.91	0.94	0.95	0.96	0.97	0.7%
Federal Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	-2.4%
State Taxes	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	N/A
Distribution Costs	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	-2.8%
Wholesale Price	0.75	0.77	0.77	0.78	0.80	0.82	0.84	0.84	0.86	0.89	0.90	0.91	0.92	0.8%
Residential Distillate Fuel/ Heating Oil														
End-User Price	1.01	1.04	1.05	1.05	1.08	1.09	1.12	1.13	1.15	1.17	1.19	1.20	1.21	0.9%
Distribution Costs	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	1.5%
Wholesale Price	0.71	0.74	0.75	0.75	0.78	0.80	0.82	0.83	0.85	0.87	0.89	0.90	0.91	0.7%
World Oil Price	0.58	0.59	0.59	0.59	0.60	0.60	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.8%

Table 96. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
East South Central

1/ Includes a 2 cent average local tax.
N/A = Not applicable.
Sources: 2001 distribution costs and wholesale prices: estimated based on Energy Information Administration (EIA) Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report" and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report." 2001 diesel and gasoline taxes: Federal Highway Administration, Table MF-121T, http://www.fhwa.dot.gov/ohim/mmfr/mmfrpage.htm, March 2001. 2001 jet fuel taxes: EIA, Office of Oil and Gas. 2001 end-user prices: estimated as the sum of the components. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 97. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
West South Central

Product Price Components	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Diesel													
End-User Price	1.45	1.33	1.23	1.32	1.28	1.25	1.27	1.34	1.33	1.35	1.36	1.38	1.36
Federal Taxes	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.19
State Taxes	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Distribution Costs	0.11	0.14	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.13	0.13
Wholesale Price	0.88	0.75	0.67	0.76	0.73	0.70	0.71	0.78	0.78	0.81	0.82	0.85	0.83
Motor Gasoline													
End-User Price	1.45	1.34	1.31	1.39	1.35	1.34	1.36	1.36	1.35	1.36	1.37	1.35	1.35
Federal Taxes	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15
State Taxes 1/	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Distribution Costs	0.14	0.14	0.17	0.17	0.22	0.23	0.18	0.17	0.17	0.17	0.17	0.17	0.17
Wholesale Price	0.91	0.80	0.74	0.83	0.75	0.74	0.80	0.80	0.81	0.82	0.83	0.82	0.82
Jet Fuel													
End-User Price	0.91	0.78	0.74	0.80	0.76	0.73	0.70	0.70	0.70	0.71	0.71	0.74	0.75
Federal Taxes	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03
State Taxes	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
Distribution Costs	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wholesale Price	0.86	0.73	0.70	0.75	0.72	0.69	0.66	0.66	0.67	0.67	0.67	0.71	0.72
Residential Distillate Fuel/ Heating Oil													
End-User Price	1.18	0.99	0.88	1.01	0.92	0.84	0.83	0.83	0.84	0.85	0.86	0.88	0.89
Distribution Costs	0.31	0.25	0.21	0.21	0.26	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Wholesale Price	0.87	0.73	0.67	0.80	0.66	0.64	0.62	0.63	0.63	0.64	0.65	0.67	0.68
World Oil Price	0.67	0.52	0.56	0.61	0.57	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.58

Table 97. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
West South Central

Product Price Components	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Diesel														
End-User Price	1.34	1.33	1.33	1.34	1.35	1.36	1.36	1.35	1.37	1.39	1.40	1.40	1.41	0.2%
Federal Taxes	0.19	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.13	-2.4%
State Taxes	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	N/A
Distribution Costs	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	-0.2%
Wholesale Price	0.81	0.81	0.82	0.83	0.85	0.86	0.86	0.86	0.88	0.90	0.92	0.93	0.94	1.0%
Motor Gasoline														
End-User Price	1.34	1.34	1.34	1.35	1.37	1.37	1.37	1.38	1.38	1.39	1.40	1.41	1.44	0.3%
Federal Taxes	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	-2.4%
State Taxes 1/	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.0%
Distribution Costs	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	1.0%
Wholesale Price	0.81	0.82	0.82	0.83	0.86	0.86	0.87	0.87	0.88	0.89	0.91	0.91	0.95	0.7%
Jet Fuel														
End-User Price	0.77	0.79	0.79	0.80	0.82	0.84	0.85	0.86	0.88	0.90	0.91	0.92	0.93	0.7%
Federal Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	-2.4%
State Taxes	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
Distribution Costs	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
Wholesale Price	0.74	0.76	0.76	0.77	0.79	0.81	0.82	0.83	0.85	0.87	0.89	0.89	0.91	0.9%
Residential Distillate Fuel/ Heating Oil														
End-User Price	0.91	0.93	0.94	0.95	0.98	0.99	1.02	1.02	1.05	1.07	1.08	1.09	1.10	0.5%
Distribution Costs	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	-0.8%
Wholesale Price	0.70	0.73	0.73	0.74	0.77	0.78	0.81	0.82	0.84	0.86	0.87	0.88	0.89	0.8%
World Oil Price	0.58	0.59	0.59	0.59	0.60	0.60	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.8%

Table 97. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
West South Central

1/ Includes a 2 cent average local tax.
N/A = Not applicable.
Sources: 2001 distribution costs and wholesale prices: estimated based on Energy Information Administration (EIA) Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report" and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report." 2001 diesel and gasoline taxes: Federal Highway Administration, Table MF-121T, http://www.fhwa.dot.gov/ohim/mmfr/mmfrpage.htm, March 2001. 2001 jet fuel taxes: EIA, Office of Oil and Gas. 2001 end-user prices: estimated as the sum of the components. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 98. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
Mountain

Product Price Components	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Diesel													
End-User Price	1.58	1.45	1.34	1.43	1.41	1.37	1.40	1.47	1.46	1.48	1.49	1.51	1.48
Federal Taxes	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.19
State Taxes	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Distribution Costs	0.13	0.14	0.14	0.14	0.14	0.14	0.16	0.16	0.16	0.15	0.15	0.15	0.15
Wholesale Price	0.98	0.86	0.74	0.84	0.83	0.79	0.81	0.88	0.88	0.91	0.92	0.94	0.93
Motor Gasoline													
End-User Price	1.59	1.50	1.41	1.49	1.49	1.48	1.50	1.49	1.49	1.50	1.51	1.49	1.49
Federal Taxes	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15
State Taxes 1/	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Distribution Costs	0.14	0.15	0.16	0.16	0.21	0.22	0.17	0.17	0.16	0.16	0.16	0.16	0.16
Wholesale Price	1.04	0.94	0.84	0.92	0.87	0.86	0.93	0.93	0.94	0.95	0.96	0.95	0.95
Jet Fuel													
End-User Price	1.05	0.90	0.87	0.93	0.90	0.86	0.83	0.83	0.84	0.84	0.83	0.86	0.85
Federal Taxes	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03
State Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Distribution Costs	-0.02	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
Wholesale Price	1.00	0.86	0.81	0.87	0.84	0.81	0.78	0.78	0.79	0.79	0.78	0.81	0.81
Residential Distillate Fuel/ Heating Oil													
End-User Price	1.19	1.08	1.05	1.18	1.11	1.03	1.02	1.02	1.02	1.03	1.04	1.06	1.07
Distribution Costs	0.22	0.23	0.28	0.28	0.33	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
Wholesale Price	0.97	0.85	0.77	0.90	0.78	0.75	0.74	0.74	0.75	0.75	0.76	0.78	0.79
World Oil Price	0.67	0.52	0.56	0.61	0.57	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.58

Table 98. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
Mountain

Product Price Components	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Diesel														
End-User Price	1.47	1.46	1.46	1.46	1.48	1.49	1.49	1.48	1.50	1.51	1.52	1.53	1.54	0.2%
Federal Taxes	0.19	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.13	-2.4%
State Taxes	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	N/A
Distribution Costs	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.3%
Wholesale Price	0.91	0.91	0.92	0.93	0.95	0.96	0.96	0.96	0.98	1.00	1.02	1.03	1.04	0.8%
Motor Gasoline														
End-User Price	1.48	1.48	1.48	1.48	1.51	1.51	1.51	1.51	1.52	1.52	1.54	1.54	1.58	0.2%
Federal Taxes	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	-2.4%
State Taxes 1/	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.0%
Distribution Costs	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.5%
Wholesale Price	0.94	0.95	0.95	0.96	0.99	0.99	1.00	1.00	1.01	1.02	1.04	1.04	1.08	0.6%
Jet Fuel														
End-User Price	0.86	0.88	0.87	0.87	0.89	0.91	0.92	0.92	0.94	0.95	0.96	0.97	0.98	0.3%
Federal Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	-2.4%
State Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Distribution Costs	-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	-2.1%
Wholesale Price	0.82	0.83	0.83	0.83	0.85	0.86	0.88	0.88	0.90	0.91	0.93	0.93	0.94	0.4%
Residential Distillate Fuel/ Heating Oil														
End-User Price	1.09	1.12	1.13	1.14	1.16	1.18	1.20	1.21	1.23	1.25	1.27	1.27	1.29	0.7%
Distribution Costs	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.8%
Wholesale Price	0.81	0.84	0.85	0.86	0.88	0.90	0.92	0.93	0.95	0.97	0.99	0.99	1.01	0.7%
World Oil Price	0.58	0.59	0.59	0.59	0.60	0.60	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.8%

Table 98. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
Mountain

1/ Includes a 2 cent average local tax.
N/A = Not applicable.
Sources: 2001 distribution costs and wholesale prices: estimated based on Energy Information Administration (EIA) Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report" and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report." 2001 diesel and gasoline taxes: Federal Highway Administration, Table MF-121T, http://www.fhwa.dot.gov/ohim/mmfr/mmfrpage.htm, March 2001. 2001 jet fuel taxes: EIA, Office of Oil and Gas. 2001 end-user prices: estimated as the sum of the components. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 99. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
Pacific

Product Price Components	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Diesel													
End-User Price	1.67	1.51	1.40	1.49	1.39	1.37	1.42	1.48	1.46	1.45	1.48	1.49	1.51
Federal Taxes	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.19
State Taxes	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Distribution Costs	0.17	0.21	0.20	0.20	0.20	0.20	0.21	0.22	0.21	0.21	0.21	0.21	0.21
Wholesale Price	1.01	0.82	0.73	0.82	0.73	0.71	0.75	0.81	0.80	0.80	0.84	0.85	0.87
Motor Gasoline													
End-User Price	1.68	1.60	1.44	1.52	1.56	1.54	1.53	1.56	1.59	1.59	1.60	1.57	1.57
Federal Taxes	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15
State Taxes 1/	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
Distribution Costs	0.12	0.13	0.13	0.13	0.18	0.18	0.14	0.13	0.13	0.13	0.13	0.13	0.13
Wholesale Price	1.10	1.01	0.86	0.95	0.95	0.92	0.96	1.00	1.04	1.04	1.05	1.03	1.03
Jet Fuel													
End-User Price	1.03	0.86	0.83	0.89	0.73	0.72	0.73	0.77	0.77	0.78	0.78	0.77	0.77
Federal Taxes	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03
State Taxes	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
Distribution Costs	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Wholesale Price	0.96	0.81	0.77	0.82	0.66	0.65	0.67	0.71	0.71	0.72	0.72	0.71	0.71
Residential Distillate Fuel/ Heating Oil													
End-User Price	1.42	1.31	1.15	1.29	1.12	1.06	1.09	1.10	1.11	1.11	1.12	1.10	1.12
Distribution Costs	0.42	0.49	0.41	0.41	0.46	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
Wholesale Price	1.00	0.82	0.75	0.88	0.66	0.66	0.68	0.69	0.70	0.70	0.71	0.69	0.71
World Oil Price	0.67	0.52	0.56	0.61	0.57	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.58

Table 99. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
Pacific

Product Price Components	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Diesel														
End-User Price	1.51	1.49	1.58	1.58	1.51	1.50	1.50	1.51	1.53	1.51	1.52	1.53	1.53	0.0%
Federal Taxes	0.19	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.13	-2.4%
State Taxes	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	N/A
Distribution Costs	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	N/A
Wholesale Price	0.87	0.87	0.96	0.96	0.90	0.89	0.90	0.91	0.93	0.92	0.93	0.95	0.95	0.6%
Motor Gasoline														
End-User Price	1.57	1.58	1.59	1.58	1.60	1.63	1.64	1.63	1.61	1.59	1.61	1.64	1.66	0.2%
Federal Taxes	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	-2.4%
State Taxes 1/	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.0%
Distribution Costs	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0%
Wholesale Price	1.03	1.05	1.05	1.05	1.07	1.11	1.12	1.12	1.10	1.09	1.11	1.14	1.16	0.5%
Jet Fuel														
End-User Price	0.77	0.77	0.80	0.80	0.80	0.79	0.79	0.79	0.80	0.80	0.80	0.80	0.80	-0.3%
Federal Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	-2.4%
State Taxes	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	N/A
Distribution Costs	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
Wholesale Price	0.71	0.71	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.75	0.75	0.75	0.75	-0.3%
Residential Distillate Fuel/ Heating Oil														
End-User Price	1.12	1.13	1.14	1.15	1.15	1.16	1.16	1.16	1.17	1.14	1.18	1.19	1.19	-0.4%
Distribution Costs	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	-0.8%
Wholesale Price	0.71	0.72	0.74	0.74	0.74	0.75	0.75	0.75	0.76	0.73	0.77	0.78	0.78	-0.2%
World Oil Price	0.58	0.59	0.59	0.59	0.60	0.60	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.8%

Table 99. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
Pacific

1/ Includes a 2 cent average local tax.
N/A = Not applicable.
Sources: 2001 distribution costs and wholesale prices: estimated based on Energy Information Administration (EIA) Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report" and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report." 2001 diesel and gasoline taxes: Federal Highway Administration, Table MF-121T, http://www.fhwa.dot.gov/ohim/mmfr/mmfrpage.htm, March 2001. 2001 jet fuel taxes: EIA, Office of Oil and Gas. 2001 end-user prices: estimated as the sum of the components. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 100. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
United States

Product Price Components	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Diesel													
End-User Price	1.52	1.39	1.29	1.38	1.33	1.30	1.33	1.40	1.38	1.40	1.42	1.43	1.41
Federal Taxes	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.19
State Taxes	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
Distribution Costs	0.14	0.15	0.15	0.15	0.15	0.15	0.16	0.17	0.16	0.16	0.16	0.16	0.16
Wholesale Price	0.93	0.79	0.70	0.79	0.75	0.72	0.74	0.81	0.80	0.83	0.85	0.87	0.86
Motor Gasoline													
End-User Price	1.54	1.43	1.36	1.43	1.41	1.40	1.41	1.41	1.41	1.42	1.43	1.41	1.41
Federal Taxes	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15
State Taxes 1/	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Distribution Costs	0.13	0.13	0.14	0.14	0.19	0.20	0.15	0.15	0.14	0.14	0.14	0.14	0.14
Wholesale Price	0.99	0.89	0.81	0.89	0.82	0.81	0.87	0.88	0.89	0.90	0.90	0.89	0.90
Jet Fuel													
End-User Price	0.98	0.84	0.80	0.85	0.78	0.76	0.74	0.75	0.75	0.76	0.76	0.78	0.78
Federal Taxes	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03
State Taxes	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
Distribution Costs	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
Wholesale Price	0.92	0.78	0.74	0.80	0.73	0.71	0.69	0.70	0.71	0.71	0.71	0.73	0.73
Residential Distillate Fuel/ Heating Oil													
End-User Price	1.34	1.25	1.13	1.26	1.17	1.09	1.08	1.08	1.09	1.09	1.10	1.12	1.13
Distribution Costs	0.42	0.48	0.42	0.42	0.47	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
Wholesale Price	0.92	0.76	0.71	0.84	0.70	0.67	0.66	0.66	0.67	0.68	0.69	0.70	0.71
World Oil Price	0.67	0.52	0.56	0.61	0.57	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.58

Table 100. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
United States

Product Price Components	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Diesel														
End-User Price	1.40	1.39	1.40	1.40	1.41	1.42	1.41	1.41	1.43	1.44	1.45	1.45	1.46	0.2%
Federal Taxes	0.19	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.13	-2.4%
State Taxes	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	N/A
Distribution Costs	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.1%
Wholesale Price	0.85	0.84	0.86	0.87	0.88	0.89	0.89	0.89	0.91	0.93	0.95	0.95	0.96	0.8%
Motor Gasoline														
End-User Price	1.40	1.41	1.40	1.41	1.43	1.43	1.44	1.44	1.44	1.44	1.45	1.46	1.50	0.2%
Federal Taxes	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	-2.4%
State Taxes 1/	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.0%
Distribution Costs	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.3%
Wholesale Price	0.89	0.90	0.90	0.91	0.93	0.94	0.95	0.95	0.95	0.96	0.98	0.99	1.02	0.6%
Jet Fuel														
End-User Price	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.85	0.87	0.89	0.90	0.90	0.91	0.3%
Federal Taxes	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	-2.4%
State Taxes	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	N/A
Distribution Costs	-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	0.2%
Wholesale Price	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.85	0.86	0.86	0.87	0.5%
Residential Distillate Fuel/ Heating Oil														
End-User Price	1.14	1.16	1.16	1.17	1.16	1.18	1.20	1.21	1.22	1.22	1.23	1.23	1.24	0.0%
Distribution Costs	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	-0.6%
Wholesale Price	0.73	0.75	0.75	0.76	0.77	0.78	0.81	0.81	0.83	0.84	0.85	0.85	0.86	0.5%
World Oil Price	0.58	0.59	0.59	0.59	0.60	0.60	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.8%

Table 100. Components of Selected Petroleum Product Prices
(2001 Dollars per Gallon)
United States

1/ Includes a 2 cent average local tax.
N/A = Not applicable.
Sources: 2001 distribution costs and wholesale prices: estimated based on Energy Information Administration (EIA) Form EIA-782A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report" and EIA-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report." 2001 diesel and gasoline taxes: Federal Highway Administration, Table MF-121T, http://www.fhwa.dot.gov/ohim/mmfr/mmfrpage.htm, March 2001. 2001 jet fuel taxes: EIA, Office of Oil and Gas. 2001 end-user prices: estimated as the sum of the components. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 101. Lower 48 Crude Oil Production and Wellhead Prices by Supply Region

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Production 1/													
(million barrels per day)													
Lower 48 Total	4.89	4.84	4.89	4.80	4.73	4.71	5.20	5.29	5.23	5.14	4.98	4.85	4.72
Lower 48 Onshore													
Northeast	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07
Gulf Coast	0.63	0.61	0.60	0.57	0.52	0.49	0.45	0.42	0.38	0.36	0.33	0.30	0.28
Midcontinent	0.35	0.33	0.33	0.31	0.30	0.29	0.28	0.28	0.27	0.27	0.26	0.26	0.25
Southwest	1.10	1.06	1.05	0.99	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.90
Rocky Mountain	0.40	0.38	0.38	0.36	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.34
West Coast	0.69	0.67	0.66	0.62	0.62	0.61	0.61	0.60	0.59	0.59	0.58	0.58	0.57
Lower 48 Offshore													
Gulf	1.47	1.57	1.67	1.77	1.77	1.82	2.36	2.53	2.52	2.48	2.38	2.30	2.22
Pacific	0.15	0.13	0.12	0.10	0.11	0.11	0.10	0.10	0.10	0.09	0.09	0.09	0.08
Atlantic	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
Wellhead Prices (2001 dollars per barrel)													
Lower 48 Average	28.18	22.91	24.29	26.99	23.99	23.17	23.11	23.31	23.45	23.76	23.90	24.15	23.89
Lower 48 Onshore													
Northeast	28.45	23.15	24.53	27.24	24.09	23.27	23.01	23.22	23.31	23.71	23.82	24.08	23.74
Gulf Coast	29.20	23.71	25.14	27.90	23.96	23.09	22.83	23.01	23.13	23.46	23.59	23.83	23.57
Midcontinent	29.31	24.09	25.53	28.34	23.87	23.07	22.88	23.08	23.18	23.55	23.67	23.93	23.63
Southwest	29.28	23.47	24.87	27.60	23.51	22.73	22.67	22.86	22.96	23.29	23.42	23.71	23.45
Rocky Mountain	28.38	22.89	24.26	26.94	24.00	23.14	22.86	23.05	23.17	23.52	23.65	23.90	23.64
West Coast	25.39	20.11	21.31	23.67	22.67	21.92	22.24	22.35	22.54	22.64	22.90	23.13	23.00
Lower 48 Offshore													
Gulf	28.27	23.33	24.71	27.45	24.92	24.01	23.74	23.93	24.06	24.40	24.54	24.78	24.51
Pacific	24.39	20.68	21.91	24.33	21.08	20.39	20.69	20.79	20.96	21.06	21.30	21.51	21.39
Atlantic	28.27	23.33	24.71	27.45	24.09	23.27	23.01	23.22	23.31	23.71	23.82	24.08	23.74

Table 101. Lower 48 Crude Oil Production and Wellhead Prices by Supply Region

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Production 1/														
(million barrels per day)														
Lower 48 Total	4.56	4.44	4.37	4.29	4.23	4.21	4.26	4.23	4.17	4.23	4.20	4.17	4.16	-0.6%
Lower 48 Onshore														
Northeast	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-1.8%
Gulf Coast	0.26	0.24	0.23	0.21	0.20	0.18	0.17	0.16	0.15	0.14	0.13	0.13	0.12	-6.5%
Midcontinent	0.25	0.24	0.24	0.23	0.23	0.23	0.22	0.22	0.22	0.21	0.21	0.21	0.20	-2.0%
Southwest	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	-1.3%
Rocky Mountain	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.33	0.33	0.33	0.33	-0.6%
West Coast	0.56	0.56	0.55	0.55	0.54	0.53	0.53	0.52	0.52	0.51	0.51	0.50	0.50	-1.2%
Lower 48 Offshore														
Gulf	2.11	2.03	2.00	1.96	1.94	1.96	2.04	2.05	2.02	2.11	2.11	2.11	2.12	1.3%
Pacific	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	-3.2%
Atlantic	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
Wellhead Prices (2001 dollars per barrel)														
Lower 48 Average	24.03	24.11	24.13	24.28	24.46	24.61	24.70	24.89	25.12	25.34	25.57	25.81	26.12	0.5%
Lower 48 Onshore														
Northeast	23.89	23.99	23.97	24.14	24.35	24.50	24.51	24.73	24.90	25.09	25.29	25.54	25.84	0.5%
Gulf Coast	23.74	23.85	23.89	24.06	24.26	24.38	24.46	24.65	24.84	25.03	25.26	25.50	25.79	0.4%
Midcontinent	23.78	23.89	23.89	24.05	24.25	24.40	24.43	24.64	24.82	25.01	25.21	25.46	25.75	0.3%
Southwest	23.61	23.72	23.75	23.91	24.09	24.24	24.30	24.50	24.69	24.88	25.09	25.32	25.60	0.4%
Rocky Mountain	23.80	23.90	23.94	24.11	24.31	24.43	24.50	24.70	24.88	25.06	25.29	25.54	25.83	0.5%
West Coast	23.03	22.93	22.88	22.90	22.98	23.14	23.20	23.34	23.75	24.05	24.24	24.40	24.79	0.9%
Lower 48 Offshore														
Gulf	24.69	24.80	24.85	25.03	25.23	25.36	25.44	25.64	25.83	26.03	26.27	26.52	26.82	0.6%
Pacific	21.42	21.32	21.28	21.29	21.37	21.52	21.57	21.70	22.09	22.37	22.54	22.69	23.05	0.5%
Atlantic	23.89	23.99	23.97	24.14	24.35	24.50	24.51	24.73	24.90	25.09	25.29	25.54	25.84	0.4%

