Table 1. Energy Consumption by Sector and Source (1 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
New England

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Energy Consumption																						
Residential																						
Distillate Fuel	0.276	0.293	0.288	0.290	0.290	0.287	0.285	0.282	0.280	0.276	0.272	0.270	0.270	0.268	0.265	0.263	0.262	0.261	0.260	0.259	0.260	-0.3%
Kerosene	0.012	0.013	0.013	0.012	0.011	0.011	0.010	0.010	0.010	0.010	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.008	0.008	0.008	0.008	-2.1%
Liquefied Petroleum Gas	0.028	0.026	0.025	0.025	0.025	0.025	0.025	0.024	0.024	0.024	0.024	0.023	0.023	0.023	0.022	0.022	0.022	0.021	0.021	0.021	0.020	-1.5%
Petroleum Subtotal	0.316	0.331	0.326	0.327	0.326	0.323	0.319	0.316	0.314	0.310	0.305	0.303	0.302	0.299	0.296	0.293	0.292	0.290	0.289	0.288	0.288	-0.5%
Natural Gas	0.183	0.185	0.190	0.192	0.194	0.192	0.192	0.192	0.193	0.193	0.193	0.194	0.196	0.196	0.198	0.199	0.201	0.201	0.203	0.204	0.206	0.6%
Coal	0.001	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	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.5%
Renewable Energy 1/	0.033	0.033	0.033	0.033	0.034	0.034	0.034	0.034	0.035	0.035	0.035	0.035	0.036	0.036	0.036	0.036	0.037	0.037	0.037	0.038	0.038	0.8%
Electricity	0.142	0.146	0.150	0.155	0.158	0.161	0.163	0.165	0.167	0.169	0.170	0.172	0.174	0.175	0.177	0.178	0.180	0.182	0.183	0.185	0.187	1.4%
Delivered Energy	0.674	0.696	0.699	0.708	0.712	0.710	0.709	0.708	0.710	0.706	0.704	0.705	0.708	0.707	0.707	0.708	0.711	0.711	0.713	0.716	0.721	0.3%
Electricity Related Losses	0.344	0.350	0.327	0.357	0.360	0.368	0.346	0.337	0.333	0.333	0.338	0.343	0.348	0.345	0.347	0.358	0.361	0.360	0.363	0.364	0.363	0.3%
Total	1.019	1.046	1.026	1.066	1.073	1.077	1.055	1.045	1.043	1.039	1.042	1.048	1.056	1.052	1.054	1.066	1.071	1.071	1.076	1.080	1.084	0.3%
Commercial																						
Distillate Fuel	0.089	0.091	0.091	0.092	0.093	0.093	0.093	0.093	0.093	0.093	0.092	0.091	0.091	0.090	0.089	0.088	0.088	0.087	0.087	0.086	0.086	-0.2%
Residual Fuel	0.022	0.017	0.017	0.018	0.018	0.018	0.018	0.018	0.019	0.019	0.019	0.019	0.019	0.019	0.020	0.020	0.020	0.020	0.020	0.020	0.021	-0.4%
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.6%
Liquefied Petroleum Gas	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	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.2%
Motor Gasoline 2/	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	-0.5%
Petroleum Subtotal	0.119	0.115	0.116	0.117	0.118	0.118	0.119	0.119	0.119	0.119	0.118	0.118	0.118	0.117	0.116	0.116	0.115	0.115	0.115	0.114	0.114	-0.2%
Natural Gas	0.118	0.120	0.124	0.128	0.130	0.131	0.133	0.134	0.136	0.137	0.140	0.141	0.143	0.146	0.148	0.150	0.153	0.155	0.158	0.160	0.163	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	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.3%
Renewable Energy 3/	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.0%
Electricity	0.141	0.149	0.150	0.156	0.160	0.164	0.168	0.171	0.175	0.178	0.181	0.184	0.187	0.189	0.192	0.194	0.196	0.198	0.200	0.202	0.204	1.9%
Delivered Energy	0.393	0.399	0.405	0.415	0.423	0.429	0.434	0.439	0.444	0.449	0.454	0.458	0.463	0.467	0.471	0.475	0.479	0.483	0.487	0.491	0.496	1.2%
Electricity Related Losses	0.342	0.356	0.329	0.359	0.364	0.376	0.356	0.350	0.348	0.352	0.360	0.368	0.374	0.374	0.377	0.389	0.392	0.393	0.396	0.397	0.395	0.7%
Total	0.735	0.755	0.733	0.774	0.787	0.804	0.790	0.789	0.793	0.801	0.814	0.826	0.837	0.841	0.848	0.864	0.870	0.876	0.883	0.889	0.891	1.0%
Industrial 4/																						
Distillate Fuel	0.024	0.024	0.024	0.025	0.025	0.026	0.026	0.026	0.026	0.026	0.027	0.027	0.027	0.028	0.028	0.028	0.028	0.029	0.029	0.029	0.030	1.0%
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	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.8%
Petrochemical Feedstocks	0.051	0.045	0.050	0.051	0.052	0.053	0.053	0.054	0.055	0.056	0.056	0.058	0.058	0.059	0.059	0.059	0.060	0.060	0.060	0.060	0.060	0.8%
Residual Fuel	0.062	0.042	0.034	0.038	0.042	0.046	0.051	0.055	0.058	0.058	0.059	0.060	0.060	0.061	0.060	0.059	0.058	0.058	0.057	0.056	0.055	-0.6%
Motor Gasoline 2/	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.008	1.0%
Other Petroleum 5/	0.037	0.036	0.040	0.040	0.040	0.040	0.040	0.039	0.039	0.040	0.040	0.040	0.040	0.041	0.041	0.042	0.042	0.042	0.043	0.043	0.043	0.8%
Petroleum Subtotal	0.185	0.157	0.158	0.165	0.171	0.176	0.180	0.185	0.189	0.191	0.193	0.196	0.198	0.199	0.200	0.200	0.200	0.200	0.200	0.201	0.201	0.4%
Natural Gas 6/	0.245	0.221	0.246	0.251	0.254	0.256	0.259	0.262	0.264	0.267	0.270	0.273	0.275	0.278	0.280	0.283	0.286	0.288	0.291	0.294	0.296	0.9%
Metallurgical Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Steam 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	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.010	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal Subtotal	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.010	0.3%
Renewable Energy 7/	0.184	0.183	0.187	0.191	0.194	0.198	0.201	0.205	0.205	0.207	0.210	0.214	0.217	0.220	0.222	0.225	0.228	0.230	0.233	0.235	0.236	1.3%
Electricity	0.089	0.084	0.085	0.087	0.088	0.090	0.092	0.093	0.095	0.096	0.098	0.100	0.101	0.102	0.103	0.104	0.105	0.106	0.107	0.108	0.109	1.0%
Delivered Energy	0.712	0.654	0.685	0.703	0.715	0.728	0.741	0.754	0.761	0.770	0.780	0.792	0.800	0.809	0.815	0.821	0.828	0.834	0.841	0.847	0.852	0.9%
Electricity Related Losses	0.216	0.202	0.187	0.201	0.201	0.206	0.195	0.191	0.189	0.190	0.195	0.200	0.202	0.202	0.203	0.209	0.210	0.211	0.213	0.213	0.211	-0.1%
Total	0.928	0.856	0.872	0.904	0.916	0.935	0.935	0.944	0.950	0.960	0.974	0.991	1.002	1.010	1.018	1.030	1.038	1.045	1.054	1.061	1.063	0.7%

Table 1. Energy Consumption by Sector and Source (2 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
New England

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Transportation																						
Distillate Fuel 8/	0.157	0.162	0.166	0.172	0.177	0.182	0.186	0.190	0.194	0.199	0.204	0.210	0.213	0.217	0.220	0.223	0.225	0.228	0.231	0.233	0.235	2.0%
Jet Fuel 9/	0.079	0.077	0.079	0.081	0.082	0.084	0.085	0.087	0.089	0.091	0.093	0.096	0.098	0.100	0.102	0.104	0.107	0.109	0.111	0.114	0.116	1.9%
Motor Gasoline 2/	0.776	0.783	0.799	0.821	0.834	0.846	0.856	0.867	0.880	0.893	0.905	0.918	0.929	0.940	0.948	0.956	0.965	0.972	0.980	0.987	0.993	1.2%
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	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-0.5%
Liquefied Petroleum Gas	0.001	0.001	0.001	0.001	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	0.002	0.002	0.002	0.002	4.9%
Other Petroleum 10/	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.7%
Petroleum Subtotal	1.023	1.034	1.056	1.085	1.105	1.124	1.139	1.156	1.176	1.196	1.216	1.236	1.254	1.270	1.284	1.297	1.310	1.323	1.335	1.348	1.358	1.4%
Pipeline Fuel Natural Gas	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	3.0%
Compressed Natural Gas	0.001	0.002	0.002	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.006	0.006	0.007	0.007	0.007	0.008	0.008	0.008	0.009	0.009	0.009	10.8%
Renewable Energy (E85) 11/	0.001	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	0.002	0.002	0.002	0.002	0.002	0.002	0.002	4.7%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	2.7%
Delivered Energy	1.032	1.044	1.067	1.097	1.117	1.137	1.153	1.171	1.191	1.213	1.233	1.254	1.273	1.290	1.304	1.317	1.331	1.345	1.358	1.371	1.381	1.5%
Electricity Related Losses	0.007	0.007	0.007	0.007	0.007	0.008	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.010	0.010	1.5%
Total	1.039	1.052	1.074	1.105	1.124	1.145	1.160	1.178	1.198	1.220	1.241	1.262	1.281	1.298	1.312	1.326	1.340	1.354	1.367	1.380	1.391	1.5%
Delivered Energy Consumption, All Sectors																						
Distillate Fuel	0.546	0.571	0.569	0.579	0.585	0.588	0.589	0.591	0.594	0.594	0.595	0.599	0.602	0.602	0.602	0.602	0.604	0.605	0.607	0.608	0.611	0.6%
Kerosene	0.016	0.017	0.016	0.015	0.015	0.014	0.014	0.013	0.013	0.013	0.013	0.013	0.013	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	-1.5%
Jet Fuel 9/	0.079	0.077	0.079	0.081	0.082	0.084	0.085	0.087	0.089	0.091	0.093	0.096	0.098	0.100	0.102	0.104	0.107	0.109	0.111	0.114	0.116	1.9%
Liquefied Petroleum Gas	0.035	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.031	0.031	0.031	0.031	0.030	0.030	0.030	0.029	0.029	0.029	-0.9%
Motor Gasoline 2/	0.786	0.794	0.810	0.832	0.845	0.857	0.867	0.878	0.891	0.904	0.916	0.929	0.941	0.951	0.960	0.968	0.976	0.984	0.991	0.999	1.005	1.2%
Petrochemical Feedstocks	0.051	0.045	0.050	0.051	0.052	0.053	0.053	0.054	0.055	0.056	0.056	0.058	0.058	0.059	0.059	0.059	0.060	0.060	0.060	0.060	0.060	0.8%
Residual Fuel	0.086	0.061	0.053	0.058	0.062	0.067	0.071	0.075	0.079	0.079	0.080	0.081	0.082	0.082	0.082	0.081	0.081	0.080	0.079	0.079	0.078	-0.5%
Other Petroleum 12/	0.043	0.042	0.047	0.047	0.047	0.047	0.046	0.046	0.046	0.047	0.047	0.047	0.047	0.048	0.048	0.049	0.049	0.049	0.050	0.050	0.051	0.8%
Petroleum Subtotal	1.643	1.637	1.656	1.695	1.720	1.741	1.757	1.776	1.798	1.816	1.832	1.853	1.872	1.886	1.896	1.906	1.918	1.928	1.939	1.951	1.961	0.9%
Natural Gas 6/	0.551	0.532	0.566	0.579	0.585	0.588	0.593	0.598	0.602	0.607	0.614	0.621	0.627	0.634	0.640	0.646	0.653	0.660	0.667	0.674	0.681	1.1%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Steam Coal	0.011	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	0.011	0.011	0.011	0.011	0.011	0.011	0.011	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal Subtotal	0.011	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	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.3%
Renewable Energy 13/	0.231	0.231	0.235	0.239	0.242	0.246	0.250	0.254	0.254	0.257	0.260	0.264	0.268	0.271	0.274	0.277	0.280	0.283	0.286	0.288	0.290	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	0.375	0.383	0.388	0.401	0.410	0.418	0.425	0.433	0.440	0.446	0.453	0.459	0.465	0.470	0.476	0.481	0.486	0.490	0.495	0.500	0.506	1.5%
Delivered Energy	2.811	2.794	2.855	2.924	2.968	3.004	3.036	3.072	3.106	3.138	3.170	3.209	3.244	3.272	3.296	3.321	3.348	3.372	3.399	3.425	3.450	1.0%
Electricity Related Losses	0.909	0.915	0.849	0.924	0.932	0.957	0.904	0.885	0.877	0.881	0.900	0.919	0.932	0.928	0.936	0.965	0.971	0.973	0.981	0.984	0.979	0.4%
Total	3.720	3.709	3.704	3.848	3.900	3.961	3.940	3.957	3.984	4.019	4.070	4.128	4.176	4.200	4.232	4.286	4.320	4.346	4.380	4.409	4.429	0.9%
Electric Generators 14/																						
Distillate Fuel	0.002	0.013	0.006	0.006	0.007	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	0.006	0.006	0.005	4.1%
Residual Fuel	0.214	0.197	0.048	0.068	0.090	0.068	0.073	0.056	0.051	0.055	0.055	0.049	0.052	0.066	0.065	0.069	0.071	0.075	0.080	0.083	0.084	-4.6%
Petroleum Subtotal	0.216	0.210	0.054	0.074	0.097	0.074	0.079	0.061	0.056	0.060	0.060	0.054	0.057	0.071	0.071	0.074	0.077	0.081	0.085	0.088	0.089	-4.3%
Natural Gas	0.190	0.213	0.315	0.290	0.285	0.294	0.291	0.318	0.338	0.345	0.361	0.381	0.391	0.419	0.434	0.437	0.449	0.458	0.466	0.474	0.470	4.6%
Steam Coal	0.176	0.176	0.176	0.181	0.185	0.189	0.192	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.195	0.196	0.196	0.196	0.5%
Nuclear Power	0.334	0.338	0.337	0.338	0.340	0.341	0.342	0.343	0.344	0.345	0.345	0.346	0.347	0.299	0.300	0.300	0.301	0.301	0.301	0.301	0.301	-0.5%
Renewable Energy 15/	0.138	0.129	0.142	0.146	0.147	0.151	0.153	0.155	0.158	0.160	0.162	0.163	0.163	0.163	0.164	0.165	0.166	0.166	0.166	0.166	0.166	0.9%
Electricity Imports 16/	0.231	0.231	0.214	0.296	0.289	0.326	0.271	0.245	0.226	0.222	0.228	0.238	0.244	0.251	0.248	0.274	0.269	0.262	0.263	0.259	0.263	0.7%
Total	1.284	1.298	1.238	1.325	1.343	1.375	1.329	1.318	1.318	1.328	1.353	1.378	1.398	1.399	1.411	1.446	1.457	1.463	1.476	1.484	1.485	0.7%

Table 1. Energy Consumption by Sector and Source (3 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
New England