Table 101. Lower 48 Crude Oil Production and Wellhead Prices by Supply Region

1/ Includes lease condensate.
N/A = Not applicable.
Note: Supply regions are defined in "Documentation of the Oil and Gas Supply Module," Energy Information Administration (EIA), DOE/EIA-MO63(2001) (Washington, DC, March 2002). Totals may not equal sum of components due to independent rounding. Data for 2000 and 2001 may differ slightly from official EIA data reports due to internal conversion factors within the AEO2003 National Energy Modeling System.
Sources: 2000: Energy Information Administration (EIA), Petroleum Supply Annual 2000, DOE/EIA-0340(2000)/1 (Washington, DC, June 2001); EIA, Petroleum Marketing Annual 2000, http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_marketing_annual/pma_historical.html (August 2001); and EIA, Office of Integrated Analysis and Forecasting (OIAF). 2001: EIA, Petroleum Supply Annual 2001, DOE/EIA-0340(2001)/1 (Washington, DC, June 2002) and EIA, OIAF. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 102. Lower Natural Gas Production and Wellhead Prices by Supply Region

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Dry Production (trillion cubic feet) 1/													
Lower 48 Total	18.57	19.02	18.98	19.58	19.72	19.69	19.98	20.06	20.63	20.99	21.40	21.91	22.42
Lower 48 Onshore													
Northeast	1.02	1.02	1.06	1.09	1.07	1.07	1.08	1.10	1.13	1.16	1.19	1.22	1.26
Gulf Coast	4.84	4.97	4.57	4.89	5.03	4.92	4.77	4.74	4.86	4.98	5.11	5.20	5.23
Midcontinent	2.53	2.55	2.47	2.67	2.76	2.86	2.94	3.05	3.34	3.46	3.51	3.53	3.59
Southwest	1.52	1.50	1.48	1.59	1.59	1.62	1.63	1.66	1.72	1.74	1.77	1.79	1.82
Rocky Mountain	3.23	3.37	3.60	3.94	4.10	4.14	4.18	4.15	4.26	4.32	4.48	4.66	4.95
West Coast	0.31	0.31	0.27	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.23
Lower 48 Offshore													
Gulf	5.05	5.24	5.47	5.11	4.87	4.80	5.09	5.08	5.04	5.07	5.08	5.23	5.32
Pacific	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.03	0.03
Atlantic	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
Wellhead Prices (2001 dollars per thousand cubic feet)													
Lower 48 Average	3.83	4.12	2.75	3.13	2.92	2.88	2.82	2.91	3.03	3.15	3.29	3.36	3.43
Lower 48 Onshore													
Northeast	3.80	4.10	3.10	3.62	3.54	3.31	3.23	3.27	3.38	3.47	3.59	3.73	3.80
Gulf Coast	4.29	4.62	3.00	3.18	2.86	2.94	2.94	2.94	3.03	3.12	3.27	3.46	3.60
Midcontinent	3.81	4.12	2.92	3.16	2.89	2.80	2.79	2.85	2.82	3.08	3.30	3.45	3.54
Southwest	3.99	4.31	2.71	2.88	2.90	2.83	2.84	2.87	3.05	3.22	3.38	3.48	3.58
Rocky Mountain	3.52	3.79	2.37	2.60	2.65	2.73	2.73	2.78	3.02	3.09	3.12	3.10	3.03
West Coast	5.03	5.41	3.19	2.89	2.81	3.05	3.31	3.43	3.69	3.81	3.82	3.78	3.72
Lower 48 Offshore													
Gulf	3.47	3.73	2.62	3.44	3.12	2.92	2.69	2.94	3.07	3.13	3.34	3.28	3.39
Pacific	4.36	4.69	3.39	3.20	3.03	3.20	3.37	3.49	3.87	4.18	4.41	4.36	4.23
Atlantic	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

Table 102. Lower Natural Gas Production and Wellhead Prices by Supply Region

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Dry Production (trillion cubic feet) 1/														
Lower 48 Total	22.72	23.06	23.32	23.37	23.40	23.83	24.18	24.53	24.04	23.68	23.83	24.18	24.12	1.0%
Lower 48 Onshore														
Northeast	1.30	1.31	1.32	1.33	1.32	1.31	1.30	1.30	1.28	1.24	1.23	1.22	1.21	0.7%
Gulf Coast	5.22	5.25	5.31	5.38	5.46	5.50	5.55	5.65	5.56	5.52	5.54	5.48	5.35	0.3%
Midcontinent	3.65	3.68	3.71	3.72	3.69	3.66	3.64	3.64	3.53	3.46	3.47	3.42	3.35	1.1%
Southwest	1.84	1.88	1.93	1.99	2.02	2.05	2.10	2.16	2.17	2.18	2.23	2.24	2.27	1.7%
Rocky Mountain	5.21	5.35	5.43	5.43	5.49	5.75	5.92	6.18	5.98	5.82	6.07	6.17	6.06	2.5%
West Coast	0.23	0.24	0.24	0.24	0.24	0.24	0.23	0.22	0.21	0.20	0.20	0.20	0.19	-1.9%
Lower 48 Offshore														
Gulf	5.25	5.33	5.35	5.27	5.16	5.30	5.41	5.38	5.31	5.24	5.08	5.44	5.68	0.3%
Pacific	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-7.8%
Atlantic	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
Wellhead Prices (2001 dollars per thousand cubic feet)														
Lower 48 Average	3.47	3.52	3.55	3.59	3.61	3.57	3.58	3.69	3.69	3.75	3.82	3.87	3.90	-0.2%
Lower 48 Onshore														
Northeast	3.85	3.93	3.98	4.04	4.08	4.08	4.11	4.23	4.35	4.33	4.36	4.43	4.47	0.4%
Gulf Coast	3.66	3.66	3.63	3.63	3.63	3.64	3.69	3.81	3.87	3.88	3.95	4.06	4.13	-0.5%
Midcontinent	3.60	3.61	3.63	3.67	3.66	3.65	3.70	3.84	3.86	3.82	3.89	3.96	4.02	-0.1%
Southwest	3.59	3.55	3.56	3.57	3.58	3.57	3.60	3.73	3.74	3.71	3.79	3.88	4.00	-0.3%
Rocky Mountain	2.94	3.18	3.28	3.32	3.31	3.27	3.23	3.28	3.11	3.21	3.32	3.59	3.77	0.0%
West Coast	3.59	3.59	3.69	3.71	3.84	3.99	4.09	4.19	3.82	3.60	3.80	4.19	4.57	-0.7%
Lower 48 Offshore														
Gulf	3.56	3.55	3.57	3.67	3.76	3.62	3.59	3.76	3.87	4.07	4.11	3.79	3.59	-0.2%
Pacific	4.03	4.08	4.20	4.14	4.23	4.37	4.31	4.35	3.84	3.60	3.78	4.23	4.55	-0.1%
Atlantic	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

Table 102. Lower Natural Gas Production and Wellhead Prices by Supply Region

1/ Marketed production (wet) minus extraction losses.
N/A = Not applicable.
Note: Supply regions are defined in "Documentation of the Oil and Gas Supply Module," Energy Information Administration, DOE/EIA-MO63(2001) (Washington, DC, March 2002). Totals may not equal sum of components due to independent rounding.
Source: 2000: Mineral Management Service, and Energy Information Administration (EIA), Natural Gas Annual 2000, DOE/EIA-0131(2000) (Washington, DC, November 2001); EIA, U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Report 2000, DOE/EIA-0216(2000) (Washington, DC, December 2001); and EIA, Office of Integrated Analysis and Forecasting (OIAF). 2001: EIA, Natural Gas Monthly, DOE/EIA-0130(2002/08) (Washington, DC, August 2002) and EIA, OIAF. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 103. Oil and Gas End-of-Year Reserves and Annual Reserve Additions

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Lower 48 Reserves													
Crude Oil (billion barrels) 1/	18.66	19.48	19.22	19.14	18.79	19.03	19.14	18.89	18.57	18.14	17.79	17.46	17.02
Onshore	13.99	13.88	13.67	13.54	13.23	12.96	12.74	12.53	12.33	12.14	11.97	11.80	11.62
Offshore	4.67	5.61	5.55	5.60	5.57	6.07	6.40	6.37	6.24	5.99	5.82	5.66	5.40
Dry Natural Gas (trillion cubic feet)	168.2	174.0	173.2	174.4	174.7	175.9	175.9	176.4	176.7	177.0	178.4	180.1	181.8
Onshore	137.4	141.8	142.1	143.5	144.2	144.5	144.7	145.5	146.1	146.8	147.7	149.1	151.1
Associated-Dissolved 2/	14.6	14.3	14.1	14.0	13.9	13.8	13.7	13.6	13.5	13.4	13.3	13.3	13.2
Non-Associated	122.8	127.5	128.0	129.5	130.3	130.7	131.0	132.0	132.6	133.4	134.3	135.8	137.8
Conventional	58.4	58.6	58.6	59.4	60.2	60.8	61.3	62.7	63.3	63.6	63.7	63.8	63.8
Unconventional	64.4	68.9	69.5	70.1	70.1	69.9	69.7	69.3	69.3	69.8	70.6	72.0	74.0
Offshore	30.8	32.3	31.0	30.9	30.5	31.4	31.3	30.9	30.6	30.2	30.7	31.0	30.7
Associated-Dissolved 2/	7.0	7.4	7.0	6.8	6.6	7.0	7.2	7.0	6.8	6.5	6.5	6.4	6.2
Non-Associated	23.7	24.9	24.1	24.1	23.9	24.4	24.1	23.9	23.8	23.7	24.2	24.6	24.5
Lower 48 Reserve Additions													
Crude Oil (billion barrels) 1/	2.17	2.59	1.52	1.67	1.38	1.96	2.00	1.69	1.58	1.44	1.47	1.45	1.28
Onshore	1.10	1.03	0.92	0.94	0.73	0.76	0.77	0.76	0.75	0.75	0.74	0.73	0.70
Offshore	1.07	1.56	0.59	0.74	0.65	1.20	1.24	0.92	0.83	0.69	0.73	0.71	0.58
Dry Natural Gas (trillion cubic feet)	29.1	24.9	18.1	20.8	20.0	20.9	20.0	20.6	20.9	21.3	22.8	23.6	24.1
Onshore	23.2	18.1	13.8	15.8	15.5	15.2	15.0	15.8	16.1	16.6	17.2	18.1	19.0
Associated-Dissolved 2/	0.8	1.4	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3
Non-Associated	22.5	16.7	12.3	14.3	14.1	13.8	13.6	14.5	14.8	15.3	15.9	16.8	17.7
Conventional	6.5	6.8	6.1	7.6	7.8	7.6	7.6	8.5	8.2	8.1	8.1	8.2	8.2
Unconventional	15.9	9.8	6.2	6.7	6.3	6.2	6.1	5.9	6.6	7.1	7.7	8.6	9.6
Offshore	5.8	6.8	4.3	5.0	4.5	5.8	5.0	4.8	4.8	4.7	5.6	5.5	5.1
Associated-Dissolved 2/	1.0	1.4	0.7	0.7	0.6	1.3	1.0	0.7	0.6	0.5	0.7	0.7	0.6
Non-Associated	4.9	5.4	3.6	4.3	3.9	4.5	3.9	4.0	4.2	4.2	4.9	4.8	4.5

Table 103. Oil and Gas End-of-Year Reserves and Annual Reserve Additions

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Lower 48 Reserves														
Crude Oil (billion barrels) 1/	16.70	16.46	16.23	16.03	15.92	15.99	15.85	15.64	15.68	15.55	15.46	15.37	15.31	-1.0%
Onshore	11.46	11.30	11.15	11.00	10.86	10.72	10.58	10.45	10.32	10.20	10.08	9.96	9.85	-1.4%
Offshore	5.24	5.16	5.09	5.03	5.06	5.27	5.27	5.19	5.35	5.35	5.38	5.41	5.46	-0.1%
Dry Natural Gas (trillion cubic feet)	183.4	185.3	186.6	187.6	189.6	191.6	192.9	193.4	193.0	192.3	192.0	191.6	189.9	0.4%
Onshore	152.6	154.4	156.0	157.4	159.1	160.6	161.9	162.7	162.7	162.8	162.3	161.4	160.7	0.5%
Associated-Dissolved 2/	13.2	13.2	13.1	13.1	13.1	13.0	13.0	13.0	12.9	12.9	12.9	12.8	12.8	-0.4%
Non-Associated	139.4	141.2	142.8	144.3	146.0	147.5	148.9	149.7	149.7	149.9	149.4	148.5	147.9	0.6%
Conventional	63.8	63.8	63.8	63.6	63.3	62.9	62.4	61.8	61.3	60.9	60.3	59.5	58.6	0.0%
Unconventional	75.6	77.4	79.1	80.7	82.7	84.6	86.5	87.9	88.4	89.0	89.2	89.0	89.3	1.1%
Offshore	30.8	30.9	30.6	30.2	30.5	31.1	31.0	30.7	30.4	29.5	29.7	30.2	29.1	-0.4%
Associated-Dissolved 2/	6.1	6.0	6.0	5.9	6.0	6.2	6.2	6.1	6.3	6.4	6.3	6.3	6.2	-0.7%
Non-Associated	24.7	24.8	24.6	24.2	24.6	24.9	24.8	24.6	24.1	23.1	23.3	23.9	22.9	-0.3%
Lower 48 Reserve Additions														
Crude Oil (billion barrels) 1/	1.34	1.39	1.36	1.36	1.44	1.60	1.42	1.33	1.56	1.42	1.44	1.44	1.45	-2.4%
Onshore	0.70	0.69	0.68	0.68	0.67	0.66	0.65	0.64	0.64	0.63	0.62	0.61	0.61	-2.2%
Offshore	0.64	0.69	0.68	0.68	0.77	0.94	0.77	0.69	0.92	0.79	0.82	0.83	0.84	-2.5%
Dry Natural Gas (trillion cubic feet)	24.4	24.9	24.6	24.4	25.4	25.8	25.4	25.1	23.7	22.9	23.6	23.7	22.4	-0.4%
Onshore	19.0	19.5	19.5	19.5	19.9	20.0	20.1	19.9	18.7	18.6	18.2	17.8	17.8	-0.1%
Associated-Dissolved 2/	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	-1.0%
Non-Associated	17.7	18.2	18.3	18.3	18.7	18.8	18.9	18.7	17.5	17.4	17.1	16.7	16.7	0.0%
Conventional	8.2	8.2	8.2	8.0	7.9	7.8	7.7	7.6	7.6	7.5	7.3	7.1	6.9	0.0%
Unconventional	9.5	10.0	10.1	10.3	10.7	11.0	11.2	11.1	9.9	9.9	9.8	9.5	9.8	0.0%
Offshore	5.4	5.4	5.1	4.8	5.5	5.8	5.3	5.1	5.0	4.3	5.3	6.0	4.6	-1.6%
Associated-Dissolved 2/	0.6	0.7	0.7	0.7	0.8	0.9	0.8	0.7	0.9	0.9	0.8	0.8	0.8	-2.3%
Non-Associated	4.8	4.7	4.4	4.2	4.8	4.9	4.5	4.4	4.0	3.5	4.5	5.2	3.8	-1.4%

Table 103. Oil and Gas End-of-Year Reserves and Annual Reserve Additions

1/ Includes lease condensate.
2/ Gas which occurs in crude oil reservoirs either as free gas (associated) or as gas in solution with crude oil (dissolved).
Note: Totals may not equal sum of components due to independent rounding.
Source: 2000: Energy Information Administration (EIA), U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, Annual Report 2000, EIA/DOE-0216(2000) (Washington, DC, December 2001) and EIA, Office of Integrated Analysis and Forecasting (OIAF). 2001: EIA, OIAF. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 104. Natural Gas Imports and Exports

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Volumes (trillion cubic feet)													
Total Net Imports	3.54	3.65	3.17	3.32	3.67	3.86	3.98	4.17	4.41	4.62	4.78	4.88	5.01
Pipeline													
Imports from Canada	3.54	3.76	3.47	3.56	3.65	3.73	3.75	3.84	4.01	4.16	4.31	4.40	4.51
Exports to Canada	0.07	0.16	0.17	0.17	0.19	0.22	0.23	0.24	0.25	0.26	0.26	0.26	0.26
Imports from Mexico	0.01	0.01	0.01	0.01	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Exports to Mexico	0.11	0.14	0.27	0.28	0.31	0.31	0.31	0.31	0.31	0.30	0.30	0.29	0.27
Liquefied Natural Gas													
Imports	0.23	0.24	0.20	0.27	0.56	0.68	0.80	0.91	0.99	1.04	1.06	1.06	1.06
Exports	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Border Prices (2001 dollars per thousand cubic feet)													
Average Import Price	4.04	4.43	3.02	3.10	3.04	2.99	2.98	3.03	3.11	3.21	3.33	3.44	3.55
Pipeline Import Prices													
From Canada	4.07	4.43	3.02	3.08	3.04	3.00	3.00	3.04	3.12	3.21	3.32	3.43	3.55
From Mexico	5.56	5.00	3.15	3.33	3.05	3.05	3.05	3.07	3.14	3.30	3.48	3.66	3.79
LNG Price (including regasification)	3.64	4.35	2.99	3.31	3.06	2.97	2.89	2.98	3.07	3.20	3.38	3.48	3.59

Table 104. Natural Gas Imports and Exports

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Volumes (trillion cubic feet)														
Total Net Imports	5.08	5.19	5.27	5.66	5.99	6.19	6.41	6.66	6.87	7.02	7.34	7.62	7.76	3.2%
Pipeline														
Imports from Canada	4.57	4.64	4.68	4.93	5.12	5.17	5.25	5.34	5.30	5.32	5.45	5.58	5.57	1.6%
Exports to Canada	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	2.0%
Imports from Mexico	0.04	0.04	0.04	0.04	0.04	0.04	0.10	0.16	0.22	0.20	0.25	0.30	0.35	15.9%
Exports to Mexico	0.26	0.24	0.22	0.20	0.18	0.15	0.12	0.09	0.06	0.05	0.05	0.05	0.05	-4.5%
Liquefied Natural Gas														
Imports	1.06	1.08	1.10	1.21	1.33	1.45	1.51	1.57	1.72	1.87	2.02	2.11	2.20	9.7%
Exports	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	N/A
Border Prices (2001 dollars per thousand cubic feet)														
Average Import Price	3.65	3.73	3.77	3.80	3.73	3.74	3.76	3.81	3.78	3.82	3.92	4.05	4.19	-0.2%
Pipeline Import Prices														
From Canada	3.65	3.73	3.79	3.80	3.71	3.72	3.75	3.78	3.71	3.73	3.83	4.01	4.21	-0.2%
From Mexico	3.85	3.84	3.82	3.83	3.83	3.82	4.01	4.15	3.86	3.64	3.89	4.21	4.44	-0.5%
LNG Price (including regasification)	3.68	3.70	3.70	3.77	3.80	3.77	3.80	3.93	4.00	4.07	4.15	4.16	4.16	-0.2%

Table 104. Natural Gas Imports and Exports

LNG = Liquefied natural gas.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2000 and 2001 may differ slightly from official EIA data reports due to internal conversion factors within the AEO2003 National Energy Modeling System.
Sources: 2000 and 2001: Energy Information Administration (EIA), Natural Gas Monthly, DOE/EIA-0130(2002/08) (Washington, DC, August 2002) and EIA, Office of Integrated Analysis and Forecasting. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 105. Natural Gas Consumption by End-Use Sector and Census Division
(Trillion Cubic Feet per Year)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential													
New England	0.18	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
Middle Atlantic	0.85	0.81	0.81	0.86	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
East North Central	1.46	1.39	1.42	1.51	1.53	1.53	1.55	1.56	1.57	1.57	1.57	1.57	1.58
West North Central	0.45	0.43	0.44	0.47	0.47	0.47	0.48	0.48	0.48	0.48	0.49	0.49	0.49
South Atlantic	0.47	0.45	0.46	0.50	0.51	0.52	0.54	0.55	0.56	0.57	0.59	0.60	0.61
East South Central	0.20	0.19	0.19	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.20	0.20
West South Central	0.40	0.40	0.41	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44
Mountain	0.33	0.34	0.35	0.37	0.39	0.40	0.41	0.42	0.42	0.43	0.44	0.45	0.46
Pacific	0.64	0.64	0.66	0.68	0.70	0.70	0.70	0.71	0.72	0.72	0.73	0.74	0.74
Total	4.98	4.81	4.91	5.18	5.27	5.30	5.36	5.41	5.46	5.47	5.50	5.54	5.59
Commercial													
New England	0.11	0.12	0.11	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14
Middle Atlantic	0.44	0.43	0.42	0.44	0.45	0.45	0.46	0.46	0.47	0.47	0.47	0.47	0.48
East North Central	0.79	0.78	0.78	0.82	0.84	0.85	0.86	0.86	0.86	0.85	0.85	0.85	0.85
West North Central	0.33	0.33	0.33	0.35	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.37
South Atlantic	0.40	0.40	0.39	0.42	0.43	0.44	0.46	0.47	0.47	0.48	0.49	0.50	0.51
East South Central	0.26	0.26	0.26	0.27	0.28	0.28	0.29	0.29	0.30	0.30	0.30	0.31	0.31
West South Central	0.29	0.30	0.30	0.31	0.32	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.35
Mountain	0.23	0.24	0.24	0.25	0.26	0.27	0.27	0.27	0.28	0.29	0.29	0.30	0.31
Pacific	0.37	0.39	0.39	0.40	0.41	0.41	0.42	0.42	0.43	0.43	0.44	0.44	0.45
Total	3.21	3.24	3.23	3.38	3.47	3.52	3.57	3.61	3.64	3.67	3.69	3.73	3.76
Industrial 1/													
New England	0.24	0.22	0.23	0.24	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.28	0.28
Middle Atlantic	0.70	0.62	0.66	0.68	0.73	0.73	0.75	0.77	0.78	0.80	0.82	0.83	0.83
East North Central	1.27	1.14	1.20	1.22	1.29	1.30	1.33	1.35	1.36	1.38	1.42	1.46	1.48
West North Central	0.39	0.35	0.37	0.37	0.40	0.40	0.41	0.41	0.42	0.43	0.44	0.45	0.45
South Atlantic	0.66	0.61	0.65	0.65	0.67	0.67	0.68	0.69	0.70	0.71	0.72	0.74	0.75
East South Central	0.51	0.47	0.50	0.50	0.51	0.51	0.52	0.53	0.53	0.54	0.56	0.57	0.58
West South Central	2.89	2.66	2.81	2.84	2.76	2.77	2.84	2.88	2.90	2.96	3.04	3.13	3.18
Mountain	0.27	0.25	0.27	0.28	0.28	0.28	0.28	0.29	0.29	0.30	0.30	0.31	0.32
Pacific	1.32	1.21	1.30	1.32	1.21	1.21	1.23	1.25	1.26	1.28	1.31	1.33	1.36
Total	8.25	7.53	8.00	8.10	8.08	8.13	8.29	8.42	8.50	8.66	8.88	9.09	9.23
Electric Generators 2/													
New England	0.20	0.28	0.38	0.39	0.37	0.36	0.36	0.36	0.37	0.40	0.40	0.41	0.41
Middle Atlantic	0.53	0.53	0.46	0.50	0.53	0.55	0.55	0.58	0.63	0.66	0.68	0.72	0.75
East North Central	0.23	0.22	0.46	0.47	0.53	0.54	0.55	0.54	0.61	0.70	0.71	0.77	0.80
West North Central	0.09	0.08	0.09	0.09	0.08	0.06	0.07	0.05	0.07	0.07	0.07	0.08	0.08
South Atlantic	0.51	0.51	0.56	0.54	0.59	0.60	0.62	0.61	0.64	0.63	0.61	0.59	0.63
East South Central	0.15	0.22	0.30	0.37	0.39	0.33	0.34	0.37	0.46	0.56	0.67	0.79	0.85
West South Central	2.10	1.89	1.53	1.62	1.66	1.64	1.66	1.67	1.80	1.82	1.79	1.84	1.89
Mountain	0.34	0.41	0.41	0.51	0.52	0.51	0.48	0.39	0.43	0.41	0.42	0.40	0.43
Pacific	1.07	1.16	1.07	0.94	1.03	1.10	1.13	1.18	1.28	1.36	1.44	1.51	1.62
Total	5.23	5.30	5.27	5.44	5.71	5.69	5.76	5.76	6.31	6.60	6.80	7.10	7.46
Transportation 3/													
New England	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
Middle Atlantic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
East North Central	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Table 105. Natural Gas Consumption by End-Use Sector and Census Division
(Trillion Cubic Feet per Year)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
West North Central	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
South Atlantic	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
East South Central	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
West South Central	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
Mountain	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
Pacific	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total	0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07
All Sectors 4/													
New England	0.73	0.78	0.89	0.93	0.92	0.91	0.92	0.93	0.95	0.98	0.99	1.01	1.02
Middle Atlantic	2.52	2.38	2.35	2.48	2.58	2.61	2.63	2.69	2.76	2.81	2.85	2.90	2.93
East North Central	3.75	3.54	3.87	4.03	4.20	4.23	4.29	4.31	4.41	4.51	4.57	4.66	4.72
West North Central	1.26	1.20	1.23	1.28	1.31	1.30	1.32	1.32	1.34	1.36	1.37	1.39	1.40
South Atlantic	2.04	1.96	2.07	2.12	2.21	2.24	2.30	2.32	2.39	2.40	2.43	2.44	2.51
East South Central	1.13	1.14	1.25	1.35	1.38	1.33	1.36	1.40	1.50	1.61	1.74	1.87	1.94
West South Central	5.69	5.26	5.06	5.19	5.17	5.17	5.28	5.33	5.48	5.55	5.62	5.76	5.87
Mountain	1.18	1.24	1.28	1.41	1.45	1.45	1.44	1.37	1.43	1.43	1.46	1.47	1.52
Pacific	3.40	3.39	3.41	3.34	3.34	3.42	3.48	3.56	3.69	3.80	3.92	4.03	4.18
Total	21.68	20.89	21.42	22.12	22.56	22.67	23.02	23.24	23.95	24.45	24.94	25.52	26.11

Table 105. Natural Gas Consumption by End-Use Sector and Census Division
(Trillion Cubic Feet per Year)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential														
New England	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.6%
Middle Atlantic	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.89	0.89	0.90	0.90	0.91	0.91	0.5%
East North Central	1.58	1.59	1.60	1.61	1.61	1.62	1.64	1.65	1.66	1.67	1.68	1.70	1.70	0.8%
West North Central	0.49	0.49	0.50	0.50	0.50	0.51	0.51	0.52	0.52	0.52	0.53	0.53	0.54	0.9%
South Atlantic	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.70	0.71	0.72	0.73	0.74	0.75	2.2%
East South Central	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.20	0.20	0.20	0.21	0.21	0.4%
West South Central	0.44	0.44	0.45	0.45	0.45	0.46	0.47	0.47	0.48	0.48	0.49	0.50	0.50	0.9%
Mountain	0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.58	2.3%
Pacific	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.84	1.2%
Total	5.62	5.65	5.69	5.75	5.78	5.83	5.89	5.96	6.00	6.06	6.12	6.19	6.22	1.1%
Commercial														
New England	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.17	1.6%
Middle Atlantic	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.7%
East North Central	0.85	0.85	0.86	0.86	0.87	0.87	0.88	0.89	0.90	0.91	0.91	0.92	0.93	0.7%
West North Central	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.40	0.40	0.40	0.40	0.40	0.40	0.7%
South Atlantic	0.53	0.54	0.55	0.56	0.58	0.59	0.61	0.62	0.63	0.65	0.66	0.67	0.69	2.3%
East South Central	0.31	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.35	0.35	1.3%
West South Central	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.38	0.38	1.0%
Mountain	0.32	0.32	0.33	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.40	0.41	2.3%
Pacific	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.54	0.55	0.56	0.58	0.59	0.60	1.8%
Total	3.81	3.85	3.89	3.94	3.99	4.05	4.11	4.17	4.23	4.28	4.34	4.38	4.43	1.3%
Industrial 1/														
New England	0.29	0.29	0.29	0.30	0.30	0.31	0.32	0.32	0.33	0.33	0.34	0.35	0.36	2.1%
Middle Atlantic	0.80	0.82	0.83	0.84	0.85	0.86	0.86	0.88	0.90	0.92	0.94	0.96	0.97	1.9%
East North Central	1.50	1.51	1.52	1.53	1.55	1.57	1.59	1.61	1.63	1.66	1.68	1.70	1.72	1.7%
West North Central	0.46	0.46	0.47	0.47	0.48	0.48	0.49	0.49	0.50	0.51	0.52	0.52	0.53	1.7%
South Atlantic	0.76	0.77	0.77	0.78	0.79	0.80	0.82	0.83	0.84	0.85	0.86	0.88	0.89	1.6%
East South Central	0.59	0.59	0.60	0.60	0.61	0.62	0.63	0.64	0.64	0.65	0.66	0.67	0.68	1.6%
West South Central	3.22	3.25	3.29	3.31	3.34	3.38	3.43	3.47	3.52	3.57	3.62	3.67	3.72	1.4%
Mountain	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.38	1.7%
Pacific	1.37	1.39	1.41	1.42	1.44	1.47	1.49	1.52	1.54	1.57	1.60	1.63	1.65	1.3%
Total	9.30	9.41	9.53	9.59	9.69	9.83	9.98	10.10	10.25	10.42	10.58	10.76	10.91	1.6%
Electric Generators 2/														
New England	0.41	0.42	0.42	0.42	0.43	0.44	0.44	0.43	0.44	0.47	0.47	0.48	0.49	2.4%
Middle Atlantic	0.77	0.80	0.84	0.87	0.89	0.92	0.96	1.01	1.04	1.09	1.13	1.15	1.17	3.3%
East North Central	0.84	0.85	0.91	0.95	1.02	1.07	1.16	1.21	1.33	1.39	1.48	1.47	1.53	8.4%
West North Central	0.09	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.09	0.07	-0.3%
South Atlantic	0.65	0.70	0.73	0.77	0.79	0.83	0.85	0.89	0.92	0.95	0.96	1.02	1.04	3.0%
East South Central	0.89	0.96	0.94	0.96	0.96	1.00	1.01	1.05	1.08	1.07	1.07	1.14	1.12	7.0%
West South Central	1.93	1.93	1.97	2.01	2.04	2.10	2.14	2.19	2.21	2.26	2.29	2.39	2.35	0.9%
Mountain	0.40	0.39	0.32	0.34	0.31	0.32	0.29	0.31	0.37	0.39	0.38	0.39	0.37	-0.4%
Pacific	1.69	1.75	1.80	1.88	1.93	2.02	2.11	2.20	2.21	2.32	2.35	2.41	2.43	3.1%
Total	7.68	7.90	8.01	8.28	8.45	8.78	9.07	9.39	9.71	10.04	10.24	10.53	10.56	2.9%
Transportation 3/														
New England	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	11.4%
Middle Atlantic	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	9.3%
East North Central	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	9.2%

Table 105. Natural Gas Consumption by End-Use Sector and Census Division
(Trillion Cubic Feet per Year)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
West North Central	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	10.9%
South Atlantic	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	10.1%
East South Central	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	11.2%
West South Central	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	10.8%
Mountain	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	12.9%
Pacific	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	10.1%
Total	0.07	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	0.11	10.4%
All Sectors 4/														
New England	1.03	1.04	1.05	1.06	1.07	1.09	1.10	1.10	1.12	1.16	1.18	1.19	1.22	1.9%
Middle Atlantic	2.93	2.98	3.03	3.08	3.11	3.16	3.22	3.28	3.34	3.41	3.48	3.53	3.56	1.7%
East North Central	4.78	4.82	4.90	4.96	5.05	5.15	5.28	5.37	5.53	5.63	5.77	5.80	5.90	2.1%
West North Central	1.42	1.42	1.43	1.44	1.45	1.47	1.49	1.50	1.52	1.54	1.55	1.56	1.55	1.1%
South Atlantic	2.57	2.65	2.71	2.78	2.83	2.91	2.98	3.05	3.12	3.18	3.23	3.33	3.40	2.3%
East South Central	1.99	2.08	2.07	2.10	2.11	2.16	2.19	2.24	2.29	2.29	2.30	2.38	2.37	3.1%
West South Central	5.95	5.98	6.07	6.14	6.20	6.31	6.42	6.51	6.59	6.70	6.78	6.95	6.97	1.2%
Mountain	1.52	1.52	1.48	1.51	1.50	1.54	1.54	1.58	1.66	1.71	1.72	1.76	1.76	1.5%
Pacific	4.29	4.39	4.47	4.58	4.67	4.80	4.93	5.07	5.12	5.28	5.36	5.47	5.53	2.1%
Total	26.47	26.88	27.21	27.65	28.01	28.59	29.14	29.71	30.29	30.91	31.37	31.97	32.24	1.8%

Table 105. Natural Gas Consumption by End-Use Sector and Census Division
(Trillion Cubic Feet per Year)

1/ Includes consumption for combined heat and power, which produces electricity and other useful thermal energy. Excludes lease and plant fuel.
2/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
3/ Compressed natural gas used as a vehicle fuel.
4/ Excludes lease and plant fuel and natural gas used for pipeline compressor station fuel.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2001 may differ slightly from official EIA data reports due to internal conversion factors in the AEO2003 National Energy Modeling System.
Sources: 2000 and 2001 electric utility fuel consumption: Energy Information Administration (EIA), Electric Power Annual 2000, Volume I, DOE/EIA-0348(2000)/1 (Washington, DC, August 2001). 2000 and 2001 nonutility consumption estimates: EIA, Form EIA-860 "Annual Electric Generator Report" (preliminary). Other 2000 values: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c. Other 2001 values: Short-Term Energy Outlook, September 2002, http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/sep02.pdf. Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 106. Natural Gas Delivered Prices by End-Use Sector and Census Division
(2001 Dollars per Thousand Cubic Feet)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Residential													
New England	10.46	12.94	10.11	10.23	9.98	9.81	9.72	9.71	9.74	9.82	9.90	9.98	10.05
Middle Atlantic	9.02	10.70	9.20	9.41	9.13	8.98	8.87	8.89	8.94	9.01	9.12	9.20	9.27
East North Central	6.95	8.30	6.54	6.89	6.69	6.58	6.48	6.50	6.55	6.63	6.74	6.80	6.87
West North Central	7.60	9.37	6.94	7.18	7.04	6.96	6.89	6.92	6.96	7.03	7.11	7.17	7.22
South Atlantic	9.49	11.27	8.69	9.04	8.69	8.53	8.39	8.41	8.44	8.50	8.63	8.69	8.75
East South Central	8.03	10.52	7.56	8.00	7.69	7.61	7.52	7.58	7.63	7.73	7.89	7.96	8.05
West South Central	7.71	9.50	7.10	7.57	7.24	7.17	7.07	7.13	7.19	7.28	7.44	7.51	7.60
Mountain	6.70	8.59	6.49	6.52	6.44	6.46	6.41	6.44	6.63	6.66	6.65	6.61	6.53
Pacific	8.17	10.04	7.13	7.40	7.46	7.56	7.54	7.54	7.72	7.78	7.81	7.80	7.77
Average	7.97	9.68	7.50	7.79	7.59	7.52	7.43	7.45	7.52	7.59	7.68	7.73	7.77
Commercial													
New England	8.00	10.25	7.66	7.68	7.47	7.34	7.29	7.32	7.40	7.51	7.64	7.73	7.83
Middle Atlantic	7.52	8.59	6.61	6.74	6.49	6.37	6.31	6.37	6.47	6.58	6.73	6.82	6.91
East North Central	6.34	7.82	5.92	6.11	5.95	5.88	5.82	5.88	5.97	6.09	6.23	6.30	6.37
West North Central	6.50	8.12	5.80	5.90	5.79	5.75	5.72	5.78	5.87	5.97	6.10	6.17	6.23
South Atlantic	7.79	9.51	7.04	7.29	7.01	6.90	6.83	6.91	7.00	7.11	7.29	7.38	7.46
East South Central	7.05	9.23	6.50	6.79	6.51	6.46	6.40	6.50	6.59	6.72	6.92	6.99	7.08
West South Central	6.09	8.07	5.47	5.77	5.49	5.44	5.38	5.49	5.59	5.72	5.92	6.00	6.11
Mountain	5.63	7.41	5.36	5.28	5.28	5.36	5.36	5.45	5.69	5.77	5.81	5.79	5.73
Pacific	7.05	7.56	6.35	6.41	6.47	6.58	6.61	6.65	6.86	6.95	7.03	7.03	7.02
Average	6.82	8.32	6.21	6.37	6.20	6.16	6.12	6.19	6.31	6.42	6.56	6.62	6.69
Industrial 1/													
New England	5.59	5.95	4.47	4.62	4.40	4.25	4.19	4.22	4.29	4.40	4.52	4.63	4.75
Middle Atlantic	5.75	6.12	4.71	4.97	4.70	4.57	4.49	4.55	4.63	4.74	4.88	4.99	5.09
East North Central	4.61	4.74	3.78	4.11	3.92	3.83	3.75	3.81	3.89	4.00	4.13	4.21	4.29
West North Central	5.37	5.54	4.16	4.37	4.23	4.16	4.11	4.16	4.24	4.33	4.44	4.52	4.59
South Atlantic	4.58	4.85	3.43	3.84	3.55	3.43	3.34	3.42	3.52	3.63	3.81	3.92	4.04
East South Central	4.47	4.77	3.21	3.63	3.35	3.28	3.20	3.30	3.39	3.52	3.70	3.80	3.91
West South Central	4.42	4.72	3.14	3.56	3.31	3.24	3.15	3.25	3.34	3.48	3.65	3.75	3.86
Mountain	4.24	4.57	3.69	3.67	3.63	3.67	3.65	3.73	3.96	4.02	4.04	4.04	3.99
Pacific	5.03	5.24	3.11	3.33	3.53	3.63	3.64	3.68	3.89	3.98	4.06	4.08	4.09
Average	4.75	5.00	3.49	3.82	3.68	3.62	3.55	3.63	3.74	3.85	4.00	4.07	4.16
Electric Generators 2/													
New England	4.58	3.57	3.25	3.46	3.32	3.25	3.27	3.38	3.54	3.70	3.84	3.96	4.08
Middle Atlantic	4.73	4.23	3.42	3.69	3.48	3.37	3.31	3.40	3.53	3.67	3.85	3.97	4.09
East North Central	3.61	4.28	2.84	3.17	3.02	2.95	2.88	2.95	3.07	3.23	3.38	3.49	3.58
West North Central	4.45	4.34	3.31	3.52	3.37	3.31	3.27	3.28	3.45	3.57	3.70	3.80	3.89
South Atlantic	4.62	4.73	3.46	3.92	3.70	3.61	3.55	3.63	3.76	3.89	4.09	4.18	4.33
East South Central	4.27	3.98	3.19	3.65	3.41	3.28	3.23	3.36	3.53	3.74	4.00	4.15	4.28
West South Central	4.43	4.29	3.05	3.47	3.21	3.16	3.10	3.22	3.35	3.51	3.71	3.81	3.94
Mountain	4.70	5.42	2.96	3.37	3.52	3.66	3.68	3.70	4.02	4.10	4.19	4.17	4.15
Pacific	4.64	6.61	3.08	3.28	3.37	3.50	3.52	3.57	3.81	3.93	4.06	4.10	4.15
Average	4.51	4.87	3.13	3.48	3.35	3.33	3.30	3.38	3.55	3.69	3.86	3.95	4.05
Transportation 3/													
New England	7.62	8.35	6.73	6.93	6.71	6.58	6.65	6.81	7.00	7.20	7.40	7.57	7.74
Middle Atlantic	8.21	8.63	7.37	7.66	7.37	7.23	7.32	7.54	7.77	7.99	8.21	8.38	8.53

Table 106. Natural Gas Delivered Prices by End-Use Sector and Census Division
(2001 Dollars per Thousand Cubic Feet)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
East North Central	7.95	8.48	7.42	7.76	7.56	7.44	7.48	7.64	7.82	8.01	8.19	8.31	8.42
West North Central	6.84	7.44	6.25	6.50	6.35	6.27	6.38	6.58	6.80	7.00	7.20	7.34	7.46
South Atlantic	6.69	7.66	6.00	6.47	6.17	6.06	6.12	6.33	6.55	6.77	7.02	7.18	7.36
East South Central	8.41	9.26	7.56	7.99	7.68	7.60	7.59	7.76	7.91	8.09	8.31	8.43	8.56
West South Central	3.67	4.79	3.14	3.68	3.37	3.33	3.55	3.93	4.28	4.62	4.97	5.20	5.43
Mountain	5.81	6.17	5.00	5.30	5.36	5.49	5.67	5.90	6.31	6.52	6.67	6.74	6.78
Pacific	7.11	9.20	5.92	6.26	6.35	6.49	6.67	6.86	7.24	7.45	7.61	7.68	7.72
Average	6.95	7.87	6.17	6.54	6.35	6.29	6.39	6.60	6.85	7.07	7.28	7.41	7.54
All Sectors 4/													
New England	6.86	7.25	5.43	5.62	5.48	5.40	5.37	5.42	5.50	5.56	5.69	5.78	5.87
Middle Atlantic	6.95	7.70	6.34	6.57	6.26	6.10	6.02	6.03	6.06	6.13	6.24	6.31	6.39
East North Central	5.82	6.79	5.12	5.45	5.23	5.13	5.04	5.09	5.14	5.20	5.31	5.36	5.42
West North Central	6.40	7.56	5.54	5.74	5.62	5.59	5.52	5.59	5.63	5.70	5.80	5.86	5.91
South Atlantic	6.35	7.23	5.31	5.77	5.47	5.37	5.28	5.37	5.46	5.58	5.77	5.89	5.98
East South Central	5.68	6.59	4.56	4.93	4.66	4.63	4.55	4.63	4.67	4.75	4.90	4.95	5.04
West South Central	4.75	5.13	3.58	4.00	3.74	3.69	3.60	3.70	3.80	3.93	4.11	4.20	4.31
Mountain	5.35	6.50	4.55	4.61	4.65	4.75	4.77	4.90	5.12	5.21	5.24	5.24	5.18
Pacific	5.73	6.89	4.25	4.52	4.66	4.75	4.76	4.78	4.97	5.04	5.11	5.11	5.10
Average	5.74	6.57	4.74	5.07	4.91	4.86	4.80	4.86	4.95	5.04	5.17	5.22	5.28

Table 106. Natural Gas Delivered Prices by End-Use Sector and Census Division
(2001 Dollars per Thousand Cubic Feet)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Residential														
New England	10.11	10.13	10.12	10.17	10.09	10.07	10.07	10.09	10.01	9.99	10.07	10.22	10.38	-0.9%
Middle Atlantic	9.32	9.35	9.37	9.39	9.36	9.33	9.34	9.43	9.42	9.45	9.51	9.58	9.64	-0.4%
East North Central	6.92	6.97	7.00	7.03	7.03	6.99	7.00	7.09	7.08	7.11	7.20	7.29	7.36	-0.5%
West North Central	7.26	7.35	7.40	7.43	7.40	7.38	7.38	7.44	7.38	7.42	7.52	7.68	7.82	-0.8%
South Atlantic	8.79	8.77	8.75	8.77	8.78	8.71	8.72	8.84	8.88	8.90	8.95	8.91	8.86	-1.0%
East South Central	8.13	8.12	8.12	8.16	8.19	8.12	8.14	8.28	8.34	8.39	8.45	8.41	8.38	-0.9%
West South Central	7.68	7.65	7.65	7.68	7.70	7.63	7.64	7.77	7.82	7.87	7.92	7.86	7.82	-0.8%
Mountain	6.46	6.74	6.87	6.94	6.92	6.88	6.89	6.98	6.87	6.93	7.05	7.30	7.46	-0.6%
Pacific	7.68	7.82	7.89	7.91	7.87	7.86	7.82	7.85	7.72	7.83	7.90	8.12	8.31	-0.8%
Average	7.80	7.86	7.90	7.93	7.91	7.87	7.87	7.96	7.93	7.97	8.05	8.14	8.22	-0.7%
Commercial														
New England	7.89	7.92	7.92	7.97	7.89	7.88	7.88	7.91	7.84	7.83	7.91	8.07	8.24	-0.9%
Middle Atlantic	6.98	7.01	7.04	7.06	7.04	7.01	7.03	7.13	7.13	7.16	7.24	7.32	7.39	-0.6%
East North Central	6.43	6.49	6.52	6.55	6.55	6.51	6.53	6.62	6.61	6.65	6.74	6.83	6.91	-0.5%
West North Central	6.27	6.37	6.42	6.45	6.43	6.41	6.42	6.49	6.43	6.47	6.58	6.75	6.89	-0.7%
South Atlantic	7.53	7.52	7.52	7.55	7.56	7.50	7.52	7.66	7.71	7.75	7.80	7.78	7.74	-0.9%
East South Central	7.16	7.15	7.14	7.18	7.21	7.14	7.16	7.30	7.36	7.41	7.47	7.43	7.40	-0.9%
West South Central	6.20	6.18	6.18	6.22	6.25	6.19	6.20	6.35	6.41	6.47	6.53	6.49	6.46	-0.9%
Mountain	5.67	5.95	6.08	6.15	6.14	6.11	6.13	6.23	6.11	6.17	6.29	6.56	6.73	-0.4%
Pacific	6.95	7.08	7.15	7.18	7.14	7.14	7.11	7.15	7.04	7.15	7.22	7.44	7.62	0.0%
Average	6.73	6.79	6.83	6.87	6.86	6.83	6.84	6.94	6.92	6.97	7.05	7.15	7.22	-0.6%
Industrial 1/														
New England	4.82	4.86	4.87	4.93	4.85	4.83	4.84	4.88	4.82	4.82	4.90	5.05	5.22	-0.5%
Middle Atlantic	5.18	5.23	5.26	5.28	5.26	5.24	5.26	5.36	5.37	5.40	5.48	5.56	5.63	-0.3%
East North Central	4.36	4.42	4.45	4.48	4.48	4.46	4.47	4.58	4.57	4.61	4.69	4.79	4.87	0.1%
West North Central	4.64	4.74	4.79	4.83	4.80	4.79	4.81	4.89	4.82	4.86	4.96	5.13	5.26	-0.2%
South Atlantic	4.12	4.14	4.14	4.18	4.19	4.15	4.18	4.33	4.39	4.44	4.50	4.48	4.46	-0.3%
East South Central	4.00	4.00	4.00	4.04	4.07	4.02	4.04	4.19	4.26	4.32	4.38	4.35	4.33	-0.4%
West South Central	3.96	3.96	3.96	4.00	4.02	3.98	4.00	4.15	4.22	4.29	4.35	4.31	4.29	-0.4%
Mountain	3.94	4.24	4.39	4.47	4.46	4.44	4.49	4.64	4.52	4.57	4.69	4.98	5.14	0.5%
Pacific	4.03	4.17	4.25	4.29	4.27	4.28	4.26	4.32	4.21	4.33	4.40	4.63	4.82	-0.3%
Average	4.21	4.27	4.29	4.33	4.34	4.31	4.33	4.44	4.45	4.51	4.58	4.65	4.70	-0.3%
Electric Generators 2/														
New England	4.16	4.21	4.21	4.27	4.20	4.19	4.21	4.25	4.20	4.21	4.29	4.45	4.63	1.1%
Middle Atlantic	4.18	4.24	4.28	4.32	4.30	4.29	4.33	4.44	4.46	4.51	4.59	4.68	4.76	0.5%
East North Central	3.66	3.72	3.77	3.81	3.83	3.83	3.88	4.00	4.02	4.07	4.18	4.29	4.37	0.1%
West North Central	4.01	4.11	4.14	4.19	4.15	4.15	4.18	4.27	4.20	4.23	4.32	4.49	4.61	0.3%
South Atlantic	4.44	4.48	4.49	4.52	4.53	4.50	4.54	4.70	4.78	4.84	4.90	4.86	4.83	0.1%
East South Central	4.39	4.41	4.40	4.44	4.46	4.42	4.44	4.60	4.69	4.75	4.80	4.77	4.75	0.7%
West South Central	4.05	4.05	4.05	4.09	4.12	4.08	4.10	4.26	4.33	4.40	4.46	4.43	4.41	0.1%
Mountain	4.04	4.28	4.38	4.42	4.39	4.43	4.41	4.55	4.34	4.37	4.48	4.78	4.95	-0.4%
Pacific	4.14	4.28	4.36	4.42	4.37	4.39	4.38	4.45	4.36	4.51	4.60	4.83	5.02	-1.1%
Average	4.12	4.19	4.21	4.26	4.25	4.24	4.26	4.38	4.38	4.46	4.53	4.62	4.69	-0.2%
Transportation 3/														
New England	7.86	7.94	7.97	8.06	8.01	8.02	8.05	8.12	8.08	8.11	8.21	8.39	8.57	0.1%
Middle Atlantic	8.65	8.72	8.76	8.79	8.76	8.75	8.78	8.88	8.89	8.93	9.01	9.09	9.16	0.2%