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Total Energy Consumption																						
Distillate Fuel	0.548	0.584	0.575	0.585	0.592	0.594	0.595	0.596	0.599	0.599	0.600	0.604	0.607	0.608	0.607	0.607	0.609	0.610	0.612	0.614	0.616	0.6%
Kerosene	0.016	0.017	0.016	0.015	0.015	0.014	0.014	0.013	0.013	0.013	0.013	0.013	0.013	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	-1.5%
Jet Fuel 9/	0.079	0.077	0.079	0.081	0.082	0.084	0.085	0.087	0.089	0.091	0.093	0.096	0.098	0.100	0.102	0.104	0.107	0.109	0.111	0.114	0.116	1.9%
Liquefied Petroleum Gas	0.035	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.031	0.031	0.031	0.031	0.030	0.030	0.030	0.029	0.029	0.029	-0.9%
Motor Gasoline 2/	0.786	0.794	0.810	0.832	0.845	0.857	0.867	0.878	0.891	0.904	0.916	0.929	0.941	0.951	0.960	0.968	0.976	0.984	0.991	0.999	1.005	1.2%
Petrochemical Feedstocks	0.051	0.045	0.050	0.051	0.052	0.053	0.053	0.054	0.055	0.056	0.056	0.058	0.058	0.059	0.059	0.059	0.060	0.060	0.060	0.060	0.060	0.8%
Residual Fuel	0.300	0.257	0.102	0.126	0.153	0.135	0.144	0.131	0.130	0.134	0.135	0.130	0.134	0.148	0.147	0.150	0.152	0.155	0.159	0.161	0.162	-3.0%
Other Petroleum 12/	0.043	0.042	0.047	0.047	0.047	0.047	0.046	0.046	0.046	0.047	0.047	0.047	0.047	0.048	0.048	0.049	0.049	0.049	0.050	0.050	0.051	0.8%
Petroleum Subtotal	1.859	1.847	1.710	1.769	1.816	1.815	1.836	1.838	1.855	1.876	1.893	1.907	1.929	1.957	1.966	1.980	1.994	2.009	2.025	2.040	2.050	0.5%
Natural Gas	0.741	0.746	0.880	0.869	0.870	0.882	0.884	0.916	0.941	0.953	0.975	1.002	1.019	1.053	1.074	1.083	1.102	1.118	1.133	1.148	1.151	2.2%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Steam Coal	0.187	0.187	0.186	0.191	0.196	0.199	0.203	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.207	0.207	0.207	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal Subtotal	0.187	0.187	0.186	0.191	0.196	0.199	0.203	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.207	0.207	0.207	0.5%
Nuclear Power	0.334	0.338	0.337	0.338	0.340	0.341	0.342	0.343	0.344	0.345	0.345	0.346	0.347	0.299	0.300	0.300	0.301	0.301	0.301	0.301	0.301	-0.5%
Renewable Energy 17/	0.369	0.360	0.377	0.385	0.389	0.397	0.403	0.409	0.412	0.417	0.422	0.427	0.431	0.434	0.438	0.442	0.446	0.449	0.452	0.454	0.456	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity Imports 16/	0.231	0.231	0.214	0.296	0.289	0.326	0.271	0.245	0.226	0.222	0.228	0.238	0.244	0.251	0.248	0.274	0.269	0.262	0.263	0.259	0.263	0.7%
Total	3.720	3.709	3.704	3.848	3.900	3.961	3.940	3.957	3.984	4.019	4.070	4.128	4.176	4.200	4.232	4.286	4.320	4.346	4.380	4.409	4.429	0.9%
Energy Use & Related Statistics																						
Delivered Energy Use	2.811	2.794	2.855	2.924	2.968	3.004	3.036	3.072	3.106	3.138	3.170	3.209	3.244	3.272	3.296	3.321	3.348	3.372	3.399	3.425	3.450	1.0%
Total Energy Use	3.720	3.709	3.704	3.848	3.900	3.961	3.940	3.957	3.984	4.019	4.070	4.128	4.176	4.200	4.232	4.286	4.320	4.346	4.380	4.409	4.429	0.9%
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	14.434	14.491	14.549	14.606	14.664	14.721	14.778	14.835	0.4%
US GDP (billion 1996 dollars)	9224	9319	9523	9826	10103	10418	10719	11046	11442	11867	12312	12777	13166	13560	13973	14399	14835	15287	15717	16138	16525	3.0%
Carbon Dioxide Emissions																						
(million metric tons carbon equivalent)	1561.7	1560.8	1583.9	1631.3	1662.2	1693.5	1724.4	1755.8	1780.9	1806.5	1834.7	1865.1	1892.0	1917.9	1941.0	1965.4	1990.6	2015.6	2039.3	2064.3	2087.8	1.5%

1/ Includes wood used for residential heating.

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 cogeneration.

5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.

6/ Includes lease and plant fuel and consumption by cogenerators; excludes consumption by nonutility generators.

7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass; includes cogeneration, both for sale to the grid and for own use.

8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.

9/ Includes only kerosene type.

10/ Includes aviation gas 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 all electric power generators for grid-connected power except cogenerators, which produce electricity and other useful thermal energy. 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 cogeneration. Excludes net electricity imports.

16/ In 1999 approximately 70 percent of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions for the fuel source of imported electricity.

17/ 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 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 electric utility fuel consumption: EIA, Electric Power Annual 1999, Volume I, DOE/EIA-0348(99)/1 (Washington, DC, August 2000). 2000 nonutility consumption estimates: EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility." Other 2000 values: EIA, Short-Term Energy Outlook, October 2001, http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/oct01.pdf. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 2. Energy Consumption by Sector and Source (1 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
Middle Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Energy Consumption																						
Residential																						
Distillate Fuel	0.331	0.350	0.347	0.348	0.346	0.340	0.335	0.330	0.326	0.319	0.312	0.309	0.307	0.302	0.297	0.294	0.291	0.288	0.285	0.283	0.282	-0.8%
Kerosene	0.024	0.024	0.024	0.022	0.021	0.020	0.019	0.019	0.018	0.018	0.017	0.017	0.016	0.016	0.016	0.015	0.015	0.015	0.015	0.014	0.014	-2.5%
Liquefied Petroleum Gas	0.033	0.030	0.031	0.030	0.030	0.029	0.029	0.028	0.028	0.028	0.027	0.027	0.026	0.025	0.025	0.024	0.024	0.023	0.023	0.023	0.022	-2.0%
Petroleum Subtotal	0.388	0.404	0.402	0.400	0.396	0.389	0.383	0.377	0.372	0.364	0.357	0.352	0.349	0.344	0.338	0.333	0.330	0.326	0.323	0.320	0.318	-1.0%
Natural Gas	0.878	0.880	0.907	0.918	0.922	0.913	0.911	0.908	0.908	0.904	0.902	0.902	0.904	0.902	0.901	0.901	0.903	0.901	0.902	0.904	0.908	0.2%
Coal	0.015	0.014	0.015	0.015	0.016	0.016	0.016	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.5%
Renewable Energy 1/	0.102	0.100	0.101	0.100	0.100	0.099	0.098	0.098	0.097	0.097	0.096	0.095	0.095	0.094	0.094	0.093	0.093	0.092	0.091	0.091	0.091	-0.6%
Electricity	0.382	0.397	0.408	0.422	0.429	0.433	0.437	0.441	0.446	0.448	0.451	0.454	0.459	0.461	0.465	0.470	0.474	0.477	0.481	0.485	0.490	1.3%
Delivered Energy	1.764	1.795	1.832	1.856	1.863	1.851	1.846	1.841	1.841	1.831	1.824	1.822	1.825	1.818	1.816	1.814	1.818	1.813	1.814	1.816	1.825	0.2%
Electricity Related Losses	0.743	0.761	0.769	0.820	0.835	0.848	0.852	0.844	0.843	0.845	0.842	0.852	0.859	0.871	0.880	0.878	0.882	0.873	0.883	0.892	0.899	1.0%
Total	2.508	2.556	2.601	2.676	2.698	2.699	2.698	2.685	2.684	2.675	2.666	2.674	2.683	2.689	2.696	2.693	2.700	2.685	2.696	2.708	2.724	0.4%
Commercial																						
Distillate Fuel	0.124	0.127	0.127	0.128	0.129	0.129	0.128	0.128	0.128	0.128	0.127	0.126	0.126	0.125	0.124	0.123	0.123	0.122	0.121	0.121	0.120	-0.2%
Residual Fuel	0.073	0.057	0.058	0.059	0.059	0.060	0.060	0.061	0.061	0.062	0.062	0.063	0.064	0.064	0.065	0.065	0.065	0.065	0.065	0.064	0.065	-0.6%
Kerosene	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.4%
Liquefied Petroleum Gas	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	-0.1%
Motor Gasoline 2/	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-0.5%
Petroleum Subtotal	0.209	0.194	0.196	0.198	0.199	0.199	0.200	0.200	0.200	0.200	0.200	0.200	0.201	0.201	0.200	0.199	0.199	0.198	0.197	0.196	0.196	-0.3%
Natural Gas	0.531	0.531	0.562	0.582	0.594	0.596	0.602	0.608	0.615	0.621	0.630	0.639	0.648	0.656	0.663	0.670	0.677	0.683	0.689	0.695	0.702	1.4%
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	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.1%
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	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.0%
Electricity	0.487	0.506	0.513	0.526	0.538	0.549	0.560	0.570	0.580	0.589	0.597	0.606	0.613	0.621	0.627	0.630	0.632	0.633	0.633	0.634	0.633	1.3%
Delivered Energy	1.244	1.249	1.287	1.323	1.348	1.361	1.378	1.395	1.412	1.427	1.445	1.462	1.479	1.495	1.507	1.517	1.525	1.531	1.536	1.542	1.548	1.1%
Electricity Related Losses	0.948	0.971	0.966	1.024	1.047	1.075	1.091	1.090	1.095	1.109	1.115	1.137	1.149	1.173	1.185	1.178	1.175	1.158	1.163	1.166	1.161	1.0%
Total	2.191	2.220	2.253	2.347	2.395	2.436	2.469	2.485	2.507	2.537	2.560	2.599	2.628	2.667	2.693	2.695	2.700	2.689	2.699	2.707	2.709	1.1%
Industrial 4/																						
Distillate Fuel	0.063	0.063	0.062	0.063	0.064	0.065	0.065	0.065	0.066	0.067	0.068	0.068	0.069	0.070	0.070	0.071	0.071	0.072	0.073	0.074	0.075	0.9%
Liquefied Petroleum Gas	0.033	0.030	0.032	0.032	0.032	0.033	0.036	0.053	0.058	0.063	0.071	0.075	0.075	0.076	0.076	0.076	0.077	0.078	0.085	0.087	0.086	5.0%
Petrochemical Feedstocks	0.148	0.130	0.144	0.148	0.150	0.152	0.153	0.156	0.158	0.160	0.162	0.166	0.168	0.169	0.170	0.171	0.171	0.171	0.172	0.173	0.174	0.8%
Residual Fuel	0.034	0.027	0.025	0.023	0.025	0.026	0.028	0.029	0.030	0.030	0.031	0.022	0.020	0.020	0.020	0.020	0.019	0.019	0.019	0.027	0.031	-0.4%
Motor Gasoline 2/	0.014	0.014	0.014	0.014	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.016	0.016	0.016	0.016	0.016	0.016	0.017	0.017	1.0%
Other Petroleum 5/	0.389	0.389	0.409	0.450	0.454	0.451	0.458	0.455	0.460	0.459	0.460	0.473	0.476	0.479	0.478	0.485	0.488	0.490	0.494	0.498	0.500	1.3%
Petroleum Subtotal	0.679	0.652	0.686	0.730	0.740	0.741	0.755	0.773	0.787	0.794	0.806	0.820	0.823	0.830	0.830	0.839	0.844	0.846	0.860	0.876	0.883	1.3%
Natural Gas 6/	0.714	0.650	0.719	0.766	0.774	0.783	0.780	0.761	0.760	0.764	0.763	0.771	0.778	0.786	0.793	0.799	0.806	0.813	0.815	0.816	0.824	0.7%
Metallurgical Coal	0.215	0.196	0.199	0.196	0.194	0.192	0.190	0.188	0.186	0.182	0.179	0.176	0.172	0.169	0.166	0.163	0.160	0.157	0.154	0.152	0.149	-1.8%
Steam Coal	0.197	0.193	0.196	0.196	0.197	0.198	0.198	0.198	0.197	0.198	0.199	0.200	0.201	0.201	0.202	0.203	0.204	0.205	0.206	0.207	0.207	0.3%
Net Coal Coke Imports	0.004	0.002	0.003	0.004	0.004	0.005	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.009	0.009	0.009	0.010	0.010	0.010	0.011	0.011	5.5%
Coal Subtotal	0.415	0.392	0.398	0.397	0.396	0.395	0.393	0.392	0.389	0.387	0.385	0.384	0.381	0.379	0.377	0.375	0.374	0.372	0.370	0.369	0.367	-0.6%
Renewable Energy 7/	0.240	0.239	0.244	0.250	0.255	0.260	0.265	0.271	0.270	0.273	0.277	0.282	0.287	0.291	0.294	0.298	0.302	0.306	0.309	0.312	0.315	1.4%
Electricity	0.294	0.279	0.282	0.284	0.290	0.296	0.300	0.304	0.310	0.315	0.322	0.328	0.332	0.336	0.340	0.344	0.348	0.351	0.355	0.359	0.361	1.0%
Delivered Energy	2.343	2.212	2.330	2.426	2.454	2.475	2.493	2.500	2.515	2.533	2.552	2.585	2.601	2.622	2.634	2.655	2.673	2.689	2.709	2.731	2.750	0.8%
Electricity Related Losses	0.572	0.535	0.531	0.552	0.564	0.579	0.584	0.582	0.585	0.593	0.600	0.616	0.621	0.635	0.642	0.643	0.647	0.643	0.652	0.660	0.662	0.7%
Total	2.915	2.747	2.861	2.978	3.018	3.054	3.077	3.082	3.100	3.127	3.153	3.202	3.223	3.257	3.276	3.298	3.320	3.332	3.361	3.391	3.412	0.8%