Table 106. Natural Gas Delivered Prices by End-Use Sector and Census Division
(2001 Dollars per Thousand Cubic Feet)

East North Central	8.51	8.57	8.61	8.64	8.63	8.59	8.61	8.70	8.69	8.72	8.80	8.88	8.95	0.2%
West North Central	7.56	7.69	7.76	7.81	7.80	7.80	7.83	7.92	7.87	7.92	8.03	8.20	8.34	0.5%
South Atlantic	7.48	7.53	7.56	7.61	7.63	7.61	7.65	7.81	7.89	7.96	8.03	8.02	8.00	0.2%
East South Central	8.66	8.66	8.66	8.69	8.70	8.64	8.66	8.80	8.86	8.91	8.97	8.92	8.89	-0.2%
West South Central	5.63	5.70	5.76	5.84	5.91	5.90	5.96	6.15	6.26	6.37	6.46	6.46	6.46	1.2%
Mountain	6.75	7.03	7.20	7.27	7.28	7.32	7.36	7.50	7.34	7.39	7.53	7.84	8.03	1.1%
Pacific	7.68	7.88	7.99	8.05	8.04	8.07	8.05	8.14	8.02	8.15	8.23	8.50	8.71	-0.2%
Average	7.62	7.72	7.78	7.83	7.83	7.82	7.84	7.97	7.95	8.02	8.10	8.21	8.30	0.2%
All Sectors 4/														
New England	5.94	5.96	5.97	6.03	5.94	5.92	5.93	5.99	5.91	5.88	5.96	6.11	6.26	-0.6%
Middle Atlantic	6.46	6.48	6.48	6.48	6.44	6.40	6.40	6.47	6.45	6.46	6.51	6.58	6.64	-0.6%
East North Central	5.47	5.51	5.53	5.55	5.53	5.49	5.48	5.57	5.53	5.56	5.63	5.73	5.80	-0.7%
West North Central	5.95	6.05	6.10	6.14	6.11	6.09	6.10	6.16	6.09	6.12	6.23	6.39	6.55	-0.6%
South Atlantic	6.05	6.04	6.04	6.06	6.07	6.01	6.03	6.17	6.22	6.27	6.32	6.28	6.25	-0.6%
East South Central	5.12	5.10	5.11	5.14	5.16	5.11	5.12	5.26	5.33	5.39	5.44	5.39	5.37	-0.8%
West South Central	4.41	4.40	4.40	4.44	4.46	4.42	4.44	4.59	4.65	4.72	4.78	4.74	4.71	-0.4%
Mountain	5.13	5.42	5.61	5.66	5.68	5.66	5.70	5.81	5.64	5.68	5.81	6.09	6.27	-0.2%
Pacific	5.05	5.18	5.25	5.29	5.24	5.24	5.21	5.26	5.16	5.28	5.36	5.58	5.77	-0.7%
Average	5.33	5.38	5.41	5.44	5.43	5.39	5.40	5.50	5.48	5.54	5.61	5.68	5.75	-0.6%

Table 106. Natural Gas Delivered Prices by End-Use Sector and Census Division
(2001 Dollars per Thousand Cubic Feet)

1/ Includes consumption for combined heat and power, which produces electricity and other useful thermal energy. Excludes lease and plant fuel.
2/ Includes consumption of energy by electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. Includes small power producers and exempt wholesale generators.
3/ Compressed natural gas used as a vehicle fuel, including federal and state fuel taxes. Excludes dispensing charges for fleet vehicles.
4/ Weighted average price. Weights used are the sector consumption values.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding. Data for 2000 and 2001 may differ slightly from official EIA data reports due to internal conversion factors in the AEO2003 National Energy Modeling System and the use of different adjustments to account for unavailable data.
Sources: 2000 and 2001 industrial natural gas delivered prices are based on Energy Information Administration (EIA), Manufacturing Energy Consumption Survey 1998. 2000 and 2001 transportation values based on EIA, Natural Gas Annual 2000, DOE/EIA-0131(2000) (Washington, DC, November 2001) and assumed fuel taxes. Other 2000 values: EIA, Natural Gas Annual 2000, DOE/EIA-0131(2000) (Washington, DC, November 2001). Other 2001 values: EIA, Natural Gas Monthly, DOE/EIA-0130(2002/08) (Washington, DC, August 2002). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 107. Natural Gas Pipeline Capacity by Census Division
(Design Capacity in Billions of Cubic Feet per Year)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Capacity Entering Region 1/													
New England	1214	1219	1237	1281	1385	1482	1482	1482	1482	1482	1482	1482	1485
Middle Atlantic	4530	4534	4551	4651	4872	5046	5046	5046	5046	5046	5046	5046	5046
East North Central	8500	8921	8969	8969	8969	8969	8969	8969	8969	8969	9101	9253	9406
West North Central	6539	7212	7297	7551	7718	7718	7718	7718	7718	7718	7718	7718	7718
South Atlantic	5628	5703	5995	6542	6662	6662	6662	6662	6662	6662	6662	6662	6662
East South Central	9220	9306	9404	9460	9460	9460	9460	9460	9460	9460	9460	9460	9460
West South Central	1813	1823	1849	1860	1860	1860	1860	1860	1860	1860	1860	1861	1883
Mountain	2482	2482	2549	2684	2723	2801	2801	2801	2801	2801	2801	2801	2801
Pacific	3850	3866	3966	4122	4217	4330	4330	4330	4330	4330	4330	4378	4471
Total	43776	45066	45817	47122	47865	48328	48328	48328	48328	48328	48460	48661	48932
United States (Pipeline Imports)	5235	5906	5949	6088	6382	6689	6689	6689	6689	6689	6689	6689	6715
Capacity Exiting Region 2/													
New England	104	104	112	130	130	130	130	130	130	130	130	130	130
Middle Atlantic	2047	2047	2056	2101	2156	2156	2156	2156	2156	2156	2156	2156	2156
East North Central	3181	3364	3364	3364	3364	3364	3364	3364	3364	3364	3364	3364	3364
West North Central	4854	5275	5361	5441	5441	5441	5441	5441	5441	5441	5573	5725	5878
South Atlantic	3381	3430	3430	3445	3476	3476	3476	3476	3476	3476	3476	3476	3476
East South Central	7450	7525	7817	8363	8483	8483	8483	8483	8483	8483	8483	8483	8483
West South Central	14322	14359	14499	14644	14697	14776	14776	14776	14776	14776	14776	14776	14776
Mountain	4586	4637	4920	5388	5578	5656	5656	5656	5656	5656	5656	5706	5797
Pacific	290	376	376	376	376	381	381	381	381	381	381	381	381
Total	40216	41117	41937	43252	43701	43863	43863	43863	43863	43863	43995	44196	44441
United States (Pipeline Exports)	1676	1957	2069	2218	2218	2223	2223	2223	2223	2223	2223	2223	2223

Table 107. Natural Gas Pipeline Capacity by Census Division
(Design Capacity in Billions of Cubic Feet per Year)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Capacity Entering Region 1/														
New England	1502	1561	1641	1712	1762	1812	1862	1912	1945	1945	1945	1945	1945	2.0%
Middle Atlantic	5046	5046	5046	5046	5046	5046	5046	5048	5093	5139	5181	5209	5224	0.6%
East North Central	9549	9629	9711	9791	9914	10019	10176	10338	10587	10796	10999	11026	11228	1.0%
West North Central	7802	7908	7990	8060	8165	8268	8425	8639	9144	9613	9787	9800	9903	1.3%
South Atlantic	6662	6662	6662	6662	6662	6662	6662	6662	6662	6662	6662	6662	6662	0.6%
East South Central	9460	9460	9460	9460	9460	9460	9460	9460	9460	9460	9460	9460	9460	0.1%
West South Central	1898	1898	1898	1898	1898	1898	1898	1898	1908	1909	1910	1917	1917	0.2%
Mountain	2801	2801	2801	2801	2801	2801	2801	2801	2810	2817	2817	2817	2819	0.5%
Pacific	4546	4594	4646	4673	4714	4819	4917	5000	5297	5652	5735	5735	5824	1.7%
Total	49265	49559	49856	50103	50421	50785	51246	51757	52905	53993	54496	54572	54982	0.8%
United States (Pipeline Imports)	6744	6804	6886	6965	7022	7089	7177	7227	8020	8841	8924	8928	9120	1.8%
Capacity Exiting Region 2/														
New England	130	130	130	130	130	130	130	130	130	130	130	130	130	0.9%
Middle Atlantic	2156	2156	2156	2156	2156	2156	2156	2156	2156	2156	2156	2156	2156	0.2%
East North Central	3364	3364	3364	3364	3364	3364	3364	3366	3411	3457	3500	3524	3536	0.2%
West North Central	6021	6101	6183	6263	6386	6491	6647	6809	7059	7267	7471	7498	7700	1.6%
South Atlantic	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	3476	0.1%
East South Central	8483	8483	8483	8483	8483	8483	8483	8483	8483	8483	8483	8483	8483	0.5%
West South Central	14776	14776	14776	14776	14776	14776	14776	14776	14776	14776	14776	14776	14776	0.1%
Mountain	5958	6112	6244	6333	6471	6663	6879	7176	7238	7249	7423	7444	7448	2.0%
Pacific	381	381	381	381	381	381	381	381	381	381	381	381	381	0.1%
Total	44744	44978	45193	45361	45622	45919	46292	46753	47109	47375	47795	47867	48085	0.7%
United States (Pipeline Exports)	2223	2223	2223	2223	2223	2223	2223	2223	2223	2223	2223	2223	2223	0.5%

Table 107. Natural Gas Pipeline Capacity by Census Division
(Design Capacity in Billions of Cubic Feet per Year)

1/ Includes only the sum of capacity levels for the States bounding the respective regions including pipeline import capacity.
2/ Includes only the sum of capacity levels for the States bounding the respective regions including pipeline export capacity.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 108. Natural Gas Pipeline Capacity Utilization 1/ by Census Division
(Fraction)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Utilization Entering Region													
New England	0.59	0.56	0.64	0.65	0.57	0.52	0.51	0.52	0.53	0.55	0.56	0.57	0.58
Middle Atlantic	0.71	0.66	0.62	0.64	0.63	0.60	0.60	0.61	0.62	0.63	0.64	0.65	0.65
East North Central	0.61	0.62	0.61	0.63	0.65	0.65	0.65	0.66	0.67	0.68	0.68	0.68	0.68
West North Central	0.60	0.57	0.56	0.57	0.57	0.56	0.56	0.56	0.57	0.57	0.58	0.59	0.61
South Atlantic	0.66	0.62	0.58	0.53	0.52	0.51	0.50	0.49	0.49	0.49	0.49	0.49	0.50
East South Central	0.60	0.60	0.61	0.62	0.64	0.64	0.65	0.65	0.67	0.69	0.70	0.72	0.73
West South Central	0.20	0.20	0.23	0.28	0.29	0.27	0.24	0.23	0.21	0.19	0.19	0.19	0.20
Mountain	0.10	0.10	0.10	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11
Pacific	0.64	0.68	0.66	0.62	0.61	0.62	0.63	0.65	0.69	0.71	0.74	0.76	0.78
Average 2/	0.58	0.57	0.56	0.56	0.56	0.56	0.56	0.56	0.57	0.58	0.59	0.60	0.60
United States (Pipeline Imports)	0.77	0.73	0.67	0.68	0.66	0.65	0.65	0.66	0.69	0.71	0.73	0.74	0.76
Utilization Exiting Region													
New England	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
Middle Atlantic	0.33	0.29	0.33	0.34	0.30	0.28	0.27	0.26	0.25	0.26	0.26	0.26	0.27
East North Central	0.62	0.62	0.58	0.60	0.58	0.56	0.55	0.55	0.55	0.55	0.55	0.55	0.56
West North Central	0.64	0.61	0.59	0.62	0.63	0.63	0.63	0.63	0.64	0.65	0.65	0.65	0.65
South Atlantic	0.58	0.55	0.52	0.52	0.51	0.50	0.49	0.49	0.49	0.50	0.50	0.50	0.50
East South Central	0.66	0.65	0.63	0.60	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.63	0.64
West South Central	0.49	0.50	0.51	0.52	0.53	0.52	0.53	0.53	0.55	0.56	0.56	0.57	0.58
Mountain	0.50	0.50	0.53	0.52	0.52	0.52	0.52	0.52	0.53	0.54	0.55	0.57	0.60
Pacific	0.05	0.10	0.09	0.09	0.13	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15
Average 2/	0.55	0.54	0.54	0.54	0.55	0.54	0.54	0.54	0.55	0.56	0.56	0.57	0.58
United States (Pipeline Exports)	0.41	0.47	0.49	0.49	0.51	0.52	0.52	0.53	0.53	0.53	0.53	0.53	0.52

Table 108. Natural Gas Pipeline Capacity Utilization 1/ by Census Division
(Fraction)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Utilization Entering Region														
New England	0.58	0.56	0.54	0.52	0.52	0.51	0.50	0.49	0.50	0.51	0.52	0.53	0.54	-0.1%
Middle Atlantic	0.65	0.66	0.66	0.67	0.67	0.68	0.69	0.69	0.70	0.70	0.71	0.71	0.71	0.3%
East North Central	0.68	0.68	0.68	0.68	0.68	0.69	0.69	0.69	0.69	0.69	0.70	0.70	0.70	0.5%
West North Central	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.62	0.61	0.3%
South Atlantic	0.50	0.51	0.51	0.51	0.51	0.51	0.52	0.52	0.53	0.54	0.54	0.54	0.54	-0.5%
East South Central	0.73	0.74	0.75	0.76	0.76	0.77	0.78	0.79	0.79	0.79	0.79	0.80	0.81	1.2%
West South Central	0.20	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.23	0.25	0.27	1.2%
Mountain	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.6%
Pacific	0.79	0.80	0.81	0.83	0.84	0.85	0.86	0.87	0.83	0.81	0.81	0.83	0.83	0.9%
Average 2/	0.61	0.61	0.62	0.62	0.62	0.62	0.63	0.64	0.64	0.63	0.64	0.65	0.65	0.5%
United States (Pipeline Imports)	0.76	0.77	0.76	0.79	0.81	0.81	0.82	0.84	0.86	0.87	0.88	0.90	0.91	0.9%
Utilization Exiting Region														
New England	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.0%
Middle Atlantic	0.26	0.25	0.24	0.23	0.23	0.22	0.21	0.20	0.20	0.19	0.19	0.18	0.18	-2.0%
East North Central	0.56	0.56	0.56	0.57	0.57	0.57	0.58	0.58	0.58	0.58	0.59	0.59	0.59	-0.2%
West North Central	0.65	0.65	0.65	0.65	0.65	0.66	0.66	0.66	0.66	0.67	0.67	0.68	0.66	0.4%
South Atlantic	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.49	0.49	0.48	0.49	0.49	-0.5%
East South Central	0.63	0.64	0.65	0.65	0.65	0.66	0.67	0.68	0.68	0.68	0.68	0.69	0.70	0.3%
West South Central	0.58	0.58	0.59	0.59	0.58	0.59	0.60	0.60	0.59	0.57	0.57	0.58	0.58	0.7%
Mountain	0.62	0.63	0.63	0.62	0.62	0.63	0.63	0.63	0.59	0.56	0.58	0.58	0.57	0.5%
Pacific	0.15	0.14	0.13	0.13	0.12	0.11	0.10	0.09	0.08	0.08	0.08	0.08	0.08	-1.0%
Average 2/	0.58	0.58	0.59	0.59	0.58	0.59	0.59	0.60	0.59	0.58	0.58	0.59	0.59	0.3%
United States (Pipeline Exports)	0.51	0.51	0.50	0.49	0.48	0.47	0.45	0.44	0.42	0.42	0.42	0.42	0.42	-0.5%

Table 108. Natural Gas Pipeline Capacity Utilization 1/ by Census Division
(Fraction)

1/ Capacity utilization is defined as the annual throughput volume divided by the design capacity (Table 107).
2/ Weighted average utilization. Weights used are the regional pipeline capacity levels provided in Table 107.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 109. Domestic Coal Supply Disposition, and Prices
(Quantities in Million Short Tons; Prices in 2001 Dollars per Short Ton)

Supply, Consumption, and Prices	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Sources of Supply													
Distribution from													
Appalachia 1/	388.1	399.6	372.0	374.5	371.2	380.7	391.3	400.9	397.3	394.0	391.1	391.0	384.8
Interior	143.6	146.8	148.9	153.7	156.0	165.1	168.1	166.8	167.7	166.5	158.3	149.7	146.8
Northern Great Plains	403.2	429.3	429.8	432.1	435.3	438.3	454.4	476.1	493.2	510.1	539.4	557.1	567.5
Other West and Non-Contiguous	98.4	104.7	93.6	98.4	100.4	101.2	103.4	106.6	105.4	107.2	106.6	110.0	116.4
Total Distribution (excludes exports)	1033.3	1080.3	1044.3	1058.7	1062.8	1085.3	1117.3	1150.4	1163.7	1177.8	1195.4	1207.7	1215.5
Imports	12.5	19.8	15.7	16.2	16.7	17.3	17.8	18.3	18.8	19.3	19.8	20.4	20.9
Total Supply	1045.8	1100.1	1060.0	1075.0	1079.5	1102.5	1135.0	1168.7	1182.5	1197.1	1215.2	1228.1	1236.4
Consumption													
Residential/Commercial	4.1	4.1	4.5	4.6	4.5	4.7	4.7	4.8	4.8	4.8	4.9	4.9	5.0
Industrial 2/	65.2	63.4	62.6	63.7	64.3	64.5	64.2	64.8	65.6	65.9	66.5	66.9	67.3
Coke Plants	28.9	26.1	23.5	24.8	24.7	24.7	24.7	24.6	25.0	24.5	24.1	23.6	23.2
Electric Generators 3/	982.6	956.9	949.2	966.3	988.9	1011.8	1044.1	1077.4	1089.8	1104.7	1122.8	1135.1	1143.8
Total Consumption	1080.8	1050.5	1039.8	1059.4	1082.4	1105.7	1137.7	1171.6	1185.1	1200.0	1218.2	1230.5	1239.3
Discrepancy 4/	-34.9	49.7	20.1	15.5	-2.9	-3.1	-2.7	-2.8	-2.7	-2.8	-2.9	-2.4	-2.9
Delivered Prices													
Industrial	32.20	32.83	31.96	31.69	31.30	31.14	31.12	30.89	30.53	30.27	29.97	29.80	29.55
Coke Plants	45.43	46.42	44.40	44.08	43.60	43.17	42.93	42.46	42.01	41.67	41.38	40.81	40.67
Electric Generators	24.85	25.06	24.79	24.89	24.70	24.92	24.67	24.39	24.09	23.81	23.61	23.55	23.39
Average Price 5/	25.85	26.06	25.67	25.75	25.52	25.70	25.43	25.13	24.82	24.53	24.31	24.22	24.05

Table 109. Domestic Coal Supply Disposition, and Prices
(Quantities in Million Short Tons; Prices in 2001 Dollars per Short Ton)

Supply, Consumption, and Prices	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Sources of Supply														
Distribution from														
Appalachia 1/	386.2	388.2	393.6	392.4	391.4	393.9	394.4	394.4	393.6	393.1	395.7	400.7	409.0	0.1%
Interior	148.5	147.4	149.7	152.0	153.5	153.3	152.4	150.0	151.7	153.1	154.4	156.1	159.3	0.3%
Northern Great Plains	574.6	584.7	594.2	607.8	625.4	635.7	649.7	664.8	669.6	686.7	699.3	706.0	718.8	2.2%
Other West and Non-Contiguous	116.9	116.7	119.6	119.0	119.4	118.3	121.2	121.1	122.7	122.1	124.4	125.2	126.9	0.8%
Total Distribution (excludes exports)	1226.2	1237.0	1257.1	1271.2	1289.7	1301.3	1317.7	1330.2	1337.6	1355.1	1373.8	1388.0	1414.0	1.1%
Imports	21.4	21.9	22.4	22.9	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.1	27.6	1.4%
Total Supply	1247.6	1258.9	1279.6	1294.1	1313.1	1325.2	1342.1	1355.2	1363.1	1381.1	1400.4	1415.0	1441.6	1.1%
Consumption														
Residential/Commercial	5.0	5.0	5.0	5.1	5.1	5.2	5.2	5.3	5.3	5.3	5.3	5.4	5.4	1.2%
Industrial 2/	67.7	68.0	68.2	68.4	68.6	68.8	69.1	69.4	69.7	69.9	70.3	70.6	70.9	0.5%
Coke Plants	22.8	22.3	21.9	21.5	21.1	20.8	20.4	20.0	19.6	19.3	18.9	18.6	18.2	-1.5%
Electric Generators 3/	1155.0	1166.0	1187.2	1201.9	1221.0	1233.3	1250.2	1263.4	1271.4	1289.5	1308.9	1323.4	1349.8	1.4%
Total Consumption	1250.5	1261.4	1282.4	1296.9	1315.9	1328.0	1344.9	1358.1	1366.0	1384.1	1403.5	1417.9	1444.4	1.3%
Discrepancy 4/	-2.8	-2.5	-2.8	-2.8	-2.8	-2.8	-2.8	-2.9	-2.9	-3.0	-3.1	-2.9	-2.7	N/A
Delivered Prices														
Industrial	29.53	29.39	29.33	29.16	28.96	28.87	28.69	28.40	28.23	28.16	28.00	27.98	27.92	-0.7%
Coke Plants	40.54	40.39	40.03	39.66	39.33	39.20	38.80	38.62	37.93	37.72	37.48	37.37	37.09	-0.9%
Electric Generators	23.33	23.24	23.16	23.02	22.84	22.76	22.65	22.45	22.33	22.30	22.21	22.22	22.17	-0.5%
Average Price 5/	23.98	23.87	23.78	23.62	23.43	23.33	23.21	23.00	22.86	22.81	22.71	22.71	22.64	-0.6%

Table 109. Domestic Coal Supply Disposition, and Prices
(Quantities in Million Short Tons; Prices in 2001 Dollars per Short Ton)

1/ Includes waste coal delivered to Independent Power Producers (IPP) that is not included in other Energy Information Administration coal distribution tables. The totals for this table include this waste coal tonnage.
2/ Includes consumption for combined heat and power plants, except those plants whose primary business is to sell electricity, or electricity and heat, to the public.
3/ Includes electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public.
4/ Includes stock changes.
5/ Weighted average excludes residential/commercial prices.
Appalachia: PA, OH, MD, WV, VA, TN, AL, Eastern KY.
Interior: Western KY, IL, IN, IA, MO, MS, KS, OK, AR, TX, LA.
Northern Great Plains: ND, MT, WY.
Other West and Non-Contiguous: CO, UT, AZ, NM, WA, AK.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 110. Coal Production and Minemouth Prices by Region
(Production in Million Short Tons, Prices in 2001 Dollars per Short Ton)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Production													
Appalachia 2/	429.54	443.40	407.15	409.32	405.07	414.09	424.28	433.17	429.02	425.12	421.51	418.25	411.51
Interior	143.53	147.03	148.86	153.75	155.95	165.11	168.12	166.77	167.72	166.50	158.29	149.66	146.77
Northern Great Plains	408.29	438.37	432.18	434.46	437.49	440.33	456.33	477.95	494.88	511.69	540.87	558.31	568.61
Other West and Non-Contiguous	102.14	109.51	96.64	101.52	103.84	104.66	106.87	110.01	108.81	110.51	109.86	113.26	119.66
Appalachia 2/	429.54	443.40	407.15	409.32	405.07	414.09	424.28	433.17	429.02	425.12	421.51	418.25	411.51
Interior	143.53	147.03	148.86	153.75	155.95	165.11	168.12	166.77	167.72	166.50	158.29	149.66	146.77
West	510.43	547.88	528.82	535.98	541.33	544.99	563.20	587.97	603.69	622.19	650.73	671.58	688.27
East of Mississippi River	517.63	539.40	505.10	512.58	506.02	520.84	533.85	541.16	538.38	533.51	527.86	521.64	513.39
West of Mississippi River	565.87	598.91	579.74	586.46	596.33	603.37	621.74	646.75	662.04	680.31	702.67	717.85	733.17
U.S. Total	1083.50	1138.31	1084.84	1099.04	1102.36	1124.20	1155.59	1187.91	1200.42	1213.82	1230.53	1239.49	1246.56
Minemouth Prices													
Appalachia	26.39	27.23	26.75	26.61	26.24	26.01	25.89	25.67	25.31	25.08	24.86	24.75	24.55
Interior	18.85	20.18	19.74	19.68	19.36	19.39	19.27	18.92	18.75	18.54	18.36	18.17	18.00
Northern Great Plains	6.20	6.27	6.36	6.22	6.09	5.94	5.89	5.82	5.77	5.71	5.74	5.79	5.82
Other West and Non-Contiguous	19.95	20.40	19.42	19.34	19.14	18.76	18.47	18.26	17.98	17.89	17.79	17.81	17.91
Appalachia	26.39	27.23	26.75	26.61	26.24	26.01	25.89	25.67	25.31	25.08	24.86	24.75	24.55
Interior	18.85	20.18	19.74	19.68	19.36	19.39	19.27	18.92	18.75	18.54	18.36	18.17	18.00
West	8.96	9.09	8.74	8.70	8.59	8.40	8.27	8.15	7.97	7.88	7.78	7.81	7.92
East of Mississippi River	25.61	26.28	25.92	25.74	25.38	25.18	25.06	24.81	24.47	24.23	24.01	23.87	23.67
West of Mississippi River	9.47	9.76	9.25	9.19	9.14	9.01	8.86	8.72	8.52	8.41	8.22	8.17	8.24
U.S. Total	17.18	17.59	17.01	16.91	16.60	16.50	16.34	16.05	15.68	15.37	14.99	14.78	14.60

Table 110. Coal Production and Minemouth Prices by Region
(Production in Million Short Tons, Prices in 2001 Dollars per Short Ton)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Production														
Appalachia 2/	413.42	414.56	417.96	415.73	414.94	417.70	418.46	418.64	416.12	415.25	417.87	422.56	430.89	-0.1%
Interior	148.54	147.41	149.73	151.95	153.51	153.32	152.38	149.98	151.70	153.11	154.42	156.07	159.33	0.3%
Northern Great Plains	575.71	585.74	595.27	608.86	626.44	636.75	650.72	665.76	670.58	687.72	700.26	706.93	719.74	2.1%
Other West and Non-Contiguous	120.11	119.94	122.77	122.21	122.62	121.55	124.38	124.35	125.92	125.35	127.67	128.42	130.11	0.7%
Appalachia 2/	413.42	414.56	417.96	415.73	414.94	417.70	418.46	418.64	416.12	415.25	417.87	422.56	430.89	-0.1%
Interior	148.54	147.41	149.73	151.95	153.51	153.32	152.38	149.98	151.70	153.11	154.42	156.07	159.33	0.3%
West	695.83	705.68	718.04	731.08	749.06	758.30	775.10	790.11	796.50	813.07	827.93	835.35	849.85	1.8%
East of Mississippi River	518.31	519.56	525.74	524.82	525.72	529.20	531.18	529.37	529.21	530.35	534.70	541.59	552.57	0.1%
West of Mississippi River	739.47	748.10	759.99	773.94	791.80	800.12	814.77	829.37	835.12	851.08	865.53	872.39	887.50	1.7%
U.S. Total	1257.78	1267.65	1285.73	1298.76	1317.52	1329.32	1345.94	1358.74	1364.33	1381.43	1400.23	1413.98	1440.07	1.0%
Minemouth Prices														
Appalachia	24.72	24.70	24.80	24.77	24.71	24.81	24.81	24.69	24.53	24.60	24.52	24.67	24.78	-0.4%
Interior	18.14	18.18	18.26	18.29	18.24	18.33	18.33	18.25	18.27	18.35	18.36	18.39	18.31	-0.4%
Northern Great Plains	5.86	5.97	6.00	6.08	6.16	6.24	6.32	6.40	6.42	6.48	6.54	6.60	6.60	0.2%
Other West and Non-Contiguous	17.84	17.82	17.83	17.80	17.74	17.68	17.74	17.79	17.85	17.86	17.84	17.83	17.86	-0.6%
Appalachia	24.72	24.70	24.80	24.77	24.71	24.81	24.81	24.69	24.53	24.60	24.52	24.67	24.78	-0.4%
Interior	18.14	18.18	18.26	18.29	18.24	18.33	18.33	18.25	18.27	18.35	18.36	18.39	18.31	-0.4%
West	7.93	7.98	8.02	8.04	8.05	8.07	8.15	8.19	8.23	8.24	8.28	8.33	8.33	-0.4%
East of Mississippi River	23.81	23.80	23.88	23.85	23.77	23.86	23.85	23.74	23.59	23.64	23.57	23.68	23.74	-0.4%
West of Mississippi River	8.24	8.27	8.30	8.32	8.33	8.33	8.38	8.41	8.44	8.44	8.48	8.52	8.51	-0.6%
U.S. Total	14.65	14.63	14.67	14.59	14.49	14.51	14.48	14.38	14.32	14.28	14.24	14.32	14.36	-0.8%

Table 110. Coal Production and Minemouth Prices by Region
(Production in Million Short Tons, Prices in 2001 Dollars per Short Ton)

1/ Coal Production Regions:
Appalachia: PA, OH, MD, WV, VA, TN, AL, Eastern KY.
Interior: Western KY, IL, IN, IA, MO, MS, KS, OK, AR, TX, LA.
Northern Great Plains: ND, MT, WY.
Other West and Non-Contiguous: CO, UT, AZ, NM, WA, AK.
2/ Includes waste coal delivered to Independent Power Producers (IPP) that is not included in other Energy Information Administration coal distribution tables. The totals for this table include this waste coal tonnage.
N/A = Not applicable
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 111. Coal Production by Region and Type
(Million Short Tons)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Northern Appalachia	149.14	153.60	136.83	137.66	134.53	142.23	146.21	146.64	139.07	136.86	135.09	134.07	131.87
Medium Sulfur (Premium) 1/	4.66	3.85	2.43	2.53	2.52	2.52	2.51	2.51	2.53	2.49	2.45	2.41	2.38
Low Sulfur (Bituminous) 2/	0.36	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Medium Sulfur (Bituminous) 2/	72.61	75.20	64.88	66.71	64.78	66.68	69.71	70.27	67.99	66.18	64.82	65.60	64.49
High Sulfur (Bituminous)	61.41	63.58	58.52	56.99	55.80	61.60	62.56	62.43	57.12	56.76	56.39	54.63	53.57
High Sulfur (Gob) 3/	10.10	10.60	11.00	11.43	11.43	11.43	11.43	11.43	11.43	11.43	11.43	11.43	11.43
Central Appalachia	258.40	266.95	252.35	252.96	251.93	252.61	258.26	266.30	269.48	267.93	265.94	264.09	259.92
Medium Sulfur (Premium) 1/	47.16	38.93	33.70	34.34	34.25	34.16	34.07	33.77	33.91	33.44	32.98	30.45	30.16
Low Sulfur (Bituminous)	65.91	71.20	64.25	66.96	68.60	68.77	70.93	71.85	72.35	71.70	71.73	75.56	78.25
Medium Sulfur (Bituminous)	145.33	156.82	154.40	151.66	149.08	149.68	153.26	160.68	163.21	162.79	161.22	158.08	151.51
Southern Appalachia	22.00	22.85	17.97	18.69	18.61	19.26	19.81	20.24	20.47	20.33	20.48	20.08	19.72
Low Sulfur (Premium) 1/	6.82	6.72	6.45	6.59	6.58	6.57	6.55	6.54	6.58	6.50	6.37	5.83	5.76
Low Sulfur (Bituminous)	6.03	5.88	3.21	3.21	3.17	3.01	3.14	3.43	3.55	3.57	3.90	4.16	4.34
Medium Sulfur (Bituminous)	9.15	10.25	8.31	8.90	8.85	9.68	10.11	10.27	10.34	10.26	10.21	10.10	9.62
Eastern Interior	88.09	96.00	97.95	103.27	100.95	106.74	109.58	107.99	109.36	108.38	106.35	103.39	101.87
Medium Sulfur (Bituminous)	30.86	33.56	31.24	33.88	31.77	32.13	33.81	34.66	34.72	34.51	33.35	32.46	31.34
High Sulfur (Bituminous)	56.33	61.84	65.97	66.42	66.07	71.33	72.33	69.72	70.85	69.90	68.93	66.87	66.73
Medium Sulfur (Lignite)	0.90	0.60	0.74	2.97	3.12	3.27	3.44	3.61	3.79	3.98	4.07	4.06	3.81
Western Interior High Sulfur (Bituminous)	2.42	2.41	2.35	2.46	2.46	2.68	2.69	2.64	2.64	2.57	2.55	2.46	2.33
Gulf	53.02	48.62	48.56	48.01	52.54	55.69	55.85	56.14	55.72	55.54	49.40	43.81	42.57
Medium Sulfur (Lignite)	36.44	33.42	28.74	27.79	30.69	32.74	33.39	33.06	33.56	33.03	30.01	27.26	26.87
High Sulfur (Lignite)	16.58	15.20	19.82	20.23	21.85	22.95	22.46	23.08	22.16	22.51	19.39	16.56	15.69
Dakota Medium Sulfur (Lignite)	31.41	30.82	31.55	30.85	30.57	30.54	30.69	30.88	31.12	31.31	31.51	31.70	31.90
Powder/Green River	376.88	407.55	400.62	403.61	406.92	409.79	425.63	447.07	463.75	480.38	509.35	526.61	536.71
Low Sulfur (Bituminous)	1.21	0.00	0.10	0.10	0.10	0.10	1.34	1.41	1.48	1.56	1.59	1.60	1.62
Low Sulfur (Sub-Bituminous)	345.74	375.08	368.82	368.20	373.62	379.37	394.44	416.27	433.98	450.91	478.34	495.20	507.15
Medium Sulfur (Sub-Bituminous)	29.93	32.47	31.71	35.31	33.20	30.33	29.85	29.39	28.30	27.91	29.43	29.81	27.94
Rocky Mountain	55.80	60.34	57.36	61.82	63.85	64.59	66.93	70.21	69.15	70.90	70.30	73.80	80.10
Low Sulfur (Bituminous)	46.64	50.51	48.38	52.99	54.02	54.87	57.31	60.70	59.73	61.57	61.11	64.68	71.10
Low Sulfur (Sub-Bituminous)	9.16	9.83	8.97	8.83	9.83	9.72	9.62	9.51	9.42	9.33	9.19	9.12	9.00
Arizona/New Mexico	40.43	43.03	33.31	33.66	33.87	33.94	33.79	33.64	33.49	33.43	33.37	33.26	33.35
Low Sulfur (Bituminous)	19.62	20.88	15.32	15.49	15.59	15.65	15.47	15.31	14.94	14.88	14.82	14.71	15.28
Medium Sulfur (Bituminous)	0.00	0.68	3.54	7.07	7.07	7.07	7.07	7.07	7.07	7.07	7.07	7.07	7.07
Medium Sulfur (Sub-Bituminous)	20.81	21.47	14.45	11.10	11.21	11.22	11.25	11.26	11.48	11.48	11.48	11.48	11.00
Washington/Alaska													
Medium Sulfur (Sub-Bituminous)	5.91	6.14	5.98	6.03	6.12	6.13	6.15	6.16	6.17	6.18	6.19	6.20	6.21
Subtotals: All Regions													
Premium Metallurgical 1/	58.64	49.50	42.58	43.46	43.35	43.25	43.14	42.81	43.02	42.44	41.81	38.70	38.30

Table 111. Coal Production by Region and Type
(Million Short Tons)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Bituminous	517.88	553.18	520.49	532.83	527.36	543.26	559.74	570.45	566.00	563.30	557.68	557.97	557.25
Sub-Bituminous	411.55	444.99	429.93	429.48	433.98	436.76	451.31	472.59	489.34	505.81	534.63	551.81	561.31
Lignite	95.43	90.64	91.85	93.26	97.66	100.93	101.41	102.06	102.06	102.26	96.41	91.01	89.70
Low Sulfur	501.49	540.47	515.50	522.37	531.51	538.05	558.82	585.03	602.02	620.02	647.05	670.86	692.51
Medium Sulfur	435.17	444.21	411.67	419.14	413.23	416.16	425.30	433.58	434.19	430.62	424.79	416.68	404.30
High Sulfur	146.84	153.63	157.66	157.52	157.61	169.99	171.47	169.30	164.21	163.18	158.68	151.94	149.75
Underground	373.43	380.23	355.57	371.36	369.99	380.76	393.92	404.03	399.30	398.40	394.00	394.83	397.79
Surface	710.07	758.08	729.26	727.68	732.37	743.44	761.67	783.88	801.12	815.42	836.52	844.65	848.77
U.S. Total	1083.50	1138.31	1084.84	1099.04	1102.35	1124.20	1155.59	1187.91	1200.42	1213.82	1230.53	1239.48	1246.55

Table 111. Coal Production by Region and Type
(Million Short Tons)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Northern Appalachia	130.91	131.54	131.73	132.61	131.91	137.17	137.62	139.07	139.58	140.61	143.58	146.93	148.45	-0.1%
Medium Sulfur (Premium) 1/	2.37	2.36	2.35	2.34	2.34	2.34	2.34	2.34	2.35	2.36	2.37	2.38	2.40	-2.0%
Low Sulfur (Bituminous) 2/	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
Medium Sulfur (Bituminous) 2/	63.55	64.15	63.59	63.15	63.83	66.34	65.56	66.80	66.60	67.40	69.00	71.09	73.14	-0.1%
High Sulfur (Bituminous)	53.56	53.60	54.35	55.69	54.31	57.06	58.29	58.50	59.20	59.43	60.79	62.03	61.49	-0.1%
High Sulfur (Gob) 3/	11.43	11.43	11.43	11.43	11.43	11.43	11.43	11.43	11.43	11.43	11.43	11.43	11.43	0.3%
Central Appalachia	262.93	263.65	267.04	264.53	264.61	262.80	263.34	262.68	260.09	258.47	258.41	260.07	266.95	0.0%
Medium Sulfur (Premium) 1/	30.23	30.30	30.32	29.39	29.28	29.40	29.34	29.47	27.67	27.12	26.93	26.45	26.17	-1.6%
Low Sulfur (Bituminous)	77.64	75.64	74.83	73.82	72.72	71.96	72.24	71.99	71.65	71.20	71.53	72.09	75.13	0.2%
Medium Sulfur (Bituminous)	155.06	157.71	161.89	161.33	162.62	161.45	161.76	161.23	160.77	160.15	159.96	161.53	165.65	0.2%
Southern Appalachia	19.58	19.37	19.19	18.58	18.42	17.72	17.49	16.88	16.45	16.16	15.87	15.56	15.49	-1.6%
Low Sulfur (Premium) 1/	5.72	5.69	5.67	5.38	5.43	5.25	5.26	5.08	4.85	4.76	4.69	4.53	4.57	-1.6%
Low Sulfur (Bituminous)	4.36	4.27	4.23	4.19	4.14	3.95	3.90	3.70	3.60	3.54	3.44	3.38	3.30	-2.4%
Medium Sulfur (Bituminous)	9.50	9.41	9.29	9.01	8.85	8.53	8.34	8.11	8.00	7.87	7.75	7.65	7.61	-1.2%
Eastern Interior	104.89	104.99	107.78	109.09	110.77	111.50	112.72	110.73	113.09	115.10	116.82	119.03	121.69	1.0%
Medium Sulfur (Bituminous)	33.77	34.79	37.46	39.21	40.45	39.73	39.51	39.00	38.98	39.35	39.79	39.82	40.92	0.8%
High Sulfur (Bituminous)	67.19	66.22	66.31	65.90	66.31	67.78	69.25	67.78	70.16	71.87	73.15	75.40	77.08	0.9%
Medium Sulfur (Lignite)	3.93	3.98	4.01	3.99	4.01	4.00	3.95	3.96	3.95	3.88	3.89	3.81	3.68	7.9%
Western Interior High Sulfur (Bituminous)	2.30	2.31	2.27	2.21	2.17	2.09	2.03	1.98	1.96	1.92	1.88	1.85	1.85	-1.1%
Gulf	41.35	40.10	39.68	40.65	40.57	39.72	37.63	37.27	36.66	36.09	35.71	35.19	35.80	-1.3%
Medium Sulfur (Lignite)	25.86	25.24	24.71	25.00	24.86	24.27	22.74	22.60	22.26	21.76	21.60	21.24	21.59	-1.8%
High Sulfur (Lignite)	15.48	14.86	14.97	15.65	15.72	15.45	14.89	14.67	14.39	14.33	14.11	13.95	14.21	-0.3%
Dakota Medium Sulfur (Lignite)	32.08	32.29	32.47	32.65	32.90	33.08	33.27	33.46	33.47	33.48	33.50	33.53	33.55	0.4%
Powder/Green River	543.63	553.45	562.80	576.21	593.54	603.67	617.45	632.30	637.12	654.24	666.76	673.40	686.19	2.2%
Low Sulfur (Bituminous)	1.63	1.66	1.67	1.69	1.71	1.62	1.46	1.27	1.14	1.03	0.93	0.84	0.77	N/A
Low Sulfur (Sub-Bituminous)	515.48	524.31	532.46	544.54	559.82	569.11	581.11	595.28	598.93	614.69	625.79	631.52	642.20	2.3%
Medium Sulfur (Sub-Bituminous)	26.51	27.48	28.66	29.98	32.01	32.94	34.87	35.75	37.05	38.53	40.04	41.04	43.22	1.2%
Rocky Mountain	81.10	81.53	84.59	84.33	85.00	84.18	87.15	87.24	88.55	88.22	90.53	91.26	92.94	1.8%
Low Sulfur (Bituminous)	72.22	72.88	76.06	75.90	77.04	76.49	79.93	80.73	82.04	81.71	84.01	84.75	86.43	2.3%
Low Sulfur (Sub-Bituminous)	8.88	8.65	8.52	8.43	7.96	7.69	7.22	6.51	6.51	6.51	6.51	6.51	6.51	-1.7%
Arizona/New Mexico	32.79	32.19	31.95	31.64	31.36	31.11	30.96	30.83	30.90	30.83	30.84	30.84	30.84	-1.4%
Low Sulfur (Bituminous)	15.20	14.73	14.65	14.47	14.34	14.23	14.22	14.22	14.29	14.22	14.22	14.22	14.22	-1.6%
Medium Sulfur (Bituminous)	7.07	7.07	7.07	7.07	7.07	7.07	7.07	7.07	7.07	7.07	7.07	7.07	7.07	10.2%
Medium Sulfur (Sub-Bituminous)	10.53	10.38	10.23	10.09	9.95	9.81	9.67	9.54	9.54	9.54	9.54	9.55	9.55	-3.3%
Washington/Alaska														
Medium Sulfur (Sub-Bituminous)	6.22	6.23	6.24	6.24	6.25	6.26	6.27	6.28	6.47	6.30	6.31	6.32	6.33	0.1%
Subtotals: All Regions														
Premium Metallurgical 1/	38.32	38.34	38.33	37.11	37.05	36.99	36.94	36.89	34.87	34.23	33.98	33.36	33.14	-1.7%