Table 2. Energy Consumption by Sector and Source (2 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
Middle Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Transportation																						
Distillate Fuel 8/	0.489	0.506	0.516	0.535	0.551	0.567	0.579	0.593	0.606	0.621	0.635	0.651	0.662	0.672	0.681	0.688	0.695	0.702	0.708	0.714	0.718	1.9%
Jet Fuel 9/	0.360	0.351	0.360	0.370	0.377	0.385	0.393	0.400	0.410	0.421	0.433	0.445	0.455	0.465	0.475	0.485	0.495	0.506	0.517	0.528	0.537	2.0%
Motor Gasoline 2/	1.796	1.812	1.850	1.892	1.915	1.937	1.955	1.975	2.000	2.025	2.048	2.071	2.093	2.111	2.125	2.138	2.152	2.164	2.175	2.187	2.195	1.0%
Residual Fuel	0.190	0.173	0.177	0.177	0.176	0.175	0.175	0.174	0.173	0.172	0.171	0.171	0.170	0.169	0.169	0.168	0.167	0.166	0.166	0.165	0.164	-0.7%
Liquefied Petroleum Gas	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	4.8%
Other Petroleum 10/	0.023	0.024	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.6%
Petroleum Subtotal	2.860	2.869	2.931	3.002	3.047	3.094	3.129	3.170	3.218	3.269	3.316	3.367	3.409	3.448	3.479	3.508	3.539	3.569	3.596	3.624	3.645	1.2%
Pipeline Fuel Natural Gas	0.052	0.049	0.050	0.050	0.051	0.051	0.051	0.052	0.052	0.053	0.054	0.055	0.055	0.056	0.056	0.057	0.057	0.057	0.057	0.058	0.058	0.6%
Compressed Natural Gas	0.003	0.004	0.005	0.006	0.007	0.008	0.008	0.009	0.010	0.010	0.011	0.012	0.013	0.013	0.014	0.014	0.015	0.015	0.015	0.016	0.016	8.6%
Renewable Energy (E85) 11/	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	4.4%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	0.008	0.009	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.012	0.012	0.012	0.013	0.013	0.013	2.4%
Delivered Energy	2.926	2.934	2.997	3.070	3.117	3.166	3.203	3.245	3.295	3.347	3.397	3.449	3.493	3.533	3.566	3.597	3.629	3.659	3.688	3.717	3.739	1.2%
Electricity Related Losses	0.016	0.016	0.016	0.017	0.018	0.018	0.019	0.019	0.019	0.019	0.019	0.020	0.020	0.021	0.021	0.022	0.022	0.023	0.023	0.024	0.025	2.1%
Total	2.942	2.951	3.013	3.088	3.135	3.184	3.222	3.264	3.313	3.366	3.416	3.469	3.514	3.554	3.588	3.619	3.651	3.682	3.711	3.741	3.763	1.2%
Delivered Energy Consumption, All Sectors																						
Distillate Fuel	1.007	1.045	1.052	1.074	1.089	1.101	1.108	1.116	1.126	1.134	1.142	1.154	1.164	1.169	1.172	1.176	1.180	1.184	1.188	1.192	1.195	0.9%
Kerosene	0.034	0.034	0.034	0.032	0.031	0.030	0.030	0.029	0.028	0.028	0.027	0.027	0.027	0.027	0.026	0.026	0.026	0.025	0.025	0.025	0.025	-1.5%
Jet Fuel 9/	0.360	0.351	0.360	0.370	0.377	0.385	0.393	0.400	0.410	0.421	0.433	0.445	0.455	0.465	0.475	0.485	0.495	0.506	0.517	0.528	0.537	2.0%
Liquefied Petroleum Gas	0.071	0.066	0.069	0.068	0.068	0.068	0.072	0.088	0.094	0.098	0.106	0.109	0.109	0.109	0.109	0.109	0.110	0.109	0.116	0.118	0.117	2.5%
Motor Gasoline 2/	1.812	1.828	1.866	1.909	1.932	1.955	1.972	1.992	2.017	2.042	2.066	2.089	2.110	2.129	2.143	2.156	2.170	2.182	2.193	2.206	2.214	1.0%
Petrochemical Feedstocks	0.148	0.130	0.144	0.148	0.150	0.152	0.153	0.156	0.158	0.160	0.162	0.166	0.168	0.169	0.170	0.171	0.171	0.171	0.172	0.173	0.174	0.8%
Residual Fuel	0.297	0.257	0.260	0.259	0.260	0.261	0.262	0.263	0.264	0.264	0.264	0.256	0.254	0.254	0.253	0.252	0.251	0.250	0.249	0.256	0.260	-0.7%
Other Petroleum 12/	0.407	0.408	0.429	0.470	0.474	0.471	0.478	0.475	0.480	0.479	0.481	0.494	0.497	0.500	0.499	0.506	0.509	0.511	0.515	0.519	0.521	1.2%
Petroleum Subtotal	4.136	4.120	4.213	4.330	4.381	4.424	4.467	4.520	4.577	4.627	4.680	4.739	4.782	4.822	4.847	4.880	4.912	4.939	4.975	5.016	5.042	1.0%
Natural Gas 6/	2.177	2.115	2.243	2.322	2.348	2.351	2.352	2.338	2.345	2.353	2.360	2.379	2.398	2.413	2.427	2.441	2.458	2.470	2.478	2.487	2.508	0.7%
Metallurgical Coal	0.215	0.196	0.199	0.196	0.194	0.192	0.190	0.188	0.186	0.182	0.179	0.176	0.172	0.169	0.166	0.163	0.160	0.157	0.154	0.152	0.149	-1.8%
Steam Coal	0.214	0.209	0.213	0.213	0.215	0.215	0.216	0.217	0.216	0.218	0.219	0.220	0.220	0.221	0.222	0.222	0.223	0.224	0.225	0.225	0.226	0.3%
Net Coal Coke Imports	0.004	0.002	0.003	0.004	0.004	0.005	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.009	0.009	0.009	0.010	0.010	0.010	0.011	0.011	5.5%
Coal Subtotal	0.432	0.408	0.415	0.414	0.413	0.412	0.411	0.410	0.408	0.407	0.405	0.403	0.401	0.399	0.397	0.395	0.393	0.391	0.389	0.388	0.385	-0.6%
Renewable Energy 13/	0.360	0.357	0.363	0.369	0.373	0.378	0.383	0.387	0.387	0.389	0.392	0.398	0.402	0.405	0.408	0.411	0.415	0.418	0.421	0.424	0.427	0.9%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	1.171	1.190	1.211	1.241	1.266	1.287	1.306	1.325	1.346	1.362	1.381	1.399	1.415	1.429	1.444	1.456	1.466	1.473	1.482	1.490	1.498	1.2%
Delivered Energy	8.277	8.190	8.445	8.675	8.782	8.853	8.920	8.982	9.063	9.139	9.218	9.319	9.399	9.468	9.524	9.584	9.644	9.692	9.747	9.806	9.861	0.9%
Electricity Related Losses	2.280	2.284	2.283	2.414	2.464	2.520	2.545	2.535	2.541	2.567	2.577	2.625	2.649	2.700	2.729	2.721	2.727	2.697	2.722	2.741	2.747	0.9%
Total	10.557	10.474	10.729	11.089	11.246	11.373	11.466	11.516	11.604	11.705	11.795	11.943	12.047	12.168	12.253	12.304	12.371	12.389	12.469	12.547	12.608	0.9%
Electric Generators 14/																						
Distillate Fuel	0.005	0.005	0.004	0.004	0.004	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	0.002	0.003	0.003	-3.3%
Residual Fuel	0.160	0.186	0.052	0.032	0.030	0.019	0.013	0.010	0.010	0.009	0.009	0.009	0.009	0.013	0.015	0.019	0.022	0.023	0.025	0.028	0.028	-8.3%
Petroleum Subtotal	0.165	0.192	0.057	0.036	0.034	0.023	0.016	0.013	0.012	0.011	0.011	0.011	0.012	0.016	0.017	0.021	0.024	0.025	0.027	0.030	0.031	-8.1%
Natural Gas	0.170	0.160	0.257	0.311	0.333	0.370	0.391	0.436	0.459	0.494	0.542	0.599	0.628	0.671	0.708	0.761	0.770	0.805	0.835	0.850	0.862	8.5%
Steam Coal	1.298	1.314	1.323	1.399	1.445	1.474	1.513	1.565	1.567	1.570	1.584	1.584	1.588	1.600	1.601	1.607	1.608	1.611	1.612	1.622	1.624	1.1%
Nuclear Power	1.479	1.498	1.503	1.494	1.496	1.498	1.500	1.419	1.421	1.422	1.378	1.380	1.381	1.383	1.384	1.314	1.315	1.255	1.255	1.255	1.255	-0.8%
Renewable Energy 15/	0.259	0.231	0.281	0.312	0.322	0.330	0.337	0.343	0.350	0.354	0.363	0.366	0.370	0.373	0.376	0.379	0.383	0.384	0.384	0.384	0.383	2.0%
Electricity Imports 16/	0.080	0.080	0.074	0.102	0.100	0.113	0.094	0.085	0.078	0.077	0.079	0.082	0.084	0.087	0.086	0.095	0.093	0.091	0.091	0.090	0.091	0.7%
Total	3.451	3.474	3.494	3.655	3.730	3.807	3.851	3.860	3.887	3.929	3.958	4.023	4.063	4.129	4.173	4.177	4.193	4.170	4.203	4.232	4.246	1.0%

Table 2. Energy Consumption by Sector and Source (3 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
Middle Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Total Energy Consumption																						
Distillate Fuel	1.012	1.050	1.056	1.077	1.093	1.104	1.110	1.119	1.128	1.136	1.144	1.156	1.166	1.171	1.174	1.178	1.182	1.186	1.190	1.194	1.197	0.8%
Kerosene	0.034	0.034	0.034	0.032	0.031	0.030	0.030	0.029	0.028	0.028	0.027	0.027	0.027	0.027	0.026	0.026	0.026	0.025	0.025	0.025	0.025	-1.5%
Jet Fuel 9/	0.360	0.351	0.360	0.370	0.377	0.385	0.393	0.400	0.410	0.421	0.433	0.445	0.455	0.465	0.475	0.485	0.495	0.506	0.517	0.528	0.537	2.0%
Liquefied Petroleum Gas	0.071	0.066	0.069	0.068	0.068	0.068	0.072	0.088	0.094	0.098	0.106	0.109	0.109	0.109	0.109	0.109	0.110	0.109	0.116	0.118	0.117	2.5%
Motor Gasoline 2/	1.812	1.828	1.866	1.909	1.932	1.955	1.972	1.992	2.017	2.042	2.066	2.089	2.110	2.129	2.143	2.156	2.170	2.182	2.193	2.206	2.214	1.0%
Petrochemical Feedstocks	0.148	0.130	0.144	0.148	0.150	0.152	0.153	0.156	0.158	0.160	0.162	0.166	0.168	0.169	0.170	0.171	0.171	0.171	0.172	0.173	0.174	0.8%
Residual Fuel	0.458	0.443	0.312	0.291	0.290	0.280	0.275	0.273	0.274	0.273	0.273	0.265	0.263	0.267	0.268	0.271	0.273	0.273	0.274	0.284	0.288	-2.3%
Other Petroleum 12/	0.407	0.408	0.429	0.470	0.474	0.471	0.478	0.475	0.480	0.479	0.481	0.494	0.497	0.500	0.499	0.506	0.509	0.511	0.515	0.519	0.521	1.2%
Petroleum Subtotal	4.301	4.311	4.270	4.366	4.415	4.446	4.483	4.532	4.589	4.638	4.691	4.750	4.794	4.837	4.864	4.901	4.936	4.964	5.002	5.046	5.072	0.8%
Natural Gas	2.347	2.275	2.500	2.633	2.681	2.721	2.744	2.774	2.804	2.847	2.902	2.979	3.026	3.084	3.135	3.202	3.228	3.274	3.313	3.338	3.369	1.8%
Metallurgical Coal	0.215	0.196	0.199	0.196	0.194	0.192	0.190	0.188	0.186	0.182	0.179	0.176	0.172	0.169	0.166	0.163	0.160	0.157	0.154	0.152	0.149	-1.8%
Steam Coal	1.512	1.523	1.536	1.612	1.660	1.689	1.729	1.781	1.784	1.788	1.802	1.804	1.809	1.821	1.823	1.829	1.831	1.834	1.837	1.848	1.850	1.0%
Net Coal Coke Imports	0.004	0.002	0.003	0.004	0.004	0.005	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.009	0.009	0.009	0.010	0.010	0.010	0.011	0.011	5.5%
Coal Subtotal	1.730	1.722	1.737	1.812	1.858	1.886	1.924	1.975	1.976	1.977	1.989	1.987	1.989	1.999	1.998	2.002	2.001	2.002	2.002	2.010	2.009	0.8%
Nuclear Power	1.479	1.498	1.503	1.494	1.496	1.498	1.500	1.419	1.421	1.422	1.378	1.380	1.381	1.383	1.384	1.314	1.315	1.255	1.255	1.255	1.255	-0.8%
Renewable Energy 17/	0.619	0.588	0.644	0.681	0.695	0.708	0.720	0.730	0.736	0.743	0.755	0.764	0.772	0.778	0.784	0.791	0.798	0.802	0.805	0.808	0.811	1.4%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity Imports 16/	0.080	0.080	0.074	0.102	0.100	0.113	0.094	0.085	0.078	0.077	0.079	0.082	0.084	0.087	0.086	0.095	0.093	0.091	0.091	0.090	0.091	0.7%
Total	10.557	10.474	10.729	11.089	11.246	11.373	11.466	11.516	11.604	11.705	11.795	11.943	12.047	12.168	12.253	12.304	12.371	12.389	12.469	12.547	12.608	0.9%
Energy Use & Related Statistics																						
Delivered Energy Use	8.277	8.190	8.445	8.675	8.782	8.853	8.920	8.982	9.063	9.139	9.218	9.319	9.399	9.468	9.524	9.584	9.644	9.692	9.747	9.806	9.861	0.9%
Total Energy Use	10.557	10.474	10.729	11.089	11.246	11.373	11.466	11.516	11.604	11.705	11.795	11.943	12.047	12.168	12.253	12.304	12.371	12.389	12.469	12.547	12.608	0.9%
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	39.398	39.459	39.519	39.578	39.637	39.696	39.755	39.813	0.2%
US GDP (billion 1996 dollars)	9224	9319	9523	9826	10103	10418	10719	11046	11442	11867	12312	12777	13166	13560	13973	14399	14835	15287	15717	16138	16525	3.0%
Carbon Dioxide Emissions																						
(million metric tons carbon equivalent)	1561.7	1560.8	1583.9	1631.3	1662.2	1693.5	1724.4	1755.8	1780.9	1806.5	1834.7	1865.1	1892.0	1917.9	1941.0	1965.4	1990.6	2015.6	2039.3	2064.3	2087.8	1.5%

1/ Includes wood used for residential heating.

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 cogeneration.

5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.

6/ Includes lease and plant fuel and consumption by cogenerators; excludes consumption by nonutility generators.

7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass; includes cogeneration, both for sale to the grid and for own use.

8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.

9/ Includes only kerosene type.

10/ Includes aviation gas 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 all electric power generators for grid-connected power except cogenerators, which produce electricity and other useful thermal energy. 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 cogeneration. Excludes net electricity imports.

16/ In 1999 approximately 70 percent of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions for the fuel source of imported electricity.

17/ 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 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 electric utility fuel consumption: EIA, Electric Power Annual 1999, Volume I, DOE/EIA-0348(99)/1 (Washington, DC, August 2000). 2000 nonutility consumption estimates: EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility." Other 2000 values: EIA, Short-Term Energy Outlook, October 2001, http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/oct01.pdf. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 3. Energy Consumption by Sector and Source (1 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
East North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Energy Consumption																						
Residential																						
Distillate Fuel	0.063	0.067	0.067	0.067	0.066	0.065	0.064	0.063	0.062	0.061	0.059	0.059	0.058	0.057	0.056	0.055	0.054	0.054	0.053	0.053	0.053	-0.8%
Kerosene	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.006	-0.9%
Liquefied Petroleum Gas	0.121	0.112	0.115	0.116	0.117	0.117	0.118	0.118	0.119	0.119	0.119	0.118	0.117	0.115	0.114	0.113	0.112	0.110	0.109	0.108	0.108	-0.6%
Petroleum Subtotal	0.191	0.187	0.190	0.191	0.191	0.190	0.190	0.189	0.189	0.187	0.186	0.184	0.182	0.179	0.177	0.175	0.173	0.171	0.169	0.168	0.167	-0.7%
Natural Gas	1.511	1.514	1.582	1.613	1.626	1.616	1.619	1.624	1.632	1.631	1.635	1.643	1.653	1.654	1.661	1.667	1.678	1.682	1.692	1.704	1.721	0.7%
Coal	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.009	0.009	0.009	0.7%
Renewable Energy 1/	0.042	0.043	0.044	0.044	0.045	0.045	0.045	0.046	0.046	0.046	0.047	0.047	0.047	0.047	0.048	0.048	0.048	0.048	0.049	0.049	0.049	0.8%
Electricity	0.580	0.610	0.628	0.651	0.666	0.677	0.684	0.692	0.703	0.711	0.722	0.732	0.743	0.752	0.763	0.776	0.788	0.796	0.806	0.818	0.832	1.8%
Delivered Energy	2.333	2.361	2.452	2.507	2.536	2.537	2.547	2.560	2.579	2.586	2.599	2.615	2.636	2.643	2.658	2.675	2.697	2.707	2.726	2.748	2.778	0.9%
Electricity Related Losses	1.401	1.459	1.508	1.571	1.599	1.633	1.642	1.644	1.662	1.677	1.703	1.713	1.722	1.743	1.765	1.794	1.816	1.845	1.855	1.881	1.910	1.6%
Total	3.734	3.821	3.960	4.078	4.136	4.170	4.189	4.203	4.241	4.262	4.303	4.327	4.358	4.385	4.423	4.469	4.514	4.552	4.581	4.629	4.689	1.1%
Commercial																						
Distillate Fuel	0.039	0.043	0.044	0.045	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.046	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.7%
Residual Fuel	0.007	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	-1.0%
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	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.8%
Liquefied Petroleum Gas	0.018	0.016	0.016	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.2%
Motor Gasoline 2/	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	-0.5%
Petroleum Subtotal	0.069	0.070	0.071	0.073	0.074	0.074	0.074	0.075	0.075	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.074	0.4%
Natural Gas	0.779	0.781	0.811	0.838	0.851	0.854	0.858	0.863	0.866	0.869	0.872	0.875	0.877	0.880	0.884	0.888	0.893	0.898	0.904	0.910	0.916	0.8%
Coal	0.030	0.027	0.028	0.028	0.029	0.029	0.029	0.029	0.029	0.029	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.031	0.031	0.031	0.031	0.3%
Renewable Energy 3/	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.0%
Electricity	0.547	0.570	0.581	0.596	0.609	0.620	0.631	0.641	0.649	0.657	0.664	0.670	0.677	0.684	0.692	0.701	0.708	0.715	0.722	0.730	0.738	1.5%
Delivered Energy	1.438	1.461	1.504	1.548	1.576	1.590	1.606	1.621	1.633	1.643	1.653	1.662	1.670	1.681	1.693	1.706	1.718	1.731	1.744	1.758	1.773	1.1%
Electricity Related Losses	1.321	1.364	1.395	1.439	1.464	1.497	1.515	1.523	1.536	1.548	1.566	1.569	1.568	1.585	1.601	1.620	1.632	1.657	1.661	1.678	1.695	1.3%
Total	2.759	2.825	2.900	2.987	3.039	3.087	3.122	3.144	3.169	3.191	3.219	3.231	3.238	3.266	3.293	3.325	3.350	3.388	3.404	3.436	3.467	1.1%
Industrial 4/																						
Distillate Fuel	0.165	0.163	0.164	0.168	0.171	0.173	0.172	0.171	0.173	0.176	0.179	0.181	0.183	0.185	0.187	0.188	0.190	0.192	0.195	0.197	0.200	1.0%
Liquefied Petroleum Gas	0.093	0.086	0.092	0.093	0.094	0.096	0.096	0.097	0.098	0.100	0.101	0.103	0.104	0.106	0.109	0.107	0.108	0.109	0.114	0.121	0.124	1.4%
Petrochemical Feedstocks	0.204	0.179	0.198	0.205	0.208	0.212	0.216	0.219	0.222	0.226	0.229	0.234	0.237	0.239	0.241	0.243	0.245	0.246	0.248	0.249	0.251	1.0%
Residual Fuel	0.020	0.015	0.014	0.007	0.008	0.008	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	-3.3%
Motor Gasoline 2/	0.035	0.034	0.034	0.035	0.036	0.036	0.036	0.036	0.036	0.037	0.037	0.038	0.038	0.039	0.039	0.040	0.040	0.040	0.041	0.042	0.042	1.0%
Other Petroleum 5/	0.664	0.661	0.693	0.723	0.730	0.744	0.753	0.774	0.780	0.792	0.810	0.823	0.822	0.828	0.836	0.843	0.847	0.850	0.858	0.866	0.873	1.4%
Petroleum Subtotal	1.181	1.139	1.196	1.230	1.246	1.269	1.281	1.306	1.320	1.341	1.366	1.389	1.395	1.407	1.423	1.432	1.441	1.448	1.465	1.486	1.500	1.2%
Natural Gas 6/	1.408	1.270	1.423	1.524	1.537	1.557	1.583	1.604	1.618	1.635	1.655	1.676	1.690	1.702	1.709	1.725	1.736	1.751	1.760	1.763	1.770	1.2%
Metallurgical Coal	0.370	0.338	0.341	0.338	0.334	0.330	0.326	0.323	0.319	0.313	0.307	0.302	0.296	0.291	0.286	0.280	0.275	0.270	0.265	0.260	0.256	-1.8%
Steam Coal	0.371	0.371	0.355	0.365	0.371	0.375	0.377	0.380	0.381	0.384	0.387	0.392	0.396	0.399	0.403	0.406	0.410	0.414	0.418	0.421	0.424	0.7%
Net Coal Coke Imports	0.044	0.034	0.031	0.038	0.040	0.043	0.046	0.049	0.051	0.054	0.058	0.062	0.064	0.066	0.069	0.071	0.073	0.076	0.078	0.080	0.081	3.1%
Coal Subtotal	0.785	0.743	0.727	0.740	0.744	0.748	0.749	0.751	0.751	0.751	0.753	0.756	0.756	0.756	0.757	0.757	0.758	0.759	0.761	0.761	0.761	-0.2%
Renewable Energy 7/	0.413	0.413	0.427	0.443	0.455	0.471	0.484	0.498	0.503	0.514	0.527	0.544	0.557	0.570	0.582	0.594	0.606	0.619	0.632	0.643	0.652	2.3%
Electricity	0.783	0.744	0.752	0.771	0.788	0.807	0.824	0.843	0.857	0.871	0.889	0.906	0.917	0.927	0.937	0.947	0.957	0.967	0.978	0.988	0.996	1.2%
Delivered Energy	4.569	4.309	4.526	4.708	4.770	4.852	4.921	5.002	5.049	5.112	5.189	5.270	5.315	5.362	5.407	5.454	5.498	5.545	5.596	5.642	5.679	1.1%
Electricity Related Losses	1.891	1.780	1.804	1.860	1.892	1.948	1.978	2.001	2.028	2.053	2.097	2.121	2.124	2.148	2.167	2.190	2.204	2.240	2.250	2.273	2.288	1.0%
Total	6.461	6.089	6.329	6.568	6.662	6.800	6.899	7.004	7.077	7.165	7.286	7.391	7.438	7.510	7.574	7.644	7.702	7.785	7.846	7.915	7.967	1.1%