Table 111. Coal Production by Region and Type
(Million Short Tons)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Bituminous	563.05	564.45	573.69	573.64	575.56	578.28	583.57	582.36	585.44	586.74	593.51	601.73	614.65	0.4%
Sub-Bituminous	567.61	577.05	586.11	599.29	615.99	625.81	639.15	653.36	658.50	675.57	688.19	694.93	707.81	2.0%
Lignite	88.80	87.80	87.59	88.72	88.92	88.23	86.29	86.12	85.50	84.88	84.53	83.96	84.47	-0.3%
Low Sulfur	701.14	707.83	718.10	728.42	743.16	750.29	765.33	778.77	783.00	797.65	811.12	817.84	833.13	1.8%
Medium Sulfur	406.68	411.40	418.29	419.46	424.43	425.20	424.71	425.60	424.19	424.80	427.74	431.48	440.88	0.0%
High Sulfur	149.96	148.42	149.33	150.88	149.93	153.82	155.89	154.35	157.14	158.97	161.36	164.66	166.06	0.3%
Underground	402.36	405.94	413.86	415.02	417.41	422.19	428.53	427.61	429.55	431.38	437.56	444.51	456.12	0.8%
Surface	855.42	861.71	871.86	883.73	900.10	907.12	917.41	931.13	934.77	950.05	962.66	969.47	983.94	1.1%
U.S. Total	1257.77	1267.65	1285.72	1298.76	1317.51	1329.31	1345.94	1358.73	1364.33	1381.42	1400.22	1413.98	1440.07	1.0%

Table 111. Coal Production by Region and Type
(Million Short Tons)

1/ "Premium" coal is used to make metallurgical coke.
2/ Includes Pennsylvania anthracite.
3/ Waste coal delivered to Independent Power Producers (IPP) that is not included in other Energy Information Administration coal production tables. The totals for this table include this waste coal tonnage.
Northern Appalachia: PA, MD, OH, Northern WV (PA anthracite is included under low and medium sulfur bituminous).
Central Appalachia: Southern WV, VA, Eastern KY
Southern Appalachia: AL, TN.
Eastern Interior: IL, IN, MS, Western KY.
Western Interior (Bituminous Only): IA, MO, KS, OK, AR, TX.
Gulf (Lignite Only): TX, LA, AR.
Dakota: ND, Eastern MT (Lignite Only).
Powder/Green River: WY, MT (Sub-Bituminous and Bituminous)
Rocky Mountains: CO, UT.
Sulfur Definitions:
Low Sulfur: 0 - 0.60 pounds of sulfur per million Btu.
Medium Sulfur: 0.61 - 1.67 pounds of sulfur per million Btu.
High Sulfur: Over 1.67 pounds of sulfur per million Btu.
Btu = British thermal unit.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 112. World Steam Coal Flows By Importing Regions and Exporting Countries 1,2/
(Million Short Tons)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Steam Coal Exports to Europe 3/													
Australia	13.8	9.5	10.7	10.5	10.4	10.2	9.9	10.0	10.1	10.2	10.3	10.2	10.2
United States	5.8	6.4	3.9	4.4	4.8	4.8	5.3	5.4	4.4	4.6	4.4	3.9	3.5
South Africa	55.6	62.4	70.4	69.0	68.0	67.4	67.9	68.8	69.6	70.5	71.4	71.0	70.7
Former Soviet Union	18.4	18.5	19.1	19.8	20.1	20.4	20.4	20.3	21.9	22.2	22.4	22.6	22.8
Poland	15.7	18.1	17.2	15.5	13.8	12.1	11.5	10.9	10.3	9.7	9.1	8.7	8.2
Canada	0.3	0.0	4.1	4.2	4.3	4.4	4.9	5.3	5.7	6.2	6.6	6.4	6.2
China	3.2	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South America	30.4	29.5	27.4	28.9	30.3	32.0	32.6	33.4	35.2	35.9	36.9	38.1	39.4
Indonesia 4/	4.5	12.0	10.4	11.2	11.9	12.7	12.5	11.8	9.4	8.5	7.6	5.9	4.2
Total	147.7	161.8	163.2	163.5	163.7	163.9	165.0	165.9	166.8	167.8	168.7	166.9	165.1
Steam Coal Exports to Asia													
Australia	83.2	85.2	93.0	95.6	98.4	101.8	105.6	109.3	111.3	114.7	118.2	117.1	116.1
United States	4.3	2.8	2.8	2.8	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2
South Africa	14.4	8.5	0.8	3.5	5.8	7.7	8.0	7.9	7.9	7.9	7.8	9.3	10.8
Former Soviet Union	6.0	7.1	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.9	7.1
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Canada	3.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
China	53.8	80.4	92.2	94.5	96.9	99.2	102.1	104.9	107.8	110.7	113.5	114.4	115.3
South America	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indonesia 4/	46.5	49.5	51.4	53.2	55.0	56.8	58.5	60.7	64.5	66.9	69.2	72.2	75.1
Total	211.5	235.8	246.9	256.5	266.0	275.5	284.2	292.8	301.5	310.2	318.8	323.2	327.5
Steam Coal Exports to America													
Australia	2.3	2.0	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5
United States	15.4	14.0	12.6	12.3	10.9	10.4	9.4	8.7	9.2	8.4	7.9	7.7	7.4
South Africa	1.3	2.1	2.9	2.9	2.9	3.0	3.1	3.3	3.5	3.7	3.8	3.8	3.8
Former Soviet Union	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poland	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Canada	0.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
China	0.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South America	15.0	20.4	26.5	28.1	29.6	31.0	32.0	32.8	32.7	33.6	34.3	34.9	35.4
Indonesia 4/	2.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	37.5	44.3	42.3	43.5	43.7	44.6	44.8	45.2	45.7	46.1	46.5	46.9	47.2
Total Steam Coal Exports 5/													
Australia	96.7	97.1	104.0	106.4	109.0	112.3	115.9	119.6	121.8	125.4	129.0	127.8	126.7
United States	25.6	23.3	19.3	19.4	18.8	18.3	17.8	17.3	16.7	16.1	15.5	14.8	14.1
South Africa	74.3	74.7	74.0	75.4	76.7	78.0	79.0	80.0	81.0	82.0	83.0	84.2	85.3
Former Soviet Union	23.3	25.8	25.9	26.6	26.9	27.2	27.2	27.2	28.7	29.0	29.2	29.5	29.9
Poland	14.6	18.7	17.2	15.5	13.8	12.1	11.5	10.9	10.3	9.7	9.1	8.7	8.2
Canada	5.1	3.5	4.1	4.2	4.3	4.4	4.9	5.3	5.7	6.2	6.6	6.4	6.2
China	53.0	87.5	92.2	94.5	96.9	99.2	102.1	104.9	107.8	110.7	113.5	114.4	115.3
South America	46.4	49.8	53.9	56.9	59.9	62.9	64.6	66.3	67.9	69.6	71.2	73.0	74.8
Indonesia 4/	59.8	63.8	61.9	64.4	67.0	69.5	71.0	72.4	73.9	75.4	76.8	78.1	79.3
Total	398.8	444.3	452.5	463.4	473.3	484.0	494.0	504.0	514.0	524.0	534.1	536.9	539.8

Table 112. World Steam Coal Flows By Importing Regions and Exporting Countries 1,2/
(Million Short Tons)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Steam Coal Exports to Europe 3/														
Australia	10.1	10.0	9.9	9.9	9.8	8.3	9.7	7.8	5.7	3.6	2.8	2.7	2.6	-5.3%
United States	3.6	2.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
South Africa	70.3	70.0	69.6	69.4	69.2	69.0	68.7	68.5	68.1	67.6	67.2	68.1	66.3	0.3%
Former Soviet Union	20.8	20.8	23.5	23.3	21.4	21.1	17.7	20.6	20.7	20.8	19.4	16.0	15.4	-0.8%
Poland	7.7	7.2	6.7	6.5	6.2	6.0	5.8	5.5	5.3	5.1	4.9	4.6	4.4	-5.7%
Canada	6.0	5.8	5.5	5.4	5.3	5.2	5.1	2.2	2.2	2.2	2.2	2.2	2.2	N/A
China	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
South America	40.6	41.9	43.1	44.6	46.0	47.4	48.9	50.3	52.1	53.8	55.5	57.2	59.0	2.9%
Indonesia 4/	4.2	3.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total	163.3	161.6	160.1	159.1	158.0	157.0	155.8	155.0	154.0	153.0	152.0	150.9	149.8	-0.3%
Steam Coal Exports to Asia														
Australia	116.5	116.5	115.2	115.9	118.2	120.5	122.9	125.2	127.6	130.1	132.5	136.3	137.4	2.0%
United States	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.6%
South Africa	12.3	13.8	15.3	15.6	15.8	16.1	16.4	16.6	17.1	17.5	18.0	17.1	18.9	3.4%
Former Soviet Union	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.2	8.3	8.4	8.5	0.7%
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
China	116.2	117.1	118.0	118.6	119.3	119.9	120.6	121.3	121.3	121.3	121.3	121.3	121.3	1.7%
South America	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia 4/	76.4	78.2	81.4	83.9	84.7	85.5	86.3	87.1	88.0	88.9	89.8	90.7	91.5	2.6%
Total	331.8	336.1	340.4	344.6	348.8	353.0	357.2	361.4	365.2	369.1	373.0	376.9	380.8	2.0%
Steam Coal Exports to America														
Australia	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	1.0	-3.1%
United States	7.4	7.3	7.2	7.1	7.1	7.0	6.9	6.9	6.8	6.7	6.7	6.6	6.5	-3.1%
South Africa	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	2.5%
Former Soviet Union	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
China	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
South America	36.0	36.6	37.1	37.7	38.4	39.0	39.6	40.2	40.7	41.1	41.6	42.1	42.6	3.1%
Indonesia 4/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total	47.7	48.3	48.8	49.4	49.9	50.5	51.1	51.7	52.1	52.5	53.0	53.4	53.9	0.8%
Total Steam Coal Exports 5/														
Australia	127.2	127.1	125.7	126.4	128.7	129.6	133.3	133.8	134.1	134.5	136.2	139.9	140.9	1.6%
United States	14.2	13.0	10.5	10.4	10.3	10.2	10.2	10.1	10.0	9.9	9.9	9.8	9.7	-3.6%
South Africa	86.4	87.6	88.7	88.8	88.8	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	0.7%
Former Soviet Union	27.9	28.0	30.9	30.8	29.0	28.8	25.5	28.6	28.7	28.9	27.7	24.4	23.9	-0.3%
Poland	7.7	7.2	6.7	6.5	6.2	6.0	5.8	5.5	5.3	5.1	4.9	4.6	4.4	-5.8%
Canada	6.0	5.8	5.5	5.4	5.3	5.2	5.1	2.2	2.2	2.2	2.2	2.2	2.2	-1.9%
China	116.2	117.1	118.0	118.6	119.3	119.9	120.6	121.3	121.3	121.3	121.3	121.3	121.3	1.4%
South America	76.6	78.4	80.3	82.3	84.4	86.4	88.5	90.5	92.7	94.9	97.1	99.3	101.5	3.0%
Indonesia 4/	80.5	81.8	83.0	83.9	84.7	85.5	86.3	87.1	88.0	88.9	89.8	90.7	91.5	1.5%
Total	542.8	546.0	549.3	553.1	556.8	560.5	564.1	568.0	571.4	574.7	578.0	581.2	584.5	1.1%

Table 112. World Steam Coal Flows By Importing Regions and Exporting Countries 1,2/
(Million Short Tons)

1/ Import Regions:
Europe: Algeria, Austria, Belgium, Bulgaria, Croatia, Denmark, Egypt, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, Malta, Morocco, Netherlands, Norway, Portugal, Romania, Spain, Sweden, Tunisia, Turkey, United Kingdom
Asia: Bangladesh, China, Hong Kong, India, Iran, Japan, Malaysia, North Korea, Pakistan, Philippines, South Korea, Sri Lanka, Taiwan, Thailand
America: Argentina, Brazil, Canada, Chile, Mexico, United States
2/ Excludes non-seaborne shipments of coal to Europe and Asia.
3/ Coal exports to Europe include exports to the Middle East and Northern Africa.
4/ In 2001, steam coal exports from Indonesia include an additional 2.3 million short tons of exports from other countries not included in the forecast period.
5/ In 2001, total world coal flows include a balancing item term used to reconcile discrepancies between reported exports and imports. For 2001, the balancing item for steam coal amounted to 2.5 million short tons.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 data: SSY Consultancy and Research Ltd, SSY's Coal Trade Forecast, Vol. 11, No. 4 (London, United Kingdom, September 2002); Energy Information Administration (EIA), Quarterly Coal Report, October-December 2001, DOE/EIA-0121(2001/4Q) (Washington, DC, May 2002); and Statistics Canada, Coal and Coke Statistics -- December 2001, Catalogue 45-002-XIB, Vol. 80, No. 12 (Ottawa, Canada, March 2002). Projections: AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 113. World Metallurgical Coal Flows By Importing Regions and Exporting Countries 1,2/
(Million Short Tons)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Metallurgical Coal Exports to Europe 3/													
Australia	25.7	31.4	30.2	30.6	33.3	33.8	33.7	33.6	33.6	33.5	33.5	33.3	33.1
United States	21.6	15.7	11.1	10.9	10.8	10.7	10.6	10.5	10.5	10.4	10.3	8.8	9.0
South Africa	0.4	0.7	1.5	1.5	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Former Soviet Union	3.1	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Poland	3.3	2.1	2.2	1.9	1.6	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.1
Canada	8.2	7.3	14.0	14.2	12.0	12.0	12.1	12.2	12.3	12.4	12.5	14.0	13.7
China	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South America	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indonesia 4/	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	63.5	58.2	59.3	59.3	59.3	59.3	59.3	59.2	59.1	59.0	58.9	58.8	58.4
Metallurgical Coal Exports to Asia 5/													
Australia	76.2	78.9	83.1	83.4	83.6	83.9	83.9	83.9	83.9	83.9	83.9	84.4	84.8
United States	2.3	0.4	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3
South Africa	0.3	0.1	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3
Former Soviet Union	3.7	2.8	3.8	3.8	3.8	3.9	3.9	4.0	4.1	4.2	4.3	4.3	4.4
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Canada	19.3	16.6	11.4	10.8	10.3	9.7	9.3	8.9	8.4	8.0	7.8	7.8	7.8
China	7.1	11.6	13.3	13.7	14.0	14.3	14.7	15.0	15.3	15.7	15.8	15.8	15.9
South America	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indonesia 4/	10.6	13.0	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
Total	119.6	123.4	124.8	125.0	125.1	125.2	125.2	125.2	125.2	125.2	125.2	125.7	126.3
Metallurgical Coal Exports to America													
Australia	6.6	6.6	7.9	8.1	8.4	8.6	8.8	9.0	9.2	9.4	9.5	9.8	10.1
United States	8.9	9.3	9.1	8.9	8.8	8.7	8.7	8.4	8.3	8.2	8.1	6.8	6.6
South Africa	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Former Soviet Union	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poland	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Canada	3.6	5.1	6.1	6.4	6.7	6.9	7.3	8.0	8.4	8.9	9.4	11.1	11.7
China	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South America	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indonesia 4/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	20.4	22.1	23.1	23.4	23.8	24.3	24.8	25.4	25.9	26.5	27.0	27.8	28.5
Total Metallurgical Coal Exports 6/													
Australia	109.1	117.1	121.2	122.1	125.3	126.3	126.4	126.5	126.7	126.8	127.0	127.5	128.0
United States	32.8	25.4	21.3	20.8	20.7	20.6	20.5	20.2	20.0	19.9	19.6	16.9	16.9
South Africa	2.8	1.5	1.9	1.9	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Former Soviet Union	8.0	3.6	4.0	4.0	4.1	4.1	4.2	4.3	4.3	4.4	4.5	4.6	4.6
Poland	3.0	2.1	2.2	1.9	1.6	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.1
Canada	32.8	30.1	31.5	31.5	29.0	28.6	28.7	29.0	29.2	29.3	29.7	32.9	33.2
China	7.4	12.7	13.3	13.7	14.0	14.3	14.7	15.0	15.3	15.7	15.8	15.8	15.9
South America	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indonesia 4/	11.2	13.1	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
Total	204.7	205.7	207.3	207.7	208.3	208.8	209.3	209.7	210.2	210.7	211.1	212.3	213.1

Table 113. World Metallurgical Coal Flows By Importing Regions and Exporting Countries 1,2/
(Million Short Tons)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Metallurgical Coal Exports to Europe 3/														
Australia	32.9	32.7	32.5	32.4	32.3	32.2	32.1	32.0	31.9	31.9	31.8	32.2	32.2	0.1%
United States	9.4	9.8	9.9	9.5	9.5	9.3	9.1	8.9	9.0	9.0	9.0	8.7	8.7	-2.4%
South Africa	1.3	1.3	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.4%
Former Soviet Union	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-4.7%
Poland	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	0.9	0.8	0.7	0.6	-5.4%
Canada	13.1	12.5	12.1	11.0	10.8	10.8	10.7	10.7	10.6	10.4	10.2	10.1	9.9	1.3%
China	0.0	0.0	0.0	1.4	1.4	1.5	1.5	1.6	1.7	1.9	2.1	2.3	2.4	9.1%
South America	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia 4/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total	58.0	57.6	57.3	56.9	56.5	56.1	55.7	55.3	55.2	55.1	55.0	54.9	54.8	-0.2%
Metallurgical Coal Exports to Asia 5/														
Australia	85.2	85.6	86.0	86.3	86.6	86.9	87.2	87.6	88.1	88.7	89.2	89.8	90.3	0.6%
United States	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	5.8%
South Africa	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.3	5.2%
Former Soviet Union	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.7	4.8	4.8	4.9	4.9	5.0	2.4%
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	-3.1%
China	15.9	15.9	16.0	16.0	16.0	16.0	16.1	16.1	16.1	16.2	16.2	16.3	16.3	1.4%
South America	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia 4/	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	-0.4%
Total	126.8	127.3	127.8	128.2	128.6	129.1	129.5	129.9	130.5	131.1	131.8	132.4	133.1	0.3%
Metallurgical Coal Exports to America														
Australia	10.4	10.7	11.0	11.2	11.4	11.7	11.9	12.1	14.1	14.5	14.5	14.5	14.5	3.3%
United States	6.6	6.6	6.8	6.3	6.6	7.1	7.6	8.0	6.3	5.9	6.0	6.0	6.0	-1.8%
South Africa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Former Soviet Union	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	12.1	12.5	12.6	13.5	13.5	13.3	13.1	12.9	12.8	12.8	12.7	12.7	12.6	3.8%
China	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
South America	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia 4/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total	29.1	29.7	30.4	31.0	31.5	32.0	32.6	33.1	33.3	33.3	33.2	33.2	33.2	1.7%
Total Metallurgical Coal Exports 6/														
Australia	128.5	129.0	129.5	130.0	130.4	130.8	131.2	131.6	134.1	135.1	135.6	136.6	137.1	0.7%
United States	17.3	17.7	18.1	17.2	17.5	17.8	18.1	18.4	16.7	16.4	16.5	16.2	16.3	-1.8%
South Africa	1.7	1.7	1.7	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.2	1.1	1.1	-1.3%
Former Soviet Union	4.7	4.7	4.7	4.8	4.8	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.2	1.5%
Poland	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	0.9	0.8	0.7	0.6	-5.4%
Canada	33.0	32.7	32.5	32.3	32.1	31.9	31.6	31.4	31.2	31.0	30.8	30.5	30.3	0.0%
China	15.9	15.9	16.0	17.4	17.4	17.5	17.6	17.6	17.9	18.1	18.3	18.5	18.7	1.6%
South America	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia 4/	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	-0.4%
Total	213.9	214.7	215.4	216.1	216.7	217.2	217.7	218.3	219.0	219.5	220.0	220.5	221.0	0.3%

Table 113. World Metallurgical Coal Flows By Importing Regions and Exporting Countries 1,2/
(Million Short Tons)