Table 3. Energy Consumption by Sector and Source (2 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
East North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Transportation																						
Distillate Fuel 8/	0.887	0.918	0.936	0.966	0.993	1.020	1.039	1.062	1.084	1.110	1.136	1.164	1.184	1.202	1.217	1.231	1.244	1.258	1.271	1.282	1.291	1.9%
Jet Fuel 9/	0.343	0.334	0.343	0.351	0.357	0.364	0.371	0.377	0.387	0.397	0.408	0.420	0.429	0.438	0.448	0.458	0.468	0.479	0.490	0.500	0.509	2.0%
Motor Gasoline 2/	2.568	2.591	2.645	2.710	2.748	2.787	2.818	2.854	2.894	2.935	2.972	3.010	3.045	3.076	3.100	3.123	3.147	3.168	3.188	3.210	3.225	1.1%
Residual Fuel	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	-0.7%
Liquefied Petroleum Gas	0.004	0.004	0.004	0.004	0.004	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	0.007	0.007	0.007	3.8%
Other Petroleum 10/	0.031	0.033	0.034	0.034	0.034	0.034	0.034	0.034	0.035	0.035	0.035	0.036	0.036	0.036	0.036	0.036	0.036	0.037	0.037	0.037	0.037	0.9%
Petroleum Subtotal	3.836	3.883	3.964	4.068	4.140	4.213	4.271	4.336	4.409	4.486	4.561	4.639	4.703	4.762	4.811	4.857	4.905	4.952	4.995	5.039	5.073	1.4%
Pipeline Fuel Natural Gas	0.121	0.079	0.080	0.081	0.080	0.080	0.080	0.080	0.080	0.080	0.081	0.082	0.083	0.084	0.085	0.086	0.087	0.088	0.090	0.091	0.092	-1.3%
Compressed Natural Gas	0.004	0.005	0.006	0.007	0.008	0.009	0.009	0.010	0.011	0.012	0.013	0.014	0.014	0.015	0.016	0.016	0.017	0.017	0.018	0.018	0.018	8.6%
Renewable Energy (E85) 11/	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.005	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	4.5%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.014	0.014	0.014	0.015	0.015	0.016	0.016	2.6%
Delivered Energy	3.973	3.980	4.064	4.170	4.243	4.317	4.376	4.443	4.517	4.596	4.673	4.753	4.820	4.881	4.932	4.980	5.031	5.080	5.125	5.172	5.208	1.4%
Electricity Related Losses	0.023	0.024	0.024	0.025	0.026	0.027	0.027	0.027	0.028	0.028	0.029	0.029	0.030	0.031	0.031	0.032	0.033	0.034	0.035	0.036	0.037	2.3%
Total	3.996	4.004	4.089	4.196	4.269	4.344	4.403	4.470	4.545	4.625	4.702	4.783	4.850	4.912	4.963	5.013	5.064	5.114	5.160	5.208	5.245	1.4%
Delivered Energy Consumption, All Sectors																						
Distillate Fuel	1.154	1.190	1.210	1.246	1.276	1.305	1.322	1.343	1.366	1.393	1.420	1.450	1.470	1.489	1.505	1.519	1.533	1.548	1.564	1.578	1.589	1.6%
Kerosene	0.013	0.014	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.012	0.012	0.012	0.012	0.012	0.012	0.012	-0.3%
Jet Fuel 9/	0.343	0.334	0.343	0.351	0.357	0.364	0.371	0.377	0.387	0.397	0.408	0.420	0.429	0.438	0.448	0.458	0.468	0.479	0.490	0.500	0.509	2.0%
Liquefied Petroleum Gas	0.235	0.219	0.228	0.230	0.232	0.234	0.236	0.238	0.240	0.242	0.243	0.245	0.245	0.245	0.248	0.245	0.245	0.244	0.248	0.255	0.258	0.5%
Motor Gasoline 2/	2.606	2.629	2.683	2.749	2.788	2.827	2.858	2.893	2.934	2.976	3.014	3.051	3.087	3.118	3.143	3.166	3.190	3.212	3.233	3.255	3.271	1.1%
Petrochemical Feedstocks	0.204	0.179	0.198	0.205	0.208	0.212	0.216	0.219	0.222	0.226	0.229	0.234	0.237	0.239	0.241	0.243	0.245	0.246	0.248	0.249	0.251	1.0%
Residual Fuel	0.030	0.023	0.022	0.015	0.016	0.016	0.017	0.018	0.018	0.018	0.018	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	-2.4%
Other Petroleum 12/	0.692	0.690	0.724	0.753	0.760	0.775	0.784	0.805	0.811	0.824	0.842	0.855	0.854	0.861	0.869	0.876	0.880	0.884	0.891	0.900	0.906	1.4%
Petroleum Subtotal	5.277	5.279	5.422	5.562	5.651	5.747	5.816	5.905	5.992	6.089	6.187	6.285	6.354	6.422	6.485	6.537	6.593	6.644	6.704	6.768	6.815	1.3%
Natural Gas 6/	3.822	3.648	3.902	4.063	4.102	4.115	4.149	4.181	4.207	4.227	4.256	4.289	4.318	4.335	4.354	4.382	4.412	4.437	4.463	4.485	4.518	0.8%
Metallurgical Coal	0.370	0.338	0.341	0.338	0.334	0.330	0.326	0.323	0.319	0.313	0.307	0.302	0.296	0.291	0.286	0.280	0.275	0.270	0.265	0.260	0.256	-1.8%
Steam Coal	0.409	0.406	0.391	0.401	0.408	0.413	0.415	0.418	0.420	0.424	0.426	0.431	0.435	0.439	0.442	0.446	0.450	0.454	0.458	0.462	0.465	0.6%
Net Coal Coke Imports	0.044	0.034	0.031	0.038	0.040	0.043	0.046	0.049	0.051	0.054	0.058	0.062	0.064	0.066	0.069	0.071	0.073	0.076	0.078	0.080	0.081	3.1%
Coal Subtotal	0.823	0.778	0.763	0.777	0.782	0.785	0.787	0.789	0.790	0.790	0.792	0.795	0.795	0.796	0.797	0.797	0.798	0.800	0.801	0.802	0.801	-0.1%
Renewable Energy 13/	0.471	0.472	0.487	0.503	0.516	0.533	0.547	0.562	0.567	0.579	0.592	0.609	0.623	0.636	0.648	0.661	0.674	0.687	0.700	0.712	0.722	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	1.920	1.934	1.972	2.028	2.073	2.115	2.151	2.187	2.221	2.251	2.287	2.321	2.350	2.376	2.406	2.437	2.467	2.493	2.522	2.551	2.581	1.5%
Delivered Energy	12.313	12.112	12.546	12.933	13.125	13.296	13.450	13.626	13.778	13.937	14.115	14.300	14.441	14.566	14.691	14.816	14.945	15.062	15.191	15.319	15.438	1.1%
Electricity Related Losses	4.637	4.627	4.731	4.896	4.981	5.105	5.162	5.195	5.255	5.306	5.395	5.432	5.443	5.507	5.563	5.635	5.684	5.777	5.800	5.868	5.930	1.2%
Total	16.950	16.739	17.278	17.829	18.106	18.401	18.612	18.821	19.032	19.243	19.510	19.732	19.885	20.073	20.254	20.451	20.629	20.839	20.991	21.187	21.368	1.2%
Electric Generators 14/																						
Distillate Fuel	0.014	0.012	0.009	0.011	0.010	0.009	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.009	-2.0%
Residual Fuel	0.082	0.016	0.006	0.003	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	0.001	0.001	0.001	0.001	-20.3%
Petroleum Subtotal	0.096	0.028	0.016	0.015	0.012	0.011	0.009	0.008	0.009	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.010	-10.6%
Natural Gas	0.309	0.229	0.427	0.430	0.453	0.471	0.519	0.553	0.610	0.646	0.713	0.808	0.878	0.933	0.999	1.065	1.132	1.225	1.317	1.405	1.484	8.2%
Steam Coal	4.526	4.660	4.619	4.798	4.901	5.031	5.101	5.262	5.321	5.366	5.406	5.443	5.471	5.505	5.530	5.546	5.572	5.600	5.559	5.569	5.581	1.1%
Nuclear Power	1.452	1.464	1.452	1.456	1.458	1.461	1.464	1.349	1.331	1.334	1.337	1.276	1.216	1.218	1.221	1.222	1.222	1.222	1.222	1.222	1.222	-0.9%
Renewable Energy 15/	0.079	0.086	0.100	0.103	0.111	0.112	0.109	0.109	0.111	0.110	0.124	0.118	0.118	0.113	0.108	0.118	0.105	0.105	0.104	0.105	0.105	1.4%
Electricity Imports 16/	0.095	0.095	0.089	0.122	0.119	0.135	0.112	0.101	0.093	0.092	0.094	0.099	0.101	0.104	0.102	0.113	0.111	0.108	0.109	0.107	0.109	0.7%
Total	6.557	6.561	6.703	6.924	7.054	7.220	7.313	7.382	7.475	7.557	7.682	7.753	7.793	7.883	7.969	8.073	8.152	8.270	8.322	8.419	8.511	1.3%

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

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Total Energy Consumption																						
Distillate Fuel	1.168	1.202	1.219	1.257	1.286	1.314	1.330	1.350	1.374	1.401	1.427	1.458	1.479	1.498	1.513	1.527	1.542	1.557	1.573	1.587	1.598	1.6%
Kerosene	0.013	0.014	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.012	0.012	0.012	0.012	0.012	0.012	0.012	-0.3%
Jet Fuel 9/	0.343	0.334	0.343	0.351	0.357	0.364	0.371	0.377	0.387	0.397	0.408	0.420	0.429	0.438	0.448	0.458	0.468	0.479	0.490	0.500	0.509	2.0%
Liquefied Petroleum Gas	0.235	0.219	0.228	0.230	0.232	0.234	0.236	0.238	0.240	0.242	0.243	0.245	0.245	0.245	0.248	0.245	0.245	0.244	0.248	0.255	0.258	0.5%
Motor Gasoline 2/	2.606	2.629	2.683	2.749	2.788	2.827	2.858	2.893	2.934	2.976	3.014	3.051	3.087	3.118	3.143	3.166	3.190	3.212	3.233	3.255	3.271	1.1%
Petrochemical Feedstocks	0.204	0.179	0.198	0.205	0.208	0.212	0.216	0.219	0.222	0.226	0.229	0.234	0.237	0.239	0.241	0.243	0.245	0.246	0.248	0.249	0.251	1.0%
Residual Fuel	0.112	0.039	0.028	0.018	0.018	0.018	0.018	0.018	0.019	0.019	0.019	0.019	0.020	0.020	0.019	0.019	0.019	0.019	0.019	0.019	0.019	-8.4%
Other Petroleum 12/	0.692	0.690	0.724	0.753	0.760	0.775	0.784	0.805	0.811	0.824	0.842	0.855	0.854	0.861	0.869	0.876	0.880	0.884	0.891	0.900	0.906	1.4%
Petroleum Subtotal	5.373	5.307	5.437	5.577	5.663	5.757	5.825	5.914	6.000	6.097	6.195	6.294	6.363	6.432	6.494	6.547	6.602	6.654	6.714	6.778	6.825	1.2%
Natural Gas	4.132	3.877	4.329	4.492	4.555	4.586	4.668	4.734	4.817	4.873	4.969	5.097	5.196	5.268	5.353	5.447	5.544	5.662	5.780	5.890	6.001	1.9%
Metallurgical Coal	0.370	0.338	0.341	0.338	0.334	0.330	0.326	0.323	0.319	0.313	0.307	0.302	0.296	0.291	0.286	0.280	0.275	0.270	0.265	0.260	0.256	-1.8%
Steam Coal	4.934	5.066	5.010	5.200	5.309	5.443	5.516	5.680	5.741	5.790	5.832	5.874	5.907	5.944	5.972	5.992	6.022	6.054	6.017	6.031	6.046	1.0%
Net Coal Coke Imports	0.044	0.034	0.031	0.038	0.040	0.043	0.046	0.049	0.051	0.054	0.058	0.062	0.064	0.066	0.069	0.071	0.073	0.076	0.078	0.080	0.081	3.1%
Coal Subtotal	5.348	5.438	5.382	5.575	5.682	5.816	5.888	6.051	6.111	6.157	6.198	6.238	6.267	6.301	6.326	6.343	6.370	6.400	6.361	6.371	6.382	0.9%
Nuclear Power	1.452	1.464	1.452	1.456	1.458	1.461	1.464	1.349	1.331	1.334	1.337	1.276	1.216	1.218	1.221	1.222	1.222	1.222	1.222	1.222	1.222	-0.9%
Renewable Energy 17/	0.550	0.558	0.588	0.606	0.627	0.644	0.655	0.671	0.678	0.689	0.716	0.727	0.741	0.749	0.756	0.778	0.779	0.792	0.805	0.818	0.827	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity Imports 16/	0.095	0.095	0.089	0.122	0.119	0.135	0.112	0.101	0.093	0.092	0.094	0.099	0.101	0.104	0.102	0.113	0.111	0.108	0.109	0.107	0.109	0.7%
Total	16.950	16.739	17.278	17.829	18.106	18.401	18.612	18.821	19.032	19.243	19.510	19.732	19.885	20.073	20.254	20.451	20.629	20.839	20.991	21.187	21.368	1.2%
Energy Use & Related Statistics																						
Delivered Energy Use	12.313	12.112	12.546	12.933	13.125	13.296	13.450	13.626	13.778	13.937	14.115	14.300	14.441	14.566	14.691	14.816	14.945	15.062	15.191	15.319	15.438	1.1%
Total Energy Use	16.950	16.739	17.278	17.829	18.106	18.401	18.612	18.821	19.032	19.243	19.510	19.732	19.885	20.073	20.254	20.451	20.629	20.839	20.991	21.187	21.368	1.2%
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	46.848	46.977	47.105	47.233	47.359	47.485	47.610	47.733	0.3%
US GDP (billion 1996 dollars)	9224	9319	9523	9826	10103	10418	10719	11046	11442	11867	12312	12777	13166	13560	13973	14399	14835	15287	15717	16138	16525	3.0%
Carbon Dioxide Emissions																						
(million metric tons carbon equivalent)	1561.7	1560.8	1583.9	1631.3	1662.2	1693.5	1724.4	1755.8	1780.9	1806.5	1834.7	1865.1	1892.0	1917.9	1941.0	1965.4	1990.6	2015.6	2039.3	2064.3	2087.8	1.5%

1/ Includes wood used for residential heating.

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 cogeneration.

5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.

6/ Includes lease and plant fuel and consumption by cogenerators; excludes consumption by nonutility generators.

7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass; includes cogeneration, both for sale to the grid and for own use.

8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.

9/ Includes only kerosene type.

10/ Includes aviation gas 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 all electric power generators for grid-connected power except cogenerators, which produce electricity and other useful thermal energy. 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 cogeneration. Excludes net electricity imports.

16/ In 1999 approximately 70 percent of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions for the fuel source of imported electricity.

17/ 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 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 electric utility fuel consumption: EIA, Electric Power Annual 1999, Volume I, DOE/EIA-0348(99)/1 (Washington, DC, August 2000). 2000 nonutility consumption estimates: EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility." Other 2000 values: EIA, Short-Term Energy Outlook, October 2001, http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/oct01.pdf. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 4. Energy Consumption by Sector and Source (1 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
West North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Energy Consumption																						
Residential																						
Distillate Fuel	0.027	0.030	0.029	0.029	0.029	0.028	0.028	0.027	0.027	0.026	0.026	0.026	0.025	0.025	0.025	0.024	0.024	0.024	0.023	0.023	0.023	-0.8%
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-1.4%
Liquefied Petroleum Gas	0.083	0.077	0.077	0.077	0.077	0.076	0.076	0.076	0.075	0.075	0.074	0.073	0.072	0.071	0.069	0.068	0.067	0.066	0.065	0.064	0.064	-1.3%
Petroleum Subtotal	0.111	0.108	0.107	0.107	0.107	0.106	0.105	0.104	0.104	0.102	0.101	0.100	0.098	0.096	0.095	0.093	0.092	0.091	0.090	0.089	0.088	-1.2%
Natural Gas	0.469	0.481	0.494	0.505	0.509	0.508	0.510	0.512	0.517	0.518	0.520	0.524	0.528	0.529	0.532	0.535	0.539	0.541	0.544	0.548	0.554	0.8%
Coal	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.7%
Renewable Energy 1/	0.030	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	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.0%
Electricity	0.301	0.315	0.321	0.331	0.337	0.342	0.345	0.348	0.352	0.354	0.357	0.361	0.367	0.371	0.376	0.381	0.387	0.390	0.395	0.400	0.406	1.5%
Delivered Energy	0.916	0.940	0.959	0.979	0.990	0.992	0.996	1.001	1.009	1.011	1.016	1.022	1.030	1.033	1.039	1.045	1.054	1.058	1.065	1.073	1.084	0.8%
Electricity Related Losses	0.752	0.783	0.800	0.842	0.867	0.879	0.890	0.894	0.891	0.878	0.873	0.871	0.873	0.871	0.858	0.841	0.841	0.844	0.844	0.842	0.851	0.6%
Total	1.669	1.723	1.758	1.821	1.857	1.870	1.886	1.895	1.899	1.888	1.889	1.892	1.903	1.904	1.897	1.887	1.895	1.901	1.909	1.914	1.935	0.7%
Commercial																						
Distillate Fuel	0.014	0.016	0.016	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	1.3%
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	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-0.8%
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.5%
Liquefied Petroleum Gas	0.017	0.016	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.018	0.018	0.019	0.019	0.019	0.5%
Motor Gasoline 2/	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	-0.5%
Petroleum Subtotal	0.039	0.039	0.039	0.040	0.040	0.041	0.041	0.041	0.042	0.042	0.042	0.042	0.042	0.043	0.043	0.043	0.043	0.043	0.044	0.044	0.044	0.6%
Natural Gas	0.348	0.358	0.364	0.376	0.383	0.385	0.388	0.391	0.394	0.397	0.401	0.404	0.406	0.409	0.412	0.416	0.420	0.423	0.426	0.429	0.432	1.1%
Coal	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.6%
Renewable Energy 3/	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.0%
Electricity	0.284	0.296	0.300	0.309	0.317	0.324	0.331	0.337	0.343	0.348	0.353	0.358	0.364	0.371	0.377	0.384	0.391	0.397	0.402	0.408	0.413	1.9%
Delivered Energy	0.687	0.707	0.719	0.740	0.756	0.765	0.775	0.785	0.794	0.802	0.811	0.820	0.829	0.838	0.848	0.859	0.869	0.879	0.889	0.898	0.906	1.4%
Electricity Related Losses	0.711	0.735	0.748	0.786	0.815	0.834	0.854	0.867	0.867	0.862	0.862	0.863	0.866	0.870	0.862	0.848	0.850	0.857	0.860	0.859	0.866	1.0%
Total	1.398	1.442	1.466	1.526	1.571	1.599	1.630	1.652	1.662	1.664	1.673	1.683	1.695	1.708	1.710	1.707	1.719	1.737	1.749	1.757	1.772	1.2%
Industrial 4/																						
Distillate Fuel	0.161	0.159	0.160	0.164	0.167	0.169	0.168	0.168	0.170	0.172	0.175	0.177	0.179	0.181	0.182	0.184	0.186	0.188	0.190	0.193	0.195	1.0%
Liquefied Petroleum Gas	0.155	0.143	0.153	0.157	0.159	0.162	0.163	0.164	0.166	0.169	0.171	0.175	0.177	0.179	0.181	0.182	0.183	0.184	0.187	0.191	0.194	1.1%
Petrochemical Feedstocks	0.025	0.022	0.025	0.025	0.026	0.026	0.027	0.027	0.028	0.028	0.028	0.029	0.029	0.030	0.030	0.030	0.030	0.031	0.031	0.031	0.031	1.0%
Residual Fuel	0.007	0.006	0.005	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	-3.0%
Motor Gasoline 2/	0.038	0.038	0.038	0.039	0.039	0.040	0.040	0.039	0.040	0.040	0.041	0.042	0.042	0.043	0.043	0.044	0.044	0.045	0.045	0.046	0.046	1.0%
Other Petroleum 5/	0.258	0.258	0.266	0.279	0.282	0.288	0.292	0.300	0.303	0.307	0.314	0.318	0.318	0.321	0.324	0.328	0.329	0.331	0.334	0.338	0.341	1.4%
Petroleum Subtotal	0.644	0.626	0.647	0.667	0.677	0.688	0.693	0.702	0.710	0.721	0.733	0.745	0.749	0.757	0.765	0.772	0.777	0.782	0.792	0.803	0.811	1.2%
Natural Gas 6/	0.470	0.427	0.477	0.512	0.515	0.522	0.532	0.541	0.547	0.555	0.565	0.575	0.583	0.590	0.596	0.605	0.613	0.622	0.629	0.633	0.640	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Steam Coal	0.241	0.242	0.231	0.237	0.241	0.244	0.245	0.247	0.248	0.250	0.252	0.255	0.258	0.260	0.262	0.264	0.267	0.269	0.272	0.274	0.276	0.7%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal Subtotal	0.241	0.242	0.231	0.237	0.241	0.244	0.245	0.247	0.248	0.250	0.252	0.255	0.258	0.260	0.262	0.264	0.267	0.269	0.272	0.274	0.276	0.7%
Renewable Energy 7/	0.151	0.150	0.155	0.160	0.164	0.169	0.173	0.178	0.179	0.183	0.187	0.192	0.196	0.199	0.203	0.206	0.210	0.214	0.217	0.220	0.223	2.0%
Electricity	0.285	0.271	0.274	0.281	0.287	0.294	0.300	0.307	0.312	0.317	0.324	0.330	0.334	0.338	0.341	0.345	0.348	0.352	0.356	0.360	0.363	1.2%
Delivered Energy	1.792	1.715	1.783	1.857	1.884	1.917	1.943	1.974	1.997	2.026	2.061	2.097	2.120	2.144	2.168	2.192	2.215	2.239	2.266	2.291	2.313	1.3%
Electricity Related Losses	0.712	0.674	0.681	0.714	0.737	0.756	0.775	0.789	0.790	0.786	0.791	0.795	0.794	0.793	0.779	0.761	0.758	0.761	0.761	0.758	0.760	0.3%
Total	2.504	2.389	2.464	2.571	2.621	2.673	2.718	2.763	2.787	2.813	2.852	2.892	2.913	2.936	2.947	2.954	2.973	3.000	3.027	3.048	3.073	1.0%

Table 4. Energy Consumption by Sector and Source (2 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
West North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Transportation																						
Distillate Fuel 8/	0.551	0.570	0.581	0.600	0.618	0.636	0.649	0.664	0.679	0.696	0.712	0.730	0.744	0.756	0.766	0.776	0.786	0.796	0.805	0.814	0.821	2.0%
Jet Fuel 9/	0.190	0.186	0.190	0.195	0.198	0.202	0.206	0.210	0.215	0.220	0.226	0.232	0.237	0.242	0.247	0.252	0.258	0.264	0.269	0.275	0.280	2.0%
Motor Gasoline 2/	1.240	1.251	1.277	1.313	1.336	1.357	1.374	1.394	1.416	1.439	1.461	1.482	1.503	1.521	1.536	1.551	1.566	1.579	1.592	1.606	1.617	1.3%
Residual Fuel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.5%
Liquefied Petroleum Gas	0.001	0.002	0.002	0.002	0.002	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	0.003	0.003	0.003	4.2%
Other Petroleum 10/	0.016	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.018	0.018	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.020	0.020	0.020	1.2%
Petroleum Subtotal	1.999	2.025	2.068	2.128	2.171	2.215	2.249	2.287	2.330	2.376	2.420	2.466	2.505	2.541	2.571	2.601	2.631	2.661	2.690	2.718	2.741	1.6%
Pipeline Fuel Natural Gas	0.093	0.092	0.092	0.095	0.095	0.094	0.094	0.094	0.095	0.095	0.097	0.099	0.101	0.103	0.104	0.106	0.108	0.110	0.112	0.114	0.115	1.0%
Compressed Natural Gas	0.002	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.006	0.006	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011	0.011	0.011	10.3%
Renewable Energy (E85) 11/	0.001	0.001	0.001	0.001	0.001	0.002	0.002	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	0.003	4.8%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	2.8%
Delivered Energy	2.099	2.125	2.168	2.232	2.276	2.320	2.355	2.394	2.438	2.485	2.531	2.581	2.623	2.660	2.694	2.726	2.759	2.792	2.822	2.853	2.877	1.6%
Electricity Related Losses	0.010	0.011	0.011	0.011	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.015	1.9%
Total	2.109	2.135	2.179	2.243	2.288	2.332	2.368	2.407	2.451	2.498	2.544	2.594	2.636	2.674	2.707	2.739	2.772	2.806	2.837	2.867	2.892	1.6%
Delivered Energy Consumption, All Sectors																						
Distillate Fuel	0.753	0.775	0.786	0.810	0.831	0.851	0.863	0.877	0.893	0.912	0.930	0.951	0.965	0.979	0.991	1.002	1.013	1.025	1.037	1.048	1.057	1.7%
Kerosene	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	-0.3%
Jet Fuel 9/	0.190	0.186	0.190	0.195	0.198	0.202	0.206	0.210	0.215	0.220	0.226	0.232	0.237	0.242	0.247	0.252	0.258	0.264	0.269	0.275	0.280	2.0%
Liquefied Petroleum Gas	0.256	0.237	0.248	0.252	0.254	0.257	0.258	0.259	0.261	0.263	0.265	0.268	0.269	0.270	0.271	0.271	0.272	0.272	0.274	0.277	0.279	0.4%
Motor Gasoline 2/	1.283	1.294	1.320	1.357	1.380	1.401	1.418	1.438	1.460	1.484	1.506	1.528	1.549	1.568	1.584	1.599	1.614	1.628	1.642	1.656	1.667	1.3%
Petrochemical Feedstocks	0.025	0.022	0.025	0.025	0.026	0.026	0.027	0.027	0.028	0.028	0.028	0.029	0.029	0.030	0.030	0.030	0.030	0.031	0.031	0.031	0.031	1.0%
Residual Fuel	0.010	0.007	0.007	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	-2.3%
Other Petroleum 12/	0.272	0.273	0.281	0.295	0.298	0.304	0.308	0.316	0.319	0.324	0.331	0.335	0.335	0.338	0.342	0.345	0.347	0.349	0.352	0.356	0.359	1.4%
Petroleum Subtotal	2.793	2.798	2.861	2.942	2.995	3.050	3.088	3.135	3.185	3.241	3.296	3.352	3.395	3.436	3.474	3.509	3.544	3.577	3.615	3.653	3.684	1.4%
Natural Gas 6/	1.382	1.359	1.430	1.491	1.506	1.512	1.528	1.544	1.559	1.573	1.590	1.609	1.627	1.640	1.654	1.672	1.690	1.706	1.722	1.735	1.751	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Steam Coal	0.258	0.257	0.247	0.254	0.258	0.261	0.263	0.265	0.266	0.268	0.270	0.273	0.276	0.278	0.281	0.283	0.285	0.288	0.291	0.293	0.295	0.7%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal Subtotal	0.258	0.257	0.247	0.254	0.258	0.261	0.263	0.265	0.266	0.268	0.270	0.273	0.276	0.278	0.281	0.283	0.285	0.288	0.291	0.293	0.295	0.7%
Renewable Energy 13/	0.186	0.186	0.191	0.196	0.200	0.205	0.209	0.214	0.216	0.219	0.223	0.229	0.232	0.236	0.239	0.243	0.247	0.250	0.254	0.257	0.260	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	0.875	0.886	0.900	0.925	0.946	0.965	0.981	0.997	1.012	1.024	1.039	1.055	1.071	1.085	1.100	1.116	1.132	1.146	1.160	1.175	1.189	1.5%
Delivered Energy	5.494	5.487	5.628	5.807	5.905	5.994	6.069	6.154	6.237	6.325	6.419	6.519	6.601	6.675	6.749	6.823	6.898	6.968	7.042	7.114	7.179	1.3%
Electricity Related Losses	2.186	2.203	2.239	2.353	2.431	2.481	2.532	2.562	2.561	2.539	2.539	2.542	2.546	2.547	2.513	2.463	2.462	2.476	2.480	2.473	2.492	0.7%
Total	7.680	7.690	7.867	8.160	8.336	8.475	8.601	8.716	8.798	8.864	8.958	9.061	9.147	9.223	9.261	9.286	9.360	9.444	9.522	9.587	9.672	1.2%
Electric Generators 14/																						
Distillate Fuel	0.012	0.012	0.007	0.008	0.009	0.009	0.009	0.008	0.008	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	-2.1%
Residual Fuel	0.006	0.014	0.003	0.003	0.004	0.005	0.004	0.003	0.003	0.002	0.002	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	-0.3%
Petroleum Subtotal	0.018	0.026	0.010	0.011	0.013	0.013	0.013	0.010	0.010	0.010	0.009	0.010	0.011	0.011	0.012	0.012	0.012	0.012	0.012	0.012	0.013	-1.4%
Natural Gas	0.125	0.120	0.140	0.143	0.141	0.135	0.132	0.114	0.124	0.126	0.137	0.152	0.168	0.178	0.197	0.218	0.233	0.256	0.274	0.281	0.291	4.3%
Steam Coal	2.276	2.313	2.327	2.450	2.548	2.621	2.692	2.759	2.763	2.751	2.756	2.759	2.763	2.766	2.769	2.771	2.771	2.774	2.775	2.776	2.798	1.0%
Nuclear Power	0.482	0.487	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.441	0.385	0.385	0.385	0.385	0.385	0.385	-1.1%
Renewable Energy 15/	0.160	0.143	0.181	0.191	0.194	0.195	0.194	0.194	0.194	0.194	0.195	0.194	0.194	0.195	0.194	0.194	0.194	0.194	0.193	0.194	0.194	1.0%
Electricity Imports 16/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	3.060	3.089	3.139	3.278	3.377	3.446	3.513	3.559	3.573	3.563	3.578	3.597	3.617	3.632	3.613	3.580	3.594	3.622	3.640	3.648	3.681	0.9%