1/ Import Regions:
Europe: Algeria, Austria, Belgium, Bulgaria, Croatia, Denmark, Egypt, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, Malta, Morocco, Netherlands, Norway, Portugal, Romania, Spain, Sweden, Tunisia, Turkey, United Kingdom
Asia: Bangladesh, China, Hong Kong, India, Iran, Japan, Malaysia, North Korea, Pakistan, Philippines, South Korea, Sri Lanka, Taiwan, Thailand
America: Argentina, Brazil, Canada, Chile, Mexico, United States
2/ Excludes non-seaborne shipments of coal to Europe and Asia.
3/ Coal exports to Europe include exports to the Middle East and Northern Africa.
4/ In 2001, metallurgical coal exports from Indonesia include an additional 1.3 million short tons of exports from other countries not included in the forecast period.
5/ For 2001, includes 12.0 million short tons of coal for pulverized coal injection at blast furnaces shipped to Japanese steelmakers.
6/ In 2001, total world coal flows include a balancing item term used to reconcile discrepancies between reported exports and imports. For 2001, the balancing item for metallurgical coal amounted to 1.9 million short tons.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 data: SSY Consultancy and Research Ltd, SSY's Coal Trade Forecast, Vol. 11, No. 4 (London, United Kingdom, September 2002); Energy Information Administration (EIA), Quarterly Coal Report, October-December 2001, DOE/EIA-0121(2001/4Q) (Washington, DC, May 2002); and Statistics Canada, Coal and Coke Statistics -- December 2001, Catalogue 45-002-XIB, Vol. 80, No. 12 (Ottawa, Canada, March 2002); and International Energy Agency, Coal Information 2002 (Paris, France, July 2002), web site www.iea.org.
Projections: AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 114. World Total Coal Flows By Importing Regions and Exporting Countries 1,2/
(Million Short Tons)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Total Coal Exports to Europe 3/													
Australia	39.5	40.9	40.9	41.1	43.7	44.0	43.6	43.7	43.7	43.8	43.8	43.5	43.3
United States	27.4	22.1	15.1	15.3	15.6	15.5	15.9	15.9	14.9	14.9	14.7	12.8	12.4
South Africa	56.0	63.1	71.9	70.4	69.4	68.7	69.2	70.1	71.0	71.9	72.7	72.4	72.0
Former Soviet Union	21.5	19.2	19.3	20.0	20.3	20.6	20.6	20.6	22.1	22.4	22.6	22.8	23.0
Poland	19.0	20.2	19.5	17.5	15.5	13.4	12.8	12.2	11.5	10.9	10.3	9.8	9.3
Canada	8.5	7.3	18.1	18.4	16.3	16.4	16.9	17.5	18.0	18.6	19.1	20.4	19.8
China	3.5	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South America	30.8	29.5	27.4	28.9	30.3	32.0	32.6	33.4	35.2	35.9	36.9	38.1	39.4
Indonesia 4/	5.0	12.1	10.4	11.2	11.9	12.7	12.5	11.8	9.4	8.5	7.6	5.9	4.2
Total	211.2	220.0	222.6	222.8	223.0	223.3	224.3	225.1	225.9	226.8	227.6	225.7	223.5
Total Coal Exports to Asia													
Australia	159.4	164.1	176.1	179.0	182.0	185.7	189.6	193.2	195.3	198.7	202.2	201.5	200.8
United States	6.6	3.2	3.8	3.9	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.5
South Africa	14.7	8.6	1.1	3.9	6.2	8.1	8.4	8.3	8.3	8.2	8.1	9.6	11.1
Former Soviet Union	9.7	9.9	10.6	10.6	10.6	10.7	10.8	10.9	11.0	11.0	11.1	11.3	11.4
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Canada	22.6	18.9	11.4	10.8	10.3	9.7	9.3	8.9	8.4	8.0	7.8	7.8	7.8
China	60.9	92.0	105.5	108.2	110.9	113.5	116.7	119.9	123.1	126.3	129.3	130.2	131.2
South America	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Indonesia 4/	57.1	62.5	63.2	65.0	66.8	68.6	70.3	72.5	76.2	78.7	81.0	84.0	86.9
Total	331.1	359.2	371.8	381.4	391.1	400.7	409.4	418.0	426.7	435.4	444.0	448.9	453.7
Total Coal Exports to America													
Australia	8.9	8.6	8.2	8.4	8.6	8.8	9.1	9.3	9.5	9.8	10.0	10.3	10.6
United States	24.3	23.3	21.7	21.1	19.7	19.1	18.1	17.2	17.5	16.6	16.0	14.5	14.1
South Africa	2.3	2.4	2.9	2.9	2.9	3.0	3.1	3.3	3.5	3.7	3.8	3.8	3.8
Former Soviet Union	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Poland	0.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Canada	4.3	6.2	6.1	6.4	6.7	6.9	7.3	8.0	8.4	8.9	9.4	11.1	11.7
China	0.2	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
South America	15.1	20.4	26.5	28.1	29.6	31.0	32.0	32.8	32.7	33.6	34.3	34.9	35.4
Indonesia 4/	2.4	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	57.9	66.4	65.4	66.9	67.5	68.8	69.6	70.6	71.7	72.5	73.5	74.7	75.7
Total Coal Exports 5/													
Australia	205.8	214.2	225.2	228.5	234.3	238.5	242.3	246.1	248.5	252.2	255.9	255.3	254.7
United States	58.4	48.7	40.6	40.3	39.6	38.9	38.3	37.5	36.8	36.0	35.1	31.8	31.0
South Africa	77.1	76.2	75.9	77.2	78.5	79.8	80.8	81.8	82.7	83.7	84.7	85.8	87.0
Former Soviet Union	31.3	29.4	29.9	30.6	31.0	31.3	31.4	31.4	33.1	33.4	33.7	34.1	34.5
Poland	17.6	20.8	19.5	17.5	15.5	13.4	12.8	12.2	11.5	10.9	10.3	9.8	9.3
Canada	37.9	33.6	35.6	35.6	33.3	33.1	33.6	34.3	34.9	35.5	36.3	39.3	39.4
China	60.4	100.2	105.5	108.2	110.9	113.5	116.7	119.9	123.1	126.3	129.3	130.2	131.2
South America	47.1	49.8	53.9	56.9	59.9	62.9	64.6	66.3	67.9	69.6	71.2	73.0	74.8
Indonesia 4/	71.0	76.9	73.7	76.2	78.8	81.3	82.8	84.2	85.7	87.2	88.6	89.9	91.1
Total	603.5	650.0	659.7	671.1	681.6	692.8	703.2	713.7	724.2	734.7	745.2	749.2	752.9

Table 114. World Total Coal Flows By Importing Regions and Exporting Countries 1,2/
(Million Short Tons)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Total Coal Exports to Europe 3/														
Australia	43.0	42.7	42.4	42.3	42.1	40.5	41.8	39.8	37.6	35.5	34.7	34.9	34.7	-0.7%
United States	13.0	12.2	10.0	9.5	9.5	9.3	9.1	8.9	9.0	9.0	9.0	8.7	8.7	-3.8%
South Africa	71.7	71.3	71.0	70.7	70.3	70.0	69.7	69.4	68.9	68.4	68.0	68.8	67.0	0.3%
Former Soviet Union	21.0	21.0	23.7	23.5	21.7	21.3	17.9	20.8	20.9	21.0	19.6	16.3	15.7	-0.8%
Poland	8.8	8.3	7.8	7.6	7.3	7.1	6.9	6.6	6.3	6.0	5.6	5.3	5.0	-5.7%
Canada	19.0	18.2	17.7	16.4	16.1	16.0	15.8	12.9	12.8	12.6	12.4	12.3	12.1	2.1%
China	0.0	0.0	0.0	1.4	1.4	1.5	1.5	1.6	1.7	1.9	2.1	2.3	2.4	-3.4%
South America	40.6	41.9	43.1	44.6	46.0	47.4	48.9	50.3	52.1	53.8	55.5	57.2	59.0	2.9%
Indonesia 4/	4.2	3.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total	221.3	219.2	217.4	216.0	214.5	213.1	211.6	210.3	209.2	208.1	207.0	205.8	204.7	-0.3%
Total Coal Exports to Asia														
Australia	201.7	202.1	201.2	202.2	204.9	207.5	210.1	212.7	215.7	218.7	221.7	226.1	227.7	1.4%
United States	4.5	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	1.7%
South Africa	12.6	14.1	15.6	15.9	16.2	16.5	16.8	17.1	17.5	18.0	18.4	17.4	19.2	3.4%
Former Soviet Union	11.6	11.8	11.9	12.1	12.2	12.4	12.5	12.7	12.8	13.0	13.1	13.3	13.4	1.3%
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	-3.6%
China	132.1	133.0	133.9	134.6	135.3	136.0	136.7	137.3	137.4	137.4	137.5	137.5	137.6	1.7%
South America	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia 4/	88.2	90.0	93.2	95.6	96.5	97.3	98.1	98.9	99.8	100.7	101.6	102.5	103.3	2.1%
Total	458.6	463.4	468.2	472.9	477.5	482.1	486.6	491.2	495.8	500.3	504.8	509.3	513.8	1.5%
Total Coal Exports to America														
Australia	11.0	11.3	11.6	11.9	12.1	12.4	12.7	12.9	14.9	15.4	15.4	15.5	15.5	2.5%
United States	14.0	13.9	14.0	13.5	13.7	14.1	14.5	14.9	13.1	12.7	12.6	12.6	12.5	-2.5%
South Africa	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	2.0%
Former Soviet Union	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	12.1	12.5	12.6	13.5	13.5	13.3	13.1	12.9	12.8	12.8	12.7	12.7	12.6	3.0%
China	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
South America	36.0	36.6	37.1	37.7	38.4	39.0	39.6	40.2	40.7	41.1	41.6	42.1	42.6	3.1%
Indonesia 4/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total	76.8	78.0	79.1	80.3	81.5	82.6	83.7	84.8	85.4	85.8	86.2	86.6	87.0	1.1%
Total Coal Exports 5/														
Australia	255.7	256.1	255.2	256.4	259.1	260.4	264.5	265.4	268.3	269.6	271.8	276.5	278.0	1.1%
United States	31.5	30.7	28.6	27.6	27.8	28.1	28.3	28.5	26.8	26.4	26.4	26.0	26.0	-2.6%
South Africa	88.1	89.2	90.4	90.4	90.4	90.3	90.3	90.3	90.2	90.2	90.2	90.1	90.1	0.7%
Former Soviet Union	32.6	32.7	35.6	35.6	33.9	33.6	30.4	33.5	33.8	34.0	32.8	29.6	29.1	0.0%
Poland	8.8	8.3	7.8	7.6	7.3	7.1	6.9	6.6	6.3	6.0	5.6	5.3	5.0	-5.8%
Canada	38.9	38.5	38.1	37.7	37.4	37.1	36.7	33.6	33.4	33.2	33.0	32.7	32.5	-0.1%
China	132.1	133.0	134.0	136.0	136.7	137.4	138.2	138.9	139.1	139.3	139.6	139.8	140.0	1.4%
South America	76.6	78.4	80.3	82.3	84.4	86.4	88.5	90.5	92.7	94.9	97.1	99.3	101.5	3.0%
Indonesia 4/	92.3	93.6	94.8	95.6	96.5	97.3	98.1	98.9	99.8	100.7	101.6	102.5	103.3	1.2%
Total	756.7	760.6	764.8	769.2	773.4	777.7	781.9	786.3	790.4	794.2	798.0	801.7	805.5	0.9%

Table 114. World Total Coal Flows By Importing Regions and Exporting Countries 1,2/
(Million Short Tons)

1/ Import Regions:
Europe: Algeria, Austria, Belgium, Bulgaria, Croatia, Denmark, Egypt, Finland, France, Germany, Greece, Ireland, Israel, Italy, Luxembourg, Malta, Morocco, Netherlands, Norway, Portugal, Romania, Spain, Sweden, Tunisia, Turkey, United Kingdom
Asia: Bangladesh, China, Hong Kong, India, Iran, Japan, Malaysia, North Korea, Pakistan, Philippines, South Korea, Sri Lanka, Taiwan, Thailand
America: Argentina, Brazil, Canada, Chile, Mexico, United States
2/ Excludes non-seaborne shipments of coal to Europe and Asia.
3/ Coal exports to Europe include exports to the Middle East and Northern Africa.
4/ In 2001, exports from Indonesia include an additional 3.6 million short tons of exports from other countries not included in the forecast period.
5/ In 2001, total world coal flows include a balancing item term used to reconcile discrepancies between reported exports and imports. For 2001, the balancing item amounted to 4.4 million short tons.
Note: Totals may not equal sum of components due to independent rounding.
Sources: 2001 data: SSY Consultancy and Research Ltd, SSY's Coal Trade Forecast, Vol. 11, No. 4 (London, United Kingdom, September 2002); Energy Information Administration (EIA), Quarterly Coal Report, October-December 2001, DOE/EIA-0121(2001/4Q) (Washington, DC, May 2002); and Statistics Canada, Coal and Coke Statistics -- December 2001, Catalogue 45-002-XIB, Vol. 80, No. 12 (Ottawa, Canada, March 2002). Projections: AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 115. Coal Prices by Region and Type
(2001 Dollars per Short Ton)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Northern Appalachia	25.62	24.66	24.31	24.21	23.67	23.82	23.67	23.21	22.54	22.28	22.07	21.89	21.66
Medium Sulfur (Premium) 1/	36.45	35.20	31.42	31.58	31.26	30.95	30.49	30.34	30.19	29.89	29.89	29.59	29.59
Low Sulfur (Bituminous) 2/	48.82	47.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Medium Sulfur (Bituminous) 2/	27.10	26.16	25.91	25.97	25.37	25.33	25.26	24.86	24.16	23.90	23.71	23.51	23.28
High Sulfur (Bituminous)	25.03	24.16	24.26	23.93	23.39	23.80	23.50	22.90	22.14	21.91	21.68	21.47	21.21
High Sulfur (Gob) 3/	12.79	12.34	13.54	13.75	13.75	13.62	13.41	13.22	13.15	13.02	13.02	13.02	13.02
Central Appalachia	26.24	28.16	27.79	27.58	27.25	26.86	26.76	26.65	26.36	26.13	25.88	25.84	25.65
Medium Sulfur (Premium) 1/	27.93	30.08	27.36	27.22	26.95	26.42	26.29	25.97	25.58	25.33	25.15	24.74	24.80
Low Sulfur (Bituminous)	25.99	27.98	27.20	27.47	27.26	26.98	26.89	26.50	26.20	26.00	25.85	26.31	26.43
Medium Sulfur (Bituminous)	25.80	27.77	28.13	27.71	27.32	26.90	26.81	26.86	26.60	26.36	26.05	25.82	25.42
Southern Appalachia	33.51	33.63	30.79	31.09	31.01	31.08	30.97	30.59	30.34	30.19	29.98	29.55	29.32
Low Sulfur (Premium) 1/	37.30	37.56	35.26	35.08	35.08	34.74	34.56	34.05	33.88	33.88	33.59	32.70	32.66
Low Sulfur (Bituminous)	32.39	32.61	25.74	26.23	25.87	25.57	25.72	25.62	25.52	25.29	25.73	26.18	26.28
Medium Sulfur (Bituminous)	31.43	31.64	29.27	29.89	29.83	30.32	30.26	30.05	29.75	29.55	29.35	29.13	28.68
Eastern Interior	W	W	22.48	22.28	21.97	21.96	21.82	21.39	21.18	20.87	20.64	20.33	20.12
Medium Sulfur (Bituminous)	22.52	22.59	22.56	22.88	22.38	21.99	22.06	21.90	21.70	21.51	21.36	21.14	20.71
High Sulfur (Bituminous)	21.55	21.62	22.60	22.39	22.20	22.37	22.14	21.59	21.40	21.05	20.81	20.46	20.33
Medium Sulfur (Lignite)	W	W	8.11	12.94	12.81	12.73	12.68	12.45	12.25	12.15	11.83	11.74	11.53
Western Interior High Sulfur (Bituminous)	26.75	26.88	27.36	27.86	27.88	28.61	28.36	28.01	27.65	27.49	27.07	26.62	26.03
Gulf	13.61	16.43	13.85	13.67	13.95	14.02	13.83	13.76	13.57	13.56	13.01	12.60	12.47
Medium Sulfur (Lignite)	14.54	17.55	14.33	14.19	14.48	14.57	14.36	14.31	14.10	14.10	13.55	13.14	13.03
High Sulfur (Lignite)	11.57	13.96	13.16	12.97	13.22	13.24	13.04	12.98	12.77	12.78	12.17	11.70	11.52
Dakota Medium Sulfur (Lignite)	8.62	8.53	8.95	8.82	8.69	8.52	8.40	8.28	8.15	8.07	8.00	8.00	7.92
Powder/Green River	W	6.10	6.15	6.02	5.89	5.74	5.71	5.65	5.61	5.56	5.60	5.65	5.70
Low Sulfur (Bituminous)	W	0.00	16.52	16.43	16.35	16.26	22.50	22.31	22.16	21.97	20.56	20.36	20.56
Low Sulfur (Sub-Bituminous)	5.83	5.97	6.02	5.86	5.75	5.62	5.54	5.50	5.47	5.42	5.47	5.53	5.58
Medium Sulfur (Sub-Bituminous)	7.39	7.57	7.62	7.64	7.49	7.27	7.16	7.06	6.96	6.96	6.96	6.96	6.89
Rocky Mountain	17.89	18.44	17.86	17.77	17.61	17.17	16.89	16.75	16.36	16.32	16.18	16.32	16.58
Low Sulfur (Bituminous)	W	W	17.44	17.43	17.09	16.61	16.37	16.29	15.88	15.88	15.72	15.91	16.28
Low Sulfur (Sub-Bituminous)	W	W	20.11	19.82	20.50	20.30	20.00	19.70	19.41	19.22	19.22	19.22	19.02
Arizona/New Mexico	W	W	20.61	20.72	20.48	20.23	20.01	19.79	19.64	19.52	19.47	19.41	19.40
Low Sulfur (Bituminous)	W	W	20.57	20.57	20.63	20.43	20.17	20.05	19.75	19.60	19.60	19.47	19.63
Medium Sulfur (Bituminous)	W	W	23.71	25.23	24.00	23.52	23.18	22.83	22.72	22.72	22.49	22.49	22.49
Medium Sulfur (Sub-Bituminous)	W	W	19.91	18.05	18.05	17.88	17.79	17.52	17.61	17.44	17.44	17.44	17.09
Washington/Alaska													
Medium Sulfur (Sub-Bituminous)	W	W	27.84	27.70	27.71	27.43	27.30	27.16	27.03	27.02	27.02	27.02	27.02

Table 115. Coal Prices by Region and Type
(2001 Dollars per Short Ton)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Average by Type: All Regions													
Premium Metallurgical 1/	29.70	31.49	28.78	28.67	28.44	27.95	27.79	27.46	27.12	26.91	26.72	26.24	26.28
Bituminous	24.53	25.19	25.02	24.85	24.46	24.27	24.12	23.87	23.54	23.29	23.08	22.97	22.72
Sub-Bituminous	7.37	7.48	7.20	6.92	6.84	6.68	6.56	6.45	6.38	6.29	6.30	6.32	6.33
Lignite	11.86	13.25	12.08	12.05	12.25	12.27	12.10	12.00	11.82	11.77	11.32	11.01	10.88
Low Sulfur	11.26	11.60	10.90	10.97	10.87	10.64	10.51	10.28	10.04	9.84	9.65	9.76	9.91
Medium Sulfur	22.59	23.57	22.96	22.69	22.34	22.18	22.15	22.12	21.85	21.66	21.40	21.17	20.90
High Sulfur	21.36	21.36	21.47	21.19	20.85	21.17	20.96	20.43	20.02	19.75	19.60	19.41	19.25
U.S. Average	17.18	17.59	17.01	16.91	16.60	16.50	16.34	16.05	15.68	15.37	14.99	14.78	14.60

Table 115. Coal Prices by Region and Type
(2001 Dollars per Short Ton)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Northern Appalachia	21.67	21.65	21.54	21.62	21.55	21.77	21.80	21.78	21.75	21.88	21.88	22.03	22.13	-0.4%
Medium Sulfur (Premium) 1/	29.59	29.59	29.44	29.59	29.44	29.59	29.44	29.58	29.44	29.58	29.58	29.58	29.43	-0.7%
Low Sulfur (Bituminous) 2/	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
Medium Sulfur (Bituminous) 2/	23.27	23.22	23.09	23.17	23.05	23.25	23.30	23.24	23.20	23.32	23.30	23.55	23.78	-0.4%
High Sulfur (Bituminous)	21.26	21.27	21.16	21.27	21.20	21.43	21.48	21.45	21.43	21.56	21.56	21.59	21.50	-0.5%
High Sulfur (Gob) 3/	13.02	13.02	13.09	13.15	13.22	13.29	13.35	13.42	13.35	13.42	13.42	13.42	13.49	0.4%
Central Appalachia	25.90	25.88	26.09	26.06	26.00	26.13	26.14	25.99	25.81	25.87	25.78	25.98	26.09	-0.3%
Medium Sulfur (Premium) 1/	24.86	24.94	24.82	24.70	24.62	24.74	24.62	24.74	24.16	24.09	24.02	24.07	23.95	-0.9%
Low Sulfur (Bituminous)	26.40	26.32	26.33	26.23	26.08	26.21	26.25	26.07	25.93	26.01	25.91	26.13	26.27	-0.3%
Medium Sulfur (Bituminous)	25.85	25.86	26.22	26.22	26.22	26.34	26.37	26.18	26.04	26.12	26.02	26.22	26.35	-0.2%
Southern Appalachia	29.29	29.22	29.16	28.95	28.80	28.70	28.52	28.33	28.00	27.90	27.78	27.71	27.61	-0.8%
Low Sulfur (Premium) 1/	32.63	32.59	32.40	32.08	31.92	31.91	31.63	31.60	30.94	30.79	30.62	30.59	30.38	-0.9%
Low Sulfur (Bituminous)	26.26	26.19	26.20	26.11	25.96	25.74	25.63	25.35	25.13	25.05	24.88	24.77	24.53	-1.2%
Medium Sulfur (Bituminous)	28.66	28.56	28.53	28.40	28.23	28.09	27.92	27.65	27.50	27.45	27.34	27.30	27.28	-0.6%
Eastern Interior	20.24	20.25	20.30	20.34	20.24	20.32	20.26	20.18	20.13	20.18	20.16	20.16	20.05	W
Medium Sulfur (Bituminous)	21.22	21.28	21.52	21.63	21.63	21.51	21.38	21.22	21.15	21.10	21.04	20.98	20.83	-0.3%
High Sulfur (Bituminous)	20.24	20.23	20.12	20.09	19.91	20.13	20.10	20.08	20.04	20.14	20.14	20.15	20.04	-0.3%
Medium Sulfur (Lignite)	11.72	11.73	11.80	11.82	11.78	11.84	11.81	11.75	11.72	11.74	11.69	11.62	11.54	W
Western Interior High Sulfur (Bituminous)	25.97	25.89	25.75	25.65	25.45	25.21	24.92	24.66	24.57	24.45	24.37	24.18	24.09	-0.5%
Gulf	12.38	12.32	12.30	12.38	12.40	12.35	12.19	12.17	12.19	12.17	12.17	12.13	12.10	-1.3%
Medium Sulfur (Lignite)	12.91	12.83	12.81	12.88	12.89	12.84	12.68	12.64	12.66	12.63	12.62	12.58	12.55	-1.4%
High Sulfur (Lignite)	11.48	11.44	11.47	11.58	11.62	11.59	11.45	11.44	11.47	11.46	11.47	11.44	11.43	-0.8%
Dakota Medium Sulfur (Lignite)	7.92	7.92	7.96	7.92	7.96	8.00	8.04	8.08	8.04	8.00	8.01	8.01	8.05	-0.2%
Powder/Green River	5.74	5.85	5.88	5.97	6.06	6.14	6.23	6.31	6.34	6.41	6.47	6.53	6.53	0.3%
Low Sulfur (Bituminous)	20.56	20.77	20.87	20.98	21.08	21.00	20.85	20.68	20.58	20.52	20.43	20.37	20.22	N/A
Low Sulfur (Sub-Bituminous)	5.64	5.75	5.78	5.87	5.96	6.04	6.14	6.23	6.26	6.33	6.39	6.46	6.46	0.3%
Medium Sulfur (Sub-Bituminous)	6.82	6.89	6.94	7.02	7.06	7.09	7.13	7.17	7.20	7.24	7.31	7.31	7.35	-0.1%
Rocky Mountain	16.53	16.52	16.58	16.58	16.51	16.41	16.57	16.60	16.66	16.67	16.67	16.67	16.73	-0.4%
Low Sulfur (Bituminous)	16.23	16.24	16.34	16.35	16.32	16.24	16.48	16.56	16.63	16.63	16.63	16.63	16.69	W
Low Sulfur (Sub-Bituminous)	19.02	18.84	18.74	18.65	18.37	18.10	17.65	17.04	17.12	17.21	17.21	17.21	17.29	W
Arizona/New Mexico	19.35	19.34	19.31	19.24	19.21	19.21	19.13	19.23	19.23	19.32	19.32	19.32	19.28	W
Low Sulfur (Bituminous)	19.57	19.53	19.55	19.50	19.40	19.50	19.40	19.50	19.60	19.69	19.69	19.69	19.59	W
Medium Sulfur (Bituminous)	22.49	22.49	22.38	22.27	22.38	22.27	22.16	22.27	22.16	22.27	22.27	22.27	22.15	W
Medium Sulfur (Sub-Bituminous)	16.92	16.92	16.84	16.76	16.67	16.59	16.51	16.59	16.51	16.59	16.59	16.59	16.67	W
Washington/Alaska														
Medium Sulfur (Sub-Bituminous)	27.02	27.02	27.16	27.02	27.16	27.29	27.15	27.29	27.43	27.29	27.29	27.29	27.42	W