Table 4. Energy Consumption by Sector and Source (3 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
West North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Total Energy Consumption																						
Distillate Fuel	0.765	0.787	0.793	0.819	0.839	0.860	0.871	0.884	0.901	0.919	0.937	0.958	0.973	0.987	0.999	1.010	1.021	1.033	1.045	1.056	1.065	1.7%
Kerosene	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	-0.3%
Jet Fuel 9/	0.190	0.186	0.190	0.195	0.198	0.202	0.206	0.210	0.215	0.220	0.226	0.232	0.237	0.242	0.247	0.252	0.258	0.264	0.269	0.275	0.280	2.0%
Liquefied Petroleum Gas	0.256	0.237	0.248	0.252	0.254	0.257	0.258	0.259	0.261	0.263	0.265	0.268	0.269	0.270	0.271	0.271	0.272	0.272	0.274	0.277	0.279	0.4%
Motor Gasoline 2/	1.283	1.294	1.320	1.357	1.380	1.401	1.418	1.438	1.460	1.484	1.506	1.528	1.549	1.568	1.584	1.599	1.614	1.628	1.642	1.656	1.667	1.3%
Petrochemical Feedstocks	0.025	0.022	0.025	0.025	0.026	0.026	0.027	0.027	0.028	0.028	0.028	0.029	0.029	0.030	0.030	0.030	0.030	0.031	0.031	0.031	0.031	1.0%
Residual Fuel	0.016	0.021	0.010	0.007	0.009	0.010	0.009	0.008	0.009	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.012	-1.5%
Other Petroleum 12/	0.272	0.273	0.281	0.295	0.298	0.304	0.308	0.316	0.319	0.324	0.331	0.335	0.335	0.338	0.342	0.345	0.347	0.349	0.352	0.356	0.359	1.4%
Petroleum Subtotal	2.811	2.824	2.870	2.953	3.008	3.064	3.101	3.145	3.195	3.250	3.305	3.362	3.406	3.448	3.486	3.521	3.555	3.590	3.627	3.666	3.697	1.4%
Natural Gas	1.507	1.479	1.569	1.634	1.647	1.647	1.661	1.658	1.683	1.699	1.727	1.761	1.794	1.818	1.851	1.889	1.922	1.963	1.996	2.016	2.042	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Steam Coal	2.534	2.571	2.574	2.704	2.806	2.882	2.954	3.023	3.028	3.019	3.026	3.032	3.039	3.044	3.050	3.054	3.056	3.062	3.066	3.069	3.093	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal Subtotal	2.534	2.571	2.574	2.704	2.806	2.882	2.954	3.023	3.028	3.019	3.026	3.032	3.039	3.044	3.050	3.054	3.056	3.062	3.066	3.069	3.093	1.0%
Nuclear Power	0.482	0.487	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.482	0.441	0.385	0.385	0.385	0.385	0.385	0.385	-1.1%
Renewable Energy 17/	0.346	0.330	0.372	0.387	0.394	0.400	0.403	0.408	0.410	0.413	0.418	0.423	0.426	0.431	0.433	0.437	0.440	0.444	0.447	0.451	0.454	1.4%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity Imports 16/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	7.680	7.690	7.867	8.160	8.336	8.475	8.601	8.716	8.798	8.864	8.958	9.061	9.147	9.223	9.261	9.286	9.360	9.444	9.522	9.587	9.672	1.2%
Energy Use & Related Statistics																						
Delivered Energy Use	5.494	5.487	5.628	5.807	5.905	5.994	6.069	6.154	6.237	6.325	6.419	6.519	6.601	6.675	6.749	6.823	6.898	6.968	7.042	7.114	7.179	1.3%
Total Energy Use	7.680	7.690	7.867	8.160	8.336	8.475	8.601	8.716	8.798	8.864	8.958	9.061	9.147	9.223	9.261	9.286	9.360	9.444	9.522	9.587	9.672	1.2%
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	20.351	20.449	20.546	20.643	20.738	20.833	20.925	21.017	0.5%
US GDP (billion 1996 dollars)	9224	9319	9523	9826	10103	10418	10719	11046	11442	11867	12312	12777	13166	13560	13973	14399	14835	15287	15717	16138	16525	3.0%
Carbon Dioxide Emissions																						
(million metric tons carbon equivalent)	1561.7	1560.8	1583.9	1631.3	1662.2	1693.5	1724.4	1755.8	1780.9	1806.5	1834.7	1865.1	1892.0	1917.9	1941.0	1965.4	1990.6	2015.6	2039.3	2064.3	2087.8	1.5%

1/ Includes wood used for residential heating.

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 cogeneration.

5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.

6/ Includes lease and plant fuel and consumption by cogenerators; excludes consumption by nonutility generators.

7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass; includes cogeneration, both for sale to the grid and for own use.

8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.

9/ Includes only kerosene type.

10/ Includes aviation gas 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 all electric power generators for grid-connected power except cogenerators, which produce electricity and other useful thermal energy. 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 cogeneration. Excludes net electricity imports.

16/ In 1999 approximately 70 percent of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions for the fuel source of imported electricity.

17/ 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 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 electric utility fuel consumption: EIA, Electric Power Annual 1999, Volume I, DOE/EIA-0348(99)/1 (Washington, DC, August 2000). 2000 nonutility consumption estimates: EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility." Other 2000 values: EIA, Short-Term Energy Outlook, October 2001, http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/oct01.pdf. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 5. Energy Consumption by Sector and Source (1 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
South Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Energy Consumption																						
Residential																						
Distillate Fuel	0.090	0.092	0.090	0.090	0.089	0.088	0.086	0.085	0.083	0.081	0.079	0.078	0.078	0.076	0.075	0.074	0.073	0.072	0.071	0.071	0.070	-1.2%
Kerosene	0.036	0.036	0.036	0.034	0.033	0.032	0.032	0.031	0.031	0.030	0.030	0.029	0.029	0.029	0.029	0.029	0.028	0.028	0.028	0.028	0.028	-1.3%
Liquefied Petroleum Gas	0.091	0.082	0.083	0.083	0.082	0.082	0.082	0.081	0.082	0.081	0.081	0.080	0.079	0.078	0.077	0.076	0.075	0.074	0.073	0.072	0.072	-1.2%
Petroleum Subtotal	0.217	0.211	0.209	0.207	0.205	0.202	0.199	0.197	0.196	0.193	0.190	0.188	0.186	0.183	0.181	0.178	0.177	0.174	0.172	0.171	0.170	-1.2%
Natural Gas	0.469	0.466	0.482	0.496	0.505	0.508	0.517	0.525	0.534	0.541	0.550	0.561	0.572	0.580	0.589	0.599	0.609	0.617	0.627	0.637	0.650	1.6%
Coal	0.004	0.004	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	0.005	0.005	0.005	0.005	0.005	0.004	0.3%
Renewable Energy 1/	0.072	0.069	0.069	0.070	0.070	0.070	0.070	0.071	0.071	0.071	0.071	0.072	0.072	0.072	0.073	0.073	0.073	0.074	0.074	0.074	0.075	0.2%
Electricity	0.990	1.025	1.060	1.100	1.129	1.149	1.168	1.187	1.209	1.226	1.246	1.267	1.293	1.313	1.337	1.362	1.388	1.408	1.431	1.456	1.485	2.0%
Delivered Energy	1.752	1.775	1.825	1.877	1.912	1.933	1.958	1.984	2.015	2.036	2.063	2.092	2.128	2.153	2.184	2.216	2.252	2.277	2.309	2.342	2.384	1.6%
Electricity Related Losses	2.031	2.054	2.087	2.109	2.096	2.130	2.140	2.133	2.119	2.104	2.103	2.093	2.099	2.095	2.095	2.100	2.109	2.123	2.140	2.162	2.189	0.4%
Total	3.783	3.830	3.912	3.986	4.009	4.063	4.099	4.117	4.134	4.140	4.165	4.185	4.228	4.248	4.279	4.316	4.361	4.400	4.449	4.504	4.573	1.0%
Commercial																						
Distillate Fuel	0.069	0.073	0.074	0.077	0.078	0.080	0.081	0.082	0.084	0.085	0.086	0.087	0.088	0.088	0.088	0.088	0.089	0.089	0.090	0.091	0.091	1.4%
Residual Fuel	0.014	0.011	0.012	0.012	0.013	0.013	0.013	0.013	0.014	0.014	0.014	0.015	0.015	0.016	0.016	0.016	0.017	0.017	0.017	0.018	0.018	1.3%
Kerosene	0.002	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	0.003	0.003	0.003	0.003	0.003	0.003	0.003	1.9%
Liquefied Petroleum Gas	0.010	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.012	0.012	0.012	0.012	0.012	0.013	0.013	1.5%
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	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	-0.5%
Petroleum Subtotal	0.100	0.100	0.102	0.105	0.108	0.110	0.112	0.113	0.115	0.117	0.118	0.120	0.121	0.122	0.123	0.124	0.125	0.126	0.128	0.129	0.130	1.3%
Natural Gas	0.389	0.391	0.406	0.423	0.436	0.444	0.455	0.466	0.478	0.490	0.503	0.515	0.527	0.540	0.554	0.569	0.584	0.599	0.614	0.630	0.645	2.6%
Coal	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.009	1.6%
Renewable Energy 3/	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.0%
Electricity	0.812	0.836	0.866	0.898	0.929	0.958	0.988	1.019	1.050	1.083	1.115	1.149	1.183	1.219	1.256	1.293	1.331	1.368	1.405	1.442	1.479	3.0%
Delivered Energy	1.321	1.347	1.393	1.447	1.493	1.532	1.575	1.619	1.664	1.710	1.757	1.804	1.853	1.903	1.955	2.008	2.061	2.115	2.169	2.223	2.276	2.8%
Electricity Related Losses	1.666	1.676	1.704	1.722	1.725	1.775	1.811	1.832	1.841	1.858	1.882	1.897	1.921	1.945	1.968	1.995	2.022	2.063	2.102	2.142	2.180	1.4%
Total	2.987	3.022	3.097	3.169	3.217	3.307	3.386	3.452	3.505	3.569	3.639	3.701	3.773	3.848	3.923	4.003	4.084	4.178	4.271	4.365	4.456	2.0%
Industrial 4/																						
Distillate Fuel	0.173	0.172	0.170	0.176	0.179	0.182	0.182	0.183	0.185	0.188	0.191	0.194	0.197	0.199	0.202	0.203	0.205	0.208	0.211	0.214	0.217	1.1%
Liquefied Petroleum Gas	0.042	0.039	0.042	0.042	0.043	0.043	0.044	0.044	0.045	0.045	0.046	0.047	0.048	0.048	0.049	0.049	0.049	0.049	0.050	0.051	0.052	1.1%
Petrochemical Feedstocks	0.144	0.125	0.139	0.143	0.145	0.147	0.149	0.152	0.154	0.156	0.158	0.162	0.164	0.166	0.167	0.168	0.169	0.170	0.171	0.172	0.173	0.9%
Residual Fuel	0.108	0.072	0.060	0.065	0.072	0.079	0.086	0.092	0.099	0.100	0.101	0.103	0.104	0.104	0.105	0.106	0.107	0.108	0.108	0.109	0.110	0.1%
Motor Gasoline 2/	0.030	0.030	0.031	0.031	0.032	0.032	0.032	0.032	0.033	0.033	0.034	0.034	0.035	0.035	0.036	0.037	0.037	0.038	0.038	0.039	0.039	1.3%
Other Petroleum 5/	0.321	0.322	0.338	0.340	0.342	0.345	0.346	0.349	0.350	0.356	0.362	0.366	0.369	0.375	0.381	0.387	0.390	0.393	0.399	0.405	0.411	1.2%
Petroleum Subtotal	0.819	0.760	0.779	0.797	0.813	0.829	0.839	0.853	0.866	0.879	0.891	0.906	0.916	0.928	0.939	0.949	0.957	0.965	0.978	0.990	1.002	1.0%
Natural Gas 6/	0.739	0.667	0.747	0.769	0.777	0.787	0.797	0.808	0.816	0.826	0.836	0.851	0.861	0.870	0.879	0.887	0.895	0.901	0.907	0.913	0.919	1.1%
Metallurgical Coal	0.071	0.065	0.066	0.065	0.064	0.064	0.063	0.062	0.061	0.060	0.059	0.058	0.057	0.056	0.055	0.054	0.053	0.052	0.051	0.050	0.049	-1.8%
Steam Coal	0.350	0.350	0.339	0.347	0.351	0.354	0.355	0.356	0.354	0.353	0.351	0.354	0.354	0.354	0.350	0.351	0.353	0.354	0.357	0.359	0.360	0.1%
Net Coal Coke Imports	0.006	0.004	0.006	0.007	0.008	0.009	0.010	0.011	0.012	0.013	0.015	0.016	0.017	0.018	0.019	0.020	0.020	0.021	0.022	0.023	0.024	7.1%
Coal Subtotal	0.427	0.419	0.411	0.419	0.424	0.427	0.428	0.429	0.428	0.426	0.425	0.428	0.428	0.427	0.423	0.424	0.426	0.428	0.430	0.432	0.434	0.1%
Renewable Energy 7/	0.437	0.438	0.447	0.457	0.465	0.475	0.484	0.494	0.493	0.500	0.507	0.519	0.528	0.536	0.543	0.550	0.558	0.566	0.573	0.580	0.586	1.5%
Electricity	0.573	0.544	0.548	0.564	0.576	0.587	0.598	0.611	0.622	0.633	0.646	0.662	0.673	0.684	0.695	0.704	0.714	0.724	0.735	0.745	0.755	1.4%
Delivered Energy	2.995	2.827	2.933	3.006	3.055	3.105	3.146	3.195	3.225	3.264	3.305	3.365	3.406	3.445	3.479	3.515	3.551	3.584	3.624	3.660	3.695	1.1%
Electricity Related Losses	1.176	1.091	1.079	1.081	1.069	1.088	1.096	1.099	1.090	1.087	1.091	1.093	1.093	1.092	1.088	1.086	1.085	1.092	1.100	1.107	1.113	-0.3%
Total	4.171	3.918	4.012	4.087	4.123	4.193	4.242	4.293	4.315	4.351	4.396	4.459	4.499	4.538	4.568	4.602	4.636	4.676	4.724	4.767	4.808	0.7%

Table 5. Energy Consumption by Sector and Source (2 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
South Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Transportation																						
Distillate Fuel 8/	0.945	0.977	0.996	1.039	1.078	1.120	1.153	1.191	1.229	1.271	1.314	1.359	1.396	1.432	1.464	1.495	1.525	1.557	1.588	1.617	1.644	2.8%
Jet Fuel 9/	0.388	0.379	0.388	0.400	0.410	0.421	0.431	0.442	0.457	0.472	0.488	0.505	0.520	0.535	0.550	0.565	0.582	0.599	0.616	0.633	0.650	2.6%
Motor Gasoline 2/	3.180	3.208	3.276	3.380	3.454	3.529	3.596	3.669	3.752	3.839	3.922	4.007	4.090	4.169	4.240	4.309	4.381	4.450	4.517	4.587	4.649	1.9%
Residual Fuel	0.138	0.125	0.128	0.129	0.130	0.130	0.131	0.132	0.133	0.134	0.135	0.135	0.136	0.137	0.138	0.139	0.140	0.141	0.142	0.142	0.143	0.2%
Liquefied Petroleum Gas	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.009	5.4%
Other Petroleum 10/	0.039	0.042	0.043	0.044	0.045	0.045	0.046	0.047	0.047	0.048	0.049	0.050	0.051	0.051	0.052	0.053	0.053	0.054	0.055	0.056	0.056	1.8%
Petroleum Subtotal	4.693	4.735	4.835	4.997	5.121	5.250	5.362	5.486	5.623	5.770	5.915	6.063	6.200	6.331	6.451	6.568	6.689	6.808	6.926	7.045	7.152	2.1%
Pipeline Fuel Natural Gas	0.077	0.065	0.063	0.062	0.061	0.060	0.060	0.061	0.062	0.062	0.064	0.065	0.066	0.068	0.069	0.070	0.071	0.073	0.074	0.075	0.075	-0.1%
Compressed Natural Gas	0.004	0.005	0.007	0.008	0.009	0.010	0.011	0.012	0.013	0.015	0.016	0.017	0.018	0.019	0.020	0.021	0.022	0.022	0.023	0.024	0.025	9.5%
Renewable Energy (E85) 11/	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.009	0.009	0.009	0.009	5.4%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	0.011	0.011	0.012	0.012	0.013	0.013	0.013	0.014	0.014	0.015	0.015	0.016	0.016	0.017	0.017	0.018	0.018	0.019	0.020	0.021	0.022	3.5%
Delivered Energy	4.788	4.821	4.921	5.083	5.208	5.339	5.453	5.579	5.719	5.869	6.016	6.168	6.308	6.443	6.566	6.686	6.810	6.932	7.053	7.174	7.284	2.1%
Electricity Related Losses	0.022	0.023	0.023	0.023	0.023	0.024	0.024	0.025	0.025	0.025	0.025	0.026	0.026	0.027	0.027	0.027	0.028	0.029	0.030	0.031	0.032	1.8%
Total	4.810	4.844	4.944	5.107	5.231	5.363	5.478	5.604	5.744	5.894	6.042	6.194	6.334	6.470	6.593	6.714	6.838	6.961	7.082	7.205	7.315	2.1%
Delivered Energy Consumption, All Sectors																						
Distillate Fuel	1.278	1.313	1.330	1.381	1.425	1.469	1.503	1.541	1.581	1.626	1.670	1.719	1.758	1.795	1.829	1.860	1.892	1.925	1.959	1.992	2.022	2.3%
Kerosene	0.043	0.043	0.042	0.040	0.039	0.038	0.038	0.037	0.037	0.037	0.036	0.036	0.036	0.036	0.036	0.035	0.035	0.035	0.035	0.035	0.035	-0.9%
Jet Fuel 9/	0.388	0.379	0.388	0.400	0.410	0.421	0.431	0.442	0.457	0.472	0.488	0.505	0.520	0.535	0.550	0.565	0.582	0.599	0.616	0.633	0.650	2.6%
Liquefied Petroleum Gas	0.145	0.134	0.138	0.139	0.139	0.139	0.140	0.141	0.142	0.143	0.144	0.145	0.145	0.145	0.145	0.144	0.144	0.144	0.144	0.145	0.146	0.0%
Motor Gasoline 2/	3.215	3.244	3.311	3.417	3.491	3.567	3.633	3.707	3.790	3.877	3.961	4.046	4.130	4.210	4.281	4.351	4.423	4.492	4.560	4.631	4.693	1.9%
Petrochemical Feedstocks	0.144	0.125	0.139	0.143	0.145	0.147	0.149	0.152	0.154	0.156	0.158	0.162	0.164	0.166	0.167	0.168	0.169	0.170	0.171	0.172	0.173	0.9%
Residual Fuel	0.260	0.208	0.200	0.206	0.214	0.222	0.230	0.238	0.246	0.248	0.250	0.253	0.255	0.257	0.259	0.261	0.263	0.265	0.267	0.269	0.271	0.2%
Other Petroleum 12/	0.357	0.360	0.378	0.380	0.383	0.386	0.388	0.391	0.394	0.400	0.407	0.412	0.416	0.422	0.429	0.435	0.439	0.443	0.450	0.457	0.463	1.3%
Petroleum Subtotal	5.829	5.806	5.926	6.106	6.246	6.390	6.512	6.649	6.801	6.958	7.115	7.278	7.424	7.585	7.694	7.820	7.947	8.074	8.203	8.335	8.454	1.9%
Natural Gas 6/	1.677	1.595	1.705	1.759	1.788	1.810	1.840	1.872	1.903	1.934	1.968	2.008	2.044	2.077	2.111	2.146	2.182	2.212	2.246	2.278	2.313	1.6%
Metallurgical Coal	0.071	0.065	0.066	0.065	0.064	0.064	0.063	0.062	0.061	0.060	0.059	0.059	0.057	0.056	0.055	0.054	0.053	0.052	0.051	0.050	0.049	-1.8%
Steam Coal	0.361	0.359	0.349	0.357	0.362	0.364	0.366	0.367	0.365	0.364	0.363	0.365	0.366	0.366	0.362	0.363	0.365	0.367	0.369	0.371	0.374	0.2%
Net Coal Coke Imports	0.006	0.004	0.006	0.007	0.008	0.009	0.010	0.011	0.012	0.013	0.015	0.016	0.017	0.018	0.019	0.020	0.020	0.021	0.022	0.023	0.024	7.1%
Coal Subtotal	0.438	0.428	0.420	0.429	0.434	0.437	0.439	0.440	0.439	0.438	0.437	0.439	0.440	0.439	0.435	0.437	0.439	0.441	0.443	0.445	0.447	0.1%
Renewable Energy 13/	0.527	0.525	0.534	0.544	0.553	0.564	0.573	0.584	0.584	0.591	0.599	0.611	0.621	0.629	0.638	0.645	0.654	0.662	0.670	0.677	0.684	1.3%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	2.385	2.416	2.486	2.574	2.646	2.707	2.767	2.830	2.896	2.956	3.022	3.093	3.166	3.233	3.305	3.378	3.451	3.519	3.591	3.664	3.740	2.3%
Delivered Energy	10.856	10.770	11.072	11.414	11.668	11.909	12.133	12.377	12.624	12.878	13.141	13.431	13.695	13.944	14.184	14.426	14.674	14.908	15.154	15.399	15.638	1.8%
Electricity Related Losses	4.896	4.843	4.894	4.935	4.913	5.017	5.072	5.089	5.075	5.075	5.101	5.109	5.139	5.160	5.178	5.209	5.245	5.307	5.372	5.442	5.514	0.6%
Total	15.752	15.614	15.966	16.349	16.581	16.926	17.205	17.466	17.699	17.953	18.242	18.540	18.834	19.104	19.362	19.634	19.919	20.215	20.526	20.842	21.152	1.5%
Electric Generators 14/																						
Distillate Fuel	0.014	0.013	0.010	0.013	0.013	0.012	0.010	0.010	0.009	0.008	0.008	0.006	0.008	0.007	0.008	0.008	0.009	0.009	0.009	0.009	0.009	-2.0%
Residual Fuel	0.299	0.377	0.135	0.126	0.126	0.122	0.109	0.086	0.080	0.075	0.072	0.073	0.074	0.074	0.075	0.076	0.074	0.074	0.074	0.074	0.077	-6.5%
Petroleum Subtotal	0.313	0.389	0.145	0.139	0.139	0.134	0.119	0.096	0.090	0.084	0.080	0.078	0.083	0.081	0.083	0.084	0.083	0.083	0.083	0.084	0.087	-6.2%
Natural Gas	0.563	0.482	0.687	0.704	0.744	0.769	0.760	0.748	0.786	0.801	0.861	0.912	0.955	0.998	1.039	1.081	1.116	1.150	1.186	1.215	1.230	4.0%
Steam Coal	4.115	4.085	4.243	4.348	4.351	4.496	4.637	4.752	4.768	4.818	4.840	4.862	4.919	4.964	5.013	5.070	5.147	5.238	5.339	5.453	5.577	1.5%
Nuclear Power	2.073	2.108	2.077	2.077	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	0.0%
Renewable Energy 15/	0.217	0.195	0.228	0.241	0.247	0.247	0.246	0.246	0.249	0.250	0.265	0.272	0.269	0.272	0.270	0.274	0.273	0.277	0.277	0.277	0.282	1.3%
Electricity Imports 16/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	7.281	7.259	7.380	7.509	7.559	7.724	7.840	7.920	7.971	8.031	8.123	8.203	8.304	8.392	8.483	8.586	8.696	8.826	8.963	9.106	9.253	1.2%

Table 5. Energy Consumption by Sector and Source (3 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
South Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Total Energy Consumption																						
Distillate Fuel	1.292	1.326	1.340	1.394	1.438	1.481	1.513	1.550	1.590	1.634	1.678	1.724	1.767	1.802	1.837	1.868	1.901	1.935	1.969	2.001	2.032	2.3%
Kerosene	0.043	0.043	0.042	0.040	0.039	0.038	0.038	0.037	0.037	0.037	0.036	0.036	0.036	0.036	0.036	0.035	0.035	0.035	0.035	0.035	0.035	-0.9%
Jet Fuel 9/	0.388	0.379	0.388	0.400	0.410	0.421	0.431	0.442	0.457	0.472	0.488	0.505	0.520	0.535	0.550	0.565	0.582	0.599	0.616	0.633	0.650	2.6%
Liquefied Petroleum Gas	0.145	0.134	0.138	0.139	0.139	0.139	0.140	0.141	0.142	0.143	0.144	0.145	0.145	0.145	0.145	0.144	0.144	0.144	0.144	0.145	0.146	0.0%
Motor Gasoline 2/	3.215	3.244	3.311	3.417	3.491	3.567	3.633	3.707	3.790	3.877	3.961	4.046	4.130	4.210	4.281	4.351	4.423	4.492	4.560	4.631	4.693	1.9%
Petrochemical Feedstocks	0.144	0.125	0.139	0.143	0.145	0.147	0.149	0.152	0.154	0.156	0.158	0.162	0.164	0.166	0.167	0.168	0.169	0.170	0.171	0.172	0.173	0.9%
Residual Fuel	0.559	0.585	0.335	0.332	0.341	0.344	0.338	0.324	0.326	0.323	0.322	0.326	0.329	0.331	0.334	0.337	0.337	0.339	0.341	0.343	0.348	-2.3%
Other Petroleum 12/	0.357	0.360	0.378	0.380	0.383	0.386	0.388	0.391	0.394	0.400	0.407	0.412	0.416	0.422	0.429	0.435	0.439	0.443	0.450	0.457	0.463	1.3%
Petroleum Subtotal	6.142	6.195	6.071	6.245	6.386	6.524	6.631	6.745	6.890	7.042	7.195	7.356	7.507	7.645	7.778	7.904	8.030	8.156	8.287	8.418	8.541	1.7%
Natural Gas	2.240	2.077	2.392	2.463	2.533	2.579	2.600	2.621	2.689	2.735	2.829	2.921	3.000	3.075	3.149	3.227	3.298	3.363	3.432	3.493	3.543	2.3%
Metallurgical Coal	0.071	0.065	0.066	0.065	0.064	0.064	0.063	0.062	0.061	0.060	0.059	0.058	0.057	0.056	0.055	0.054	0.053	0.052	0.051	0.050	0.049	-1.8%
Steam Coal	4.476	4.445	4.593	4.705	4.712	4.861	5.003	5.119	5.133	5.182	5.203	5.228	5.285	5.330	5.375	5.433	5.512	5.605	5.708	5.824	5.950	1.4%
Net Coal Coke Imports	0.006	0.004	0.006	0.007	0.008	0.009	0.010	0.011	0.012	0.013	0.015	0.016	0.017	0.018	0.019	0.020	0.020	0.021	0.022	0.023	0.024	7.1%
Coal Subtotal	4.553	4.514	4.664	4.777	4.785	4.933	5.076	5.192	5.207	5.256	5.277	5.302	5.359	5.403	5.449	5.506	5.586	5.678	5.782	5.897	6.024	1.4%
Nuclear Power	2.073	2.108	2.077	2.077	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	2.078	0.0%
Renewable Energy 17/	0.743	0.720	0.762	0.785	0.800	0.811	0.819	0.829	0.833	0.841	0.863	0.883	0.890	0.901	0.908	0.919	0.927	0.939	0.947	0.954	0.966	1.3%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity Imports 16/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	15.752	15.614	15.966	16.349	16.581	16.926	17.205	17.466	17.699	17.953	18.242	18.540	18.834	19.104	19.362	19.634	19.919	20.215	20.526	20.842	21.152	1.5%
Energy Use & Related Statistics																						
Delivered Energy Use	10.856	10.770	11.072	11.414	11.668	11.909	12.133	12.377	12.624	12.878	13.141	13.431	13.695	13.944	14.184	14.426	14.674	14.908	15.154	15.399	15.638	1.8%
Total Energy Use	15.752	15.614	15.966	16.349	16.581	16.926	17.205	17.466	17.699	17.953	18.242	18.540	18.834	19.104	19.362	19.634	19.919	20.215	20.526	20.842	21.152	1.5%
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	60.265	60.975	61.688	62.402	63.117	63.833	1.2%
US GDP (billion 1996 dollars)	9224	9319	9523	9826	10103	10418	10719	11046	11442	11867	12312	12777	13166	13560	13973	14399	14835	15287	15717	16138	16525	3.0%
Carbon Dioxide Emissions																						
(million metric tons carbon equivalent)	1561.7	1560.8	1583.9	1631.3	1662.2	1693.5	1724.4	1755.8	1780.9	1806.5	1834.7	1865.1	1892.0	1917.9	1941.0	1965.4	1990.6	2015.6	2039.3	2064.3	2087.8	1.5%

1/ Includes wood used for residential heating.

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 cogeneration.

5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.

6/ Includes lease and plant fuel and consumption by cogenerators; excludes consumption by nonutility generators.

7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass; includes cogeneration, both for sale to the grid and for own use.

8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.

9/ Includes only kerosene type.

10/ Includes aviation gas 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 all electric power generators for grid-connected power except cogenerators, which produce electricity and other useful thermal energy. 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 cogeneration. Excludes net electricity imports.

16/ In 1999 approximately 70 percent of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions for the fuel source of imported electricity.

17/ 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 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 electric utility fuel consumption: EIA, Electric Power Annual 1999, Volume I, DOE/EIA-0348(99)/1 (Washington, DC, August 2000). 2000 nonutility consumption estimates: EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility." Other 2000 values: EIA, Short-Term Energy Outlook, October 2001, http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/oct01.pdf. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 6. Energy Consumption by Sector and Source (1 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
East South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Energy Consumption																						
Residential																						
Distillate Fuel	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	-1.7%
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	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	-0.8%
Liquefied Petroleum Gas	0.040	0.037	0.038	0.038	0.039	0.039	0.040	0.040	0.041	0.041	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.042	0.3%
Petroleum Subtotal	0.050	0.048	0.048	0.048	0.048	0.049	0.049	0.049	0.050	0.050	0.051	0.051	0.051	0.051	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.0%
Natural Gas	0.220	0.222	0.228	0.233	0.236	0.237	0.239	0.242	0.245	0.247	0.250	0.253	0.257	0.259	0.263	0.266	0.270	0.272	0.275	0.279	0.283	1.3%
Coal	0.004	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.5%
Renewable Energy 1/	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	0.024	0.024	0.024	0.025	0.025	0.025	0.025	0.025	0.2%
Electricity	0.359	0.366	0.374	0.384	0.390	0.394	0.398	0.401	0.406	0.409	0.413	0.417	0.423	0.427	0.433	0.438	0.444	0.448	0.452	0.458	0.464	1.3%
Delivered Energy	0.656	0.663	0.676	0.692	0.702	0.707	0.714	0.720	0.729	0.735	0.742	0.750	0.760	0.766	0.774	0.783	0.792	0.798	0.806	0.815	0.827	1.2%
Electricity Related Losses	0.854	0.862	0.890	0.912	0.930	0.937	0.964	1.004	1.026	1.055	1.069	1.080	1.099	1.116	1.131	1.154	1.170	1.177	1.180	1.187	1.194	1.7%
Total	1.510	1.525	1.566	1.604	1.632	1.644	1.677	1.724	1.755	1.789	1.811	1.830	1.859	1.881	1.905	1.936	1.963	1.975	1.986	2.002	2.020	1.5%
Commercial																						
Distillate Fuel	0.009	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.011	0.011	0.012	0.012	0.012	0.011	0.011	0.011	0.011	0.011	0.011	0.011	1.4%
Residual Fuel	0.002	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	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.8%
Kerosene	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	1.6%
Liquefied Petroleum Gas	0.011	0.011	0.011	0.011	0.011	0.011	0.012	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.014	1.2%
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	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-0.5%
Petroleum Subtotal	0.026	0.026	0.027	0.027	0.028	0.028	0.029	0.029	0.030	0.030	0.031	0.031	0.031	0.032	0.032	0.032	0.032	0.032	0.033	0.033	0.033	1.2%
Natural Gas	0.207	0.209	0.214	0.221	0.225	0.227	0.230	0.234	0.238	0.241	0.245	0.248	0.252	0.255	0.259	0.262	0.266	0.269	0.272	0.275	0.278	1.5%
Coal	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	1.0%
Renewable Energy 3/	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.0%
Electricity	0.301	0.303	0.311	0.321	0.330	0.338	0.347	0.356	0.365	0.375	0.384	0.393	0.403	0.413	0.423	0.433	0.442	0.451	0.459	0.467	0.475	2.3%
Delivered Energy	0.541	0.546	0.559	0.577	0.590	0.601	0.614	0.627	0.640	0.654	0.667	0.680	0.694	0.708	0.722	0.735	0.748	0.760	0.772	0.783	0.794	1.9%
Electricity Related Losses	0.714	0.714	0.742	0.764	0.786	0.804	0.842	0.892	0.923	0.966	0.993	1.018	1.047	1.079	1.107	1.140	1.165	1.185	1.197	1.212	1.222	2.7%
Total	1.255	1.259	1.301	1.340	1.376	1.406	1.456	1.519	1.564	1.620	1.660	1.698	1.741	1.787	1.828	1.875	1.913	1.945	1.969	1.995	2.016	2.4%
Industrial 4/																						
Distillate Fuel	0.086	0.085	0.084	0.087	0.088	0.090	0.090	0.090	0.091	0.093	0.094	0.096	0.097	0.098	0.099	0.100	0.101	0.102	0.104	0.105	0.107	1.1%
Liquefied Petroleum Gas	0.040	0.038	0.040	0.041	0.041	0.042	0.042	0.042	0.043	0.043	0.044	0.045	0.046	0.046	0.048	0.047	0.047	0.047	0.049	0.052	0.053	1.4%
Petrochemical Feedstocks	0.106	0.092	0.102	0.105	0.107	0.108	0.110	0.111	0.113	0.115	0.116	0.119	0.120	0.122	0.123	0.123	0.124	0.125	0.126	0.126	0.127	0.9%
Residual Fuel	0.006	0.004	0.004	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	-1.0%
Motor Gasoline 2/	0.019	0.019	0.019	0.019	0.020	0.020	0.020	0.020	0.020	0.021	0.021	0.021	0.022	0.022	0.022	0.023	0.023	0.023	0.024	0.024	0.024	1.3%
Other Petroleum 5/	0.292	0.295	0.306	0.306	0.309	0.315	0.319	0.328	0.330	0.336	0.344	0.350	0.351	0.355	0.359	0.363	0.365	0.367	0.371	0.376	0.380	1.3%
Petroleum Subtotal	0.548	0.532	0.554	0.560	0.568	0.578	0.584	0.595	0.602	0.612	0.623	0.635	0.640	0.647	0.655	0.660	0.665	0.669	0.678	0.688	0.696	1.2%
Natural Gas 6/	0.607	0.533	0.592	0.608	0.612	0.618	0.628	0.637	0.642	0.649	0.656	0.667	0.675	0.681	0.687	0.695	0.701	0.706	0.709	0.709	0.713	0.8%
Metallurgical Coal	0.099	0.090	0.091	0.090	0.089	0.088	0.087	0.086	0.085	0.084	0.082	0.081	0.079	0.078	0.076	0.075	0.074	0.072	0.071	0.070	0.068	-1.8%
Steam Coal	0.226	0.225	0.219	0.224	0.226	0.228	0.229	0.229	0.228	0.227	0.226	0.228	0.228	0.228	0.225	0.226	0.227	0.228	0.230	0.231	0.232	0.1%
Net Coal Coke Imports	0.008	0.006	0.008	0.010	0.011	0.013	0.014	0.016	0.017	0.019	0.020	0.022	0.023	0.025	0.026	0.027	0.028	0.030	0.031	0.032	0.033	7.1%
Coal Subtotal	0.333	0.321	0.318	0.324	0.327	0.329	0.330	0.332	0.331	0.330	0.329	0.331	0.331	0.330	0.328	0.328	0.329	0.330	0.332	0.333	0.334	0.0%
Renewable Energy 7/	0.248	0.248	0.254	0.261	0.266	0.273	0.278	0.284	0.285	0.289	0.294	0.301	0.307	0.313	0.318	0.323	0.329	0.335	0.341	0.345	0.350	1.7%
Electricity	0.422	0.401	0.405	0.416	0.425	0.434	0.442	0.452	0.460	0.468	0.478	0.490	0.498	0.507	0.514	0.521	0.528	0.536	0.544	0.551	0.558	1.4%
Delivered Energy	2.158	2.036	2.122	2.169	2.198	2.231	2.263	2.300	2.319	2.348	2.381	2.424	2.451	2.478	2.502	2.529	2.554	2.577	2.603	2.627	2.650	1.0%
Electricity Related Losses	1.004	0.945	0.964	0.989	1.012	1.031	1.071	1.132	1.162	1.208	1.238	1.268	1.294	1.323	1.345	1.373	1.393	1.409	1.419	1.429	1.434	1.8%
Total	3.161	2.981	3.086	3.159	3.210	3.262	3.334	3.432	3.481	3.556	3.618	3.692	3.746	3.801	3.847	3.901	3.947	3.985	4.022	4.056	4.084	1.3%