Table 115. Coal Prices by Region and Type
(2001 Dollars per Short Ton)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Average by Type: All Regions														
Premium Metallurgical 1/	26.31	26.36	26.23	26.08	25.99	26.06	25.92	25.99	25.46	25.40	25.32	25.35	25.23	-0.9%
Bituminous	22.84	22.82	22.89	22.88	22.80	22.87	22.86	22.76	22.67	22.73	22.65	22.75	22.81	-0.4%
Sub-Bituminous	6.35	6.43	6.45	6.51	6.56	6.63	6.68	6.74	6.78	6.83	6.88	6.94	6.94	-0.3%
Lignite	10.82	10.77	10.77	10.81	10.83	10.82	10.73	10.73	10.70	10.67	10.67	10.64	10.65	-0.9%
Low Sulfur	9.88	9.85	9.84	9.79	9.73	9.71	9.77	9.74	9.74	9.72	9.73	9.79	9.83	-0.7%
Medium Sulfur	21.19	21.20	21.34	21.28	21.20	21.25	21.19	21.07	20.91	20.90	20.81	20.93	20.98	-0.5%
High Sulfur	19.24	19.26	19.18	19.20	19.08	19.31	19.36	19.34	19.35	19.46	19.49	19.53	19.44	-0.4%
U.S. Average	14.65	14.63	14.67	14.59	14.49	14.51	14.48	14.38	14.32	14.28	14.24	14.32	14.36	-0.8%

Table 115. Coal Prices by Region and Type
(2001 Dollars per Short Ton)

1/ "Premium" coal is used to make metallurgical coke.
2/ Includes Pennsylvania anthracite.
3/ Waste coal delivered to Independent Power Producers (IPP) that is not included in other Energy Information Administration coal tables. The averages for this table include this waste coal tonnage in the forecast years.
Northern Appalachia: PA, MD, OH, Northern WV (PA anthracite is included under low and medium sulfur bituminous).
Central Appalachia: Southern WV, VA, Eastern KY
Southern Appalachia: AL, TN.
Eastern Interior: IL, IN, MS, Western KY.
Western Interior (Bituminous Only): IA, MO, KS, OK, AR, TX.
Gulf (Lignite Only): TX, LA, AR.
Dakota: ND, Eastern MT (Lignite Only).
Powder/Green River: WY, MT (Sub-Bituminous and Bituminous)
Rocky Mountains: CO, UT.
Sulfur Definitions:
Low Sulfur: 0 - 0.60 pounds of sulfur per million Btu.
Medium Sulfur: 0.61 - 1.67 pounds of sulfur per million Btu.
High Sulfur: Over 1.67 pounds of sulfur per million Btu.
Btu = British thermal unit.
W = Withheld.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 116. Indicators of Macroeconomic Activity

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Value of Shipments, National (billion 1996 dollars)													
Total Industrial	5719.1	5424.9	5331.7	5545.2	5757.6	5882.2	6059.6	6277.4	6480.1	6704.0	6958.6	7198.3	7429.8
Total Nonmanufacturing	1341.5	1345.9	1328.7	1320.1	1334.3	1339.9	1357.8	1402.1	1441.1	1470.8	1505.2	1542.4	1573.2
Coal Mining	28.4	29.7	27.9	28.3	28.3	28.9	29.7	30.5	30.8	31.1	31.4	31.6	31.8
Oil and Gas Extraction	80.2	80.3	80.5	81.7	81.9	81.6	84.4	84.8	85.8	86.1	86.3	87.1	88.1
Total Manufacturing	4377.6	4079.0	4003.0	4225.1	4423.4	4542.3	4701.8	4875.4	5038.9	5233.2	5453.4	5655.9	5856.7
Petroleum Refining	164.0	170.1	173.0	176.7	176.9	179.5	181.5	185.8	188.9	191.8	195.5	198.3	201.2
Paper	165.4	154.2	152.3	157.0	160.4	162.8	164.7	167.5	170.5	174.7	179.9	184.6	188.4
Chemicals	413.4	388.2	384.6	398.6	408.4	415.3	425.6	440.1	454.9	472.1	491.4	510.4	527.6
Stone, Clay, and Glass	99.8	87.6	79.5	80.3	82.9	84.8	87.1	90.1	92.7	95.5	98.7	102.0	103.5
Primary Metals	195.1	175.6	169.1	177.5	183.4	185.2	189.1	195.3	199.6	205.4	212.8	219.7	224.7
Basic Steel	75.4	67.5	66.0	69.6	71.4	72.2	73.9	76.0	77.6	79.8	82.3	84.8	86.3
Primary Aluminum	31.7	30.3	29.4	30.6	31.4	31.3	31.5	32.1	32.9	33.7	34.8	35.7	36.3
Fabricated Metals	237.8	217.3	213.8	224.0	231.2	235.0	238.6	244.4	249.5	256.1	264.4	272.4	280.1
Industrial Machinery	494.6	442.9	424.4	467.6	505.8	532.0	568.0	592.2	623.2	657.6	696.1	732.1	770.5
Electrical Machinery	511.6	441.0	437.6	512.0	581.0	628.6	687.7	744.1	805.8	875.1	948.6	1017.5	1088.0
Transportation Equipment	565.2	528.8	502.3	533.9	569.4	582.7	607.6	636.1	649.4	667.7	686.7	701.6	714.1
Other Manufacturing	1530.8	1473.3	1466.4	1497.6	1524.0	1536.3	1551.9	1579.8	1604.6	1637.1	1679.2	1717.5	1758.4
Real Disposable Income by Census Division (billion 1996 dollars)													
New England	388	393	408	412	415	422	432	442	453	465	479	491	504
Middle Atlantic	1041	1056	1100	1114	1122	1143	1168	1195	1226	1257	1291	1323	1357
East North Central	1057	1069	1109	1118	1125	1145	1170	1197	1227	1259	1295	1329	1363
West North Central	427	433	450	455	459	468	479	492	505	519	534	549	564
South Atlantic	1190	1216	1275	1301	1323	1362	1407	1456	1510	1567	1630	1688	1750
East South Central	336	341	355	359	363	370	379	389	400	411	424	436	449
West South Central	664	678	711	725	736	756	779	804	831	860	893	924	955
Mountain	389	400	423	435	446	462	481	502	524	548	574	599	624
Pacific	1138	1162	1217	1241	1259	1293	1331	1372	1417	1464	1517	1566	1616
United States	6630	6748	7047	7161	7249	7421	7626	7848	8094	8350	8637	8905	9181
Non-Agricultural Employment by Census Division (millions)													
New England	7.0	7.0	6.9	7.0	7.1	7.2	7.2	7.3	7.4	7.5	7.5	7.6	7.7
Middle Atlantic	18.2	18.2	18.0	18.1	18.4	18.5	18.7	18.8	19.0	19.2	19.3	19.5	19.6
East North Central	22.0	21.9	21.6	21.7	22.1	22.2	22.4	22.6	22.8	23.0	23.3	23.5	23.6
West North Central	9.8	9.8	9.7	9.8	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8
South Atlantic	24.7	24.8	24.7	25.1	25.7	26.1	26.5	27.0	27.6	28.0	28.6	29.1	29.5
East South Central	7.7	7.7	7.6	7.6	7.8	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.4
West South Central	14.0	14.1	14.0	14.2	14.6	14.8	15.0	15.3	15.6	15.8	16.1	16.4	16.6
Mountain	8.5	8.6	8.7	8.9	9.2	9.4	9.6	9.9	10.1	10.4	10.6	10.9	11.1
Pacific	19.5	19.7	19.7	20.0	20.5	20.8	21.2	21.5	21.9	22.3	22.7	23.1	23.3
United States	131.3	131.7	130.8	132.6	135.3	137.0	138.6	140.7	142.9	144.7	147.1	149.3	150.5

Table 116. Indicators of Macroeconomic Activity

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Value of Shipments, National (billion 1996 dollars)														
Total Industrial	7634.5	7852.7	8029.1	8184.7	8362.2	8551.3	8769.2	8963.0	9160.6	9400.6	9636.1	9903.8	10126.2	2.6%
Total Nonmanufacturing	1588.6	1614.4	1635.8	1651.6	1669.2	1686.6	1714.8	1743.2	1766.6	1792.8	1814.2	1841.2	1869.2	1.4%
Coal Mining	32.1	32.3	32.8	33.1	33.5	33.8	34.2	34.5	34.6	35.0	35.4	35.8	36.5	0.9%
Oil and Gas Extraction	88.3	88.8	89.4	89.6	89.8	91.1	92.6	93.7	94.8	96.4	96.6	97.3	97.2	0.8%
Total Manufacturing	6045.9	6238.2	6393.3	6533.1	6693.0	6864.7	7054.4	7219.9	7394.1	7607.8	7821.9	8062.6	8257.1	3.0%
Petroleum Refining	203.1	204.3	205.2	206.3	207.6	209.0	210.4	211.8	212.3	212.8	213.4	214.2	214.7	1.0%
Paper	192.0	195.6	198.6	201.3	204.2	207.4	210.8	213.7	216.3	219.5	222.6	225.9	229.1	1.7%
Chemicals	541.8	556.1	568.8	582.2	598.4	614.7	631.1	645.4	661.0	676.9	691.8	707.9	724.1	2.6%
Stone, Clay, and Glass	104.3	105.6	106.4	107.0	107.8	108.8	110.4	111.5	112.6	114.2	115.6	117.3	117.7	1.2%
Primary Metals	228.0	231.5	232.4	232.4	233.6	235.2	237.7	238.1	238.3	240.8	242.6	245.8	248.0	1.4%
Basic Steel	87.2	88.0	87.8	87.5	87.7	88.2	88.7	88.3	88.3	88.8	89.2	89.9	90.2	1.2%
Primary Aluminum	37.0	37.7	38.2	38.6	39.0	39.4	39.9	40.1	40.4	40.9	41.4	41.9	42.5	1.4%
Fabricated Metals	287.2	294.7	300.4	305.2	310.6	316.5	322.9	328.2	333.4	340.3	346.8	354.0	360.8	2.1%
Industrial Machinery	808.6	844.7	873.5	900.5	931.9	967.7	1004.9	1041.4	1084.1	1134.4	1189.8	1248.9	1282.0	4.5%
Electrical Machinery	1154.9	1214.8	1259.6	1294.3	1328.5	1365.4	1403.8	1439.8	1481.0	1529.4	1580.1	1634.7	1690.5	5.8%
Transportation Equipment	726.4	747.6	766.0	783.6	807.5	832.3	864.7	889.3	912.0	948.6	981.7	1026.1	1061.4	2.9%
Other Manufacturing	1799.7	1843.4	1882.4	1920.3	1962.9	2007.6	2057.6	2100.7	2143.1	2190.8	2237.7	2287.8	2328.8	1.9%
Real Disposable Income by Census Division (billion 1996 dollars)														
New England	517	531	545	559	574	589	605	619	632	646	662	679	696	2.4%
Middle Atlantic	1391	1427	1463	1497	1533	1570	1610	1643	1673	1706	1745	1787	1827	2.3%
East North Central	1398	1436	1474	1512	1551	1590	1634	1670	1704	1741	1784	1830	1874	2.4%
West North Central	579	596	613	630	647	665	685	702	717	734	753	774	795	2.6%
South Atlantic	1814	1883	1952	2022	2094	2169	2250	2324	2392	2466	2549	2637	2724	3.4%
East South Central	462	476	490	505	520	535	551	566	579	593	609	627	644	2.7%
West South Central	988	1023	1058	1092	1128	1165	1204	1240	1273	1309	1350	1393	1436	3.2%
Mountain	652	681	710	740	772	805	840	872	903	936	973	1013	1052	4.1%
Pacific	1668	1725	1781	1837	1895	1955	2020	2077	2130	2187	2252	2321	2388	3.0%
United States	9467	9779	10087	10395	10712	11043	11400	11713	12003	12318	12676	13061	13435	2.9%
Non-Agricultural Employment by Census Division (millions)														
New England	7.7	7.7	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.9	7.9	8.0	8.0	0.6%
Middle Atlantic	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.7	19.8	0.4%
East North Central	23.6	23.7	23.8	23.9	23.9	24.0	24.1	24.1	24.2	24.3	24.4	24.6	24.7	0.5%
West North Central	10.8	10.9	10.9	11.0	11.0	11.1	11.1	11.1	11.2	11.2	11.3	11.4	11.4	0.6%
South Atlantic	29.8	30.2	30.5	30.8	31.1	31.4	31.7	32.1	32.4	32.7	33.1	33.5	33.9	1.3%
East South Central	8.5	8.5	8.6	8.6	8.6	8.7	8.7	8.8	8.8	8.9	8.9	9.0	9.0	0.7%
West South Central	16.7	16.9	17.1	17.3	17.4	17.6	17.7	17.9	18.0	18.2	18.4	18.6	18.8	1.2%
Mountain	11.3	11.5	11.7	11.9	12.1	12.3	12.5	12.7	12.8	13.1	13.3	13.5	13.8	2.0%
Pacific	23.5	23.8	24.0	24.2	24.4	24.7	24.9	25.1	25.3	25.6	25.8	26.2	26.5	1.2%
United States	151.5	152.8	154.0	155.1	156.0	157.0	158.1	159.2	160.0	161.4	162.7	164.4	165.9	1.0%

Table 116. Indicators of Macroeconomic Activity

Note: Totals may not equal sum of components due to independent rounding.
Source: 2000 and 2001: Global Insight macroeconomic model CTL0802 and industry service August 2002, run for the Energy Information Administration (EIA). Projections: EIA, AEO2003 National Energy Modeling System run aeo2003.d110502c.

Table 117. Imported Petroleum by Source
(Million Barrels per Day)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Crude Oil													
Canada	1.34	1.36	1.37	1.39	1.41	1.43	1.45	1.46	1.47	1.48	1.49	1.50	1.51
Mexico	1.31	1.39	1.37	1.38	1.37	1.37	1.39	1.41	1.43	1.45	1.48	1.51	1.55
North Sea	0.60	0.53	0.49	0.49	0.49	0.47	0.47	0.46	0.46	0.46	0.45	0.45	0.44
OPEC	4.56	4.84	4.57	4.81	4.99	5.26	5.25	5.39	5.61	5.85	6.05	6.20	6.36
Latin America	1.22	1.29	1.32	1.43	1.54	1.59	1.61	1.63	1.67	1.69	1.72	1.74	1.77
North Africa	0.01	0.01	0.02	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.11	0.11
West Africa	0.88	0.84	0.68	0.73	0.75	0.79	0.79	0.81	0.87	0.87	0.89	0.90	0.91
Indonesia	0.04	0.04	0.06	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09
Persian Gulf	2.41	2.66	2.49	2.52	2.55	2.72	2.68	2.77	2.88	3.09	3.23	3.35	3.48
Other Middle East	0.03	0.04	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.03	0.03	0.03
Other Latin America	0.58	0.52	0.53	0.59	0.65	0.58	0.55	0.64	0.67	0.73	0.78	0.81	0.80
Other Africa	0.50	0.51	0.53	0.73	0.82	0.91	0.81	0.84	0.89	0.93	1.03	1.05	1.04
Other Asia	0.15	0.14	0.14	0.18	0.19	0.24	0.20	0.21	0.23	0.26	0.27	0.28	0.28
Total Crude Oil	9.07	9.33	9.02	9.59	9.94	10.29	10.14	10.43	10.78	11.18	11.58	11.83	12.01
Light Refined Products 1/													
Canada	0.39	0.39	0.40	0.42	0.39	0.40	0.41	0.42	0.43	0.45	0.45	0.46	0.47
Northern Europe	0.11	0.15	0.15	0.14	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Southern Europe	0.06	0.09	0.05	0.05	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06
OPEC	0.26	0.26	0.33	0.31	0.27	0.28	0.31	0.34	0.37	0.51	0.50	0.56	0.64
Latin America	0.19	0.16	0.21	0.19	0.16	0.17	0.18	0.19	0.20	0.28	0.28	0.33	0.40
North Africa	0.02	0.04	0.05	0.05	0.04	0.04	0.04	0.05	0.06	0.08	0.08	0.08	0.08
West Africa	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02
Indonesia	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
Persian Gulf	0.03	0.04	0.04	0.04	0.04	0.04	0.06	0.06	0.07	0.11	0.11	0.12	0.13
Caribbean Basin	0.31	0.27	0.28	0.29	0.17	0.18	0.19	0.19	0.21	0.25	0.25	0.27	0.35
Asian Exporters	0.12	0.11	0.11	0.10	0.09	0.09	0.09	0.09	0.10	0.12	0.12	0.13	0.15
Other	0.07	0.19	0.09	0.08	0.07	0.07	0.07	0.07	0.08	0.11	0.11	0.12	0.13
Total Light Refined Products	1.32	1.46	1.41	1.39	1.15	1.19	1.24	1.28	1.37	1.62	1.61	1.72	1.92
Heavy Refined Products 2/													
Canada	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.10	0.11	0.12	0.12	0.12
Northern Europe	0.14	0.15	0.06	0.07	0.08	0.08	0.09	0.08	0.08	0.08	0.08	0.08	0.08
Southern Europe	0.05	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
OPEC	0.41	0.44	0.33	0.47	0.46	0.47	0.53	0.56	0.57	0.56	0.74	0.85	0.94
Latin America	0.13	0.11	0.13	0.17	0.17	0.18	0.20	0.23	0.23	0.22	0.30	0.36	0.41
North Africa	0.20	0.22	0.10	0.14	0.13	0.13	0.13	0.12	0.12	0.12	0.13	0.14	0.14
West Africa	0.02	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Indonesia	0.01	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01
Persian Gulf	0.05	0.06	0.07	0.12	0.13	0.13	0.17	0.18	0.19	0.19	0.28	0.33	0.37
Caribbean Basin	0.21	0.17	0.18	0.22	0.16	0.16	0.19	0.25	0.33	0.32	0.43	0.49	0.55
Asian Exporters	0.10	0.11	0.10	0.11	0.10	0.09	0.11	0.13	0.14	0.13	0.16	0.19	0.19
Other	0.09	0.09	0.08	0.08	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09
Total Heavy Refined Products	1.07	1.08	0.85	1.05	0.97	0.98	1.11	1.21	1.32	1.30	1.64	1.84	1.99

Table 117. Imported Petroleum by Source
(Million Barrels per Day)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2001-2025
Crude Oil														
Canada	1.52	1.53	1.54	1.55	1.57	1.59	1.61	1.62	1.63	1.64	1.64	1.65	1.65	0.8%
Mexico	1.60	1.66	1.72	1.76	1.80	1.83	1.85	1.86	1.88	1.91	1.94	1.98	2.02	1.6%
North Sea	0.42	0.40	0.39	0.38	0.38	0.36	0.36	0.34	0.34	0.34	0.33	0.33	0.32	-2.1%
OPEC	6.52	6.68	6.84	6.98	7.10	7.18	7.24	7.33	7.41	7.45	7.55	7.64	7.74	2.0%
Latin America	1.79	1.81	1.82	1.84	1.84	1.87	1.89	1.93	1.95	1.97	2.02	2.07	2.12	2.1%
North Africa	0.10	0.10	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	9.1%
West Africa	0.92	0.93	0.94	0.95	0.96	0.97	0.98	1.00	1.02	1.03	1.05	1.07	1.09	1.1%
Indonesia	0.09	0.09	0.09	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.9%
Persian Gulf	3.62	3.75	3.90	4.04	4.16	4.21	4.24	4.27	4.31	4.32	4.35	4.37	4.40	2.1%
Other Middle East	0.03	0.03	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.6%
Other Latin America	0.78	0.72	0.69	0.63	0.57	0.55	0.51	0.50	0.49	0.46	0.45	0.44	0.44	-0.7%
Other Africa	1.03	1.00	0.93	0.90	0.87	0.86	0.81	0.81	0.77	0.73	0.71	0.70	0.70	1.3%
Other Asia	0.28	0.27	0.27	0.27	0.27	0.26	0.25	0.25	0.25	0.24	0.24	0.23	0.23	2.1%
Total Crude Oil	12.18	12.29	12.41	12.49	12.58	12.65	12.64	12.72	12.78	12.78	12.87	12.98	13.11	1.4%
Light Refined Products 1/														
Canada	0.48	0.49	0.50	0.51	0.57	0.58	0.60	0.61	0.62	0.63	0.63	0.63	0.64	2.1%
Northern Europe	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	-1.7%
Southern Europe	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-1.7%
OPEC	0.74	0.78	0.90	0.95	0.98	1.06	1.16	1.28	1.43	1.58	1.79	1.95	2.10	9.1%
Latin America	0.49	0.52	0.63	0.67	0.69	0.75	0.83	0.91	1.01	1.11	1.26	1.37	1.47	9.7%
North Africa	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.10	0.10	0.10	3.9%
West Africa	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.04	5.9%
Indonesia	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	0.0%
Persian Gulf	0.14	0.15	0.16	0.17	0.18	0.20	0.22	0.25	0.29	0.33	0.38	0.43	0.48	10.9%
Caribbean Basin	0.41	0.47	0.55	0.72	0.84	0.92	1.04	1.12	1.23	1.35	1.39	1.52	1.64	7.8%
Asian Exporters	0.17	0.18	0.19	0.21	0.22	0.25	0.26	0.26	0.29	0.32	0.37	0.39	0.43	5.8%
Other	0.14	0.15	0.17	0.18	0.19	0.20	0.20	0.21	0.23	0.24	0.27	0.31	0.35	2.6%
Total Light Refined Products	2.11	2.24	2.48	2.74	2.97	3.17	3.42	3.64	3.96	4.28	4.61	4.96	5.32	5.5%
Heavy Refined Products 2/														
Canada	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.09	0.5%
Northern Europe	0.08	0.08	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	-4.5%
Southern Europe	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	-2.8%
OPEC	1.05	1.19	1.20	1.21	1.22	1.25	1.27	1.29	1.30	1.31	1.31	1.31	1.31	4.7%
Latin America	0.47	0.54	0.55	0.56	0.57	0.58	0.59	0.60	0.61	0.61	0.61	0.61	0.61	7.4%
North Africa	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	-1.6%
West Africa	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	-4.5%
Indonesia	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	-2.8%
Persian Gulf	0.41	0.48	0.48	0.48	0.48	0.50	0.51	0.52	0.52	0.53	0.53	0.53	0.53	9.5%
Caribbean Basin	0.61	0.70	0.71	0.72	0.74	0.74	0.76	0.77	0.79	0.80	0.80	0.80	0.80	6.7%
Asian Exporters	0.18	0.18	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.15	1.3%
Other	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%
Total Heavy Refined Products	2.15	2.38	2.38	2.39	2.41	2.44	2.46	2.47	2.50	2.52	2.53	2.53	2.51	3.6%

Table 117. Imported Petroleum by Source
(Million Barrels per Day)

1/ Light refined products include gasoline, gasoline blending components, jet fuel, distillate fuel oil, liquefied petroleum gases, and kerosene.
2/ Heavy refined products include residual fuel oil, unfinished oils, and other refined products.
OPEC = Organization of Petroleum Exporting Countries - Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela.
Caribbean Basin = Bahama Islands, Colombia, Ecuador, Guatemala, Jamaica, Mexico, Netherlands Antilles, Panama, Puerto Rico, Trinidad and Tobago, and the Virgin Islands.
N/A = Not applicable.
Source: Energy Information Administration, AEO2003 National Energy Modeling System run aeo2003.d110502c.