Table 6. Energy Consumption by Sector and Source (2 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
East South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Transportation																						
Distillate Fuel 8/	0.477	0.493	0.503	0.520	0.536	0.552	0.563	0.576	0.589	0.604	0.620	0.636	0.648	0.660	0.670	0.679	0.688	0.698	0.707	0.716	0.723	2.1%
Jet Fuel 9/	0.178	0.174	0.178	0.183	0.187	0.191	0.194	0.198	0.204	0.210	0.216	0.222	0.228	0.233	0.239	0.244	0.251	0.257	0.264	0.270	0.276	2.2%
Motor Gasoline 2/	1.129	1.139	1.163	1.197	1.218	1.238	1.254	1.273	1.294	1.315	1.335	1.355	1.375	1.392	1.406	1.420	1.434	1.447	1.460	1.473	1.483	1.4%
Residual Fuel	0.019	0.017	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	-0.5%
Liquefied Petroleum Gas	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	4.1%
Other Petroleum 10/	0.016	0.017	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.018	0.019	0.019	0.019	0.019	0.019	0.020	0.020	0.020	0.020	0.020	1.4%
Petroleum Subtotal	1.820	1.842	1.880	1.937	1.978	2.018	2.049	2.084	2.124	2.167	2.209	2.252	2.289	2.324	2.354	2.383	2.413	2.443	2.471	2.499	2.523	1.6%
Pipeline Fuel Natural Gas	0.137	0.118	0.121	0.123	0.124	0.125	0.127	0.130	0.134	0.137	0.140	0.144	0.147	0.150	0.154	0.157	0.161	0.164	0.166	0.168	0.169	1.0%
Compressed Natural Gas	0.001	0.002	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.006	0.007	0.007	0.008	0.008	0.009	0.009	0.010	0.010	0.010	0.011	0.011	10.8%
Renewable Energy (E85) 11/	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	4.8%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	0.004	0.004	0.004	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	0.006	0.006	0.006	0.006	0.006	2.8%
Delivered Energy	1.964	1.967	2.009	2.069	2.111	2.152	2.186	2.226	2.270	2.317	2.363	2.411	2.451	2.490	2.524	2.558	2.592	2.625	2.656	2.687	2.712	1.6%
Electricity Related Losses	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.011	0.011	0.012	0.012	0.012	0.013	0.013	0.014	0.014	0.015	0.015	0.015	0.016	0.016	3.2%
Total	1.972	1.976	2.018	2.078	2.121	2.162	2.196	2.237	2.281	2.329	2.375	2.423	2.464	2.503	2.538	2.572	2.606	2.640	2.671	2.702	2.728	1.6%
Delivered Energy Consumption, All Sectors																						
Distillate Fuel	0.576	0.592	0.601	0.622	0.639	0.657	0.668	0.681	0.696	0.712	0.729	0.747	0.761	0.773	0.784	0.794	0.804	0.815	0.826	0.836	0.845	1.9%
Kerosene	0.011	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.2%
Jet Fuel 9/	0.178	0.174	0.178	0.183	0.187	0.191	0.194	0.198	0.204	0.210	0.216	0.222	0.228	0.233	0.239	0.244	0.251	0.257	0.264	0.270	0.276	2.2%
Liquefied Petroleum Gas	0.093	0.087	0.090	0.091	0.093	0.094	0.095	0.096	0.098	0.099	0.101	0.102	0.103	0.104	0.105	0.105	0.106	0.106	0.108	0.111	0.113	1.0%
Motor Gasoline 2/	1.149	1.159	1.183	1.218	1.239	1.259	1.275	1.293	1.315	1.337	1.357	1.377	1.397	1.415	1.429	1.443	1.458	1.471	1.484	1.498	1.508	1.4%
Petrochemical Feedstocks	0.106	0.092	0.102	0.105	0.107	0.108	0.110	0.111	0.113	0.115	0.116	0.119	0.120	0.122	0.123	0.123	0.124	0.125	0.126	0.126	0.127	0.9%
Residual Fuel	0.026	0.023	0.023	0.022	0.022	0.022	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.024	0.024	0.024	0.024	0.024	0.024	-0.5%
Other Petroleum 12/	0.305	0.309	0.320	0.321	0.324	0.330	0.334	0.343	0.346	0.352	0.360	0.366	0.367	0.371	0.376	0.380	0.382	0.384	0.389	0.393	0.397	1.3%
Petroleum Subtotal	2.444	2.448	2.509	2.573	2.622	2.672	2.710	2.758	2.806	2.859	2.913	2.969	3.011	3.053	3.091	3.125	3.160	3.194	3.231	3.270	3.302	1.5%
Natural Gas 6/	1.172	1.084	1.157	1.189	1.202	1.211	1.229	1.248	1.264	1.281	1.298	1.320	1.339	1.354	1.371	1.390	1.407	1.420	1.433	1.441	1.453	1.1%
Metallurgical Coal	0.099	0.090	0.091	0.090	0.089	0.088	0.087	0.086	0.085	0.084	0.082	0.081	0.079	0.078	0.076	0.075	0.074	0.072	0.071	0.070	0.068	-1.8%
Steam Coal	0.232	0.231	0.225	0.230	0.233	0.235	0.236	0.236	0.235	0.235	0.234	0.235	0.236	0.236	0.233	0.234	0.235	0.236	0.238	0.239	0.240	0.2%
Net Coal Coke Imports	0.008	0.006	0.008	0.010	0.011	0.013	0.014	0.016	0.017	0.019	0.020	0.022	0.023	0.025	0.026	0.027	0.028	0.030	0.031	0.032	0.033	7.1%
Coal Subtotal	0.339	0.327	0.324	0.331	0.334	0.336	0.337	0.339	0.338	0.337	0.336	0.338	0.338	0.338	0.335	0.336	0.337	0.338	0.340	0.341	0.342	0.0%
Renewable Energy 13/	0.277	0.277	0.283	0.290	0.296	0.303	0.308	0.314	0.315	0.319	0.324	0.332	0.338	0.343	0.349	0.355	0.361	0.367	0.372	0.377	0.382	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	1.086	1.074	1.093	1.125	1.149	1.170	1.191	1.214	1.236	1.256	1.280	1.306	1.330	1.352	1.375	1.398	1.420	1.440	1.461	1.482	1.504	1.6%
Delivered Energy	5.318	5.211	5.367	5.507	5.602	5.692	5.776	5.873	5.958	6.053	6.152	6.265	6.356	6.441	6.521	6.604	6.686	6.760	6.837	6.912	6.983	1.4%
Electricity Related Losses	2.581	2.530	2.605	2.674	2.737	2.782	2.887	3.038	3.123	3.240	3.312	3.378	3.454	3.531	3.597	3.680	3.742	3.786	3.812	3.844	3.866	2.0%
Total	7.899	7.741	7.971	8.181	8.339	8.474	8.663	8.911	9.081	9.293	9.464	9.644	9.810	9.972	10.118	10.284	10.428	10.546	10.649	10.756	10.849	1.6%
Electric Generators 14/																						
Distillate Fuel	0.006	0.004	0.004	0.006	0.005	0.004	0.003	0.003	0.002	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	-2.7%
Residual Fuel	0.035	0.032	0.023	0.031	0.029	0.027	0.022	0.015	0.014	0.012	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.012	-5.0%
Petroleum Subtotal	0.040	0.037	0.027	0.036	0.034	0.031	0.026	0.018	0.017	0.014	0.015	0.014	0.015	0.016	0.016	0.017	0.017	0.017	0.017	0.017	0.016	-4.6%
Natural Gas	0.199	0.179	0.240	0.254	0.297	0.322	0.392	0.534	0.639	0.776	0.871	0.963	1.060	1.154	1.279	1.383	1.468	1.530	1.612	1.666	1.711	11.4%
Steam Coal	2.520	2.506	2.507	2.573	2.617	2.660	2.723	2.762	2.765	2.768	2.751	2.755	2.753	2.767	2.729	2.729	2.745	2.746	2.710	2.710	2.711	0.4%
Nuclear Power	0.702	0.710	0.705	0.706	0.706	0.706	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.0%
Renewable Energy 15/	0.206	0.172	0.219	0.230	0.232	0.233	0.231	0.231	0.232	0.231	0.248	0.245	0.249	0.239	0.241	0.242	0.226	0.226	0.226	0.226	0.226	0.5%
Electricity Imports 16/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	3.667	3.604	3.698	3.799	3.886	3.952	4.078	4.252	4.359	4.497	4.592	4.684	4.784	4.883	4.972	5.078	5.163	5.226	5.273	5.326	5.370	1.9%

Table 6. Energy Consumption by Sector and Source (3 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
East South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Total Energy Consumption																						
Distillate Fuel	0.581	0.597	0.605	0.628	0.644	0.661	0.671	0.684	0.698	0.715	0.731	0.749	0.763	0.775	0.786	0.796	0.808	0.818	0.829	0.839	0.848	1.9%
Kerosene	0.011	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.2%
Jet Fuel 9/	0.178	0.174	0.178	0.183	0.187	0.191	0.194	0.198	0.204	0.210	0.216	0.222	0.228	0.233	0.239	0.244	0.251	0.257	0.264	0.270	0.276	2.2%
Liquefied Petroleum Gas	0.093	0.087	0.090	0.091	0.093	0.094	0.095	0.096	0.098	0.099	0.101	0.102	0.103	0.104	0.105	0.105	0.106	0.106	0.108	0.111	0.113	1.0%
Motor Gasoline 2/	1.149	1.159	1.183	1.218	1.239	1.259	1.275	1.293	1.315	1.337	1.357	1.377	1.397	1.415	1.429	1.443	1.458	1.471	1.484	1.498	1.508	1.4%
Petrochemical Feedstocks	0.106	0.092	0.102	0.105	0.107	0.108	0.110	0.111	0.113	0.115	0.116	0.119	0.120	0.122	0.123	0.123	0.124	0.125	0.126	0.126	0.127	0.9%
Residual Fuel	0.061	0.055	0.046	0.052	0.051	0.049	0.045	0.038	0.038	0.035	0.036	0.036	0.037	0.037	0.037	0.038	0.037	0.037	0.038	0.037	0.036	-2.6%
Other Petroleum 12/	0.305	0.309	0.320	0.321	0.324	0.330	0.334	0.343	0.346	0.352	0.360	0.366	0.367	0.371	0.376	0.380	0.382	0.384	0.389	0.393	0.397	1.3%
Petroleum Subtotal	2.484	2.484	2.536	2.609	2.656	2.703	2.736	2.777	2.822	2.873	2.928	2.983	3.027	3.069	3.108	3.142	3.177	3.211	3.248	3.287	3.317	1.5%
Natural Gas	1.371	1.263	1.397	1.443	1.498	1.532	1.621	1.782	1.903	2.057	2.169	2.283	2.398	2.508	2.649	2.773	2.875	2.951	3.045	3.108	3.164	4.3%
Metallurgical Coal	0.099	0.090	0.091	0.090	0.089	0.088	0.087	0.086	0.085	0.084	0.082	0.081	0.079	0.078	0.076	0.075	0.074	0.072	0.071	0.070	0.068	-1.8%
Steam Coal	2.752	2.738	2.732	2.803	2.850	2.895	2.958	2.999	3.000	3.003	2.985	2.991	2.989	3.002	2.962	2.962	2.980	2.982	2.948	2.949	2.951	0.3%
Net Coal Coke Imports	0.008	0.006	0.008	0.010	0.011	0.013	0.014	0.016	0.017	0.019	0.020	0.022	0.023	0.025	0.026	0.027	0.028	0.030	0.031	0.032	0.033	7.1%
Coal Subtotal	2.860	2.834	2.831	2.904	2.951	2.996	3.060	3.101	3.103	3.105	3.088	3.094	3.092	3.105	3.064	3.064	3.082	3.084	3.050	3.051	3.052	0.3%
Nuclear Power	0.702	0.710	0.705	0.706	0.706	0.706	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.0%
Renewable Energy 17/	0.483	0.449	0.502	0.520	0.528	0.535	0.539	0.545	0.547	0.551	0.572	0.577	0.586	0.583	0.590	0.597	0.587	0.593	0.598	0.603	0.608	1.2%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity Imports 16/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	7.899	7.741	7.971	8.181	8.339	8.474	8.663	8.911	9.081	9.293	9.464	9.644	9.810	9.972	10.118	10.284	10.428	10.546	10.649	10.756	10.849	1.6%
Energy Use & Related Statistics																						
Delivered Energy Use	5.318	5.211	5.367	5.507	5.602	5.692	5.776	5.873	5.958	6.053	6.152	6.265	6.356	6.441	6.521	6.604	6.686	6.760	6.837	6.912	6.983	1.4%
Total Energy Use	7.899	7.741	7.971	8.181	8.339	8.474	8.663	8.911	9.081	9.293	9.464	9.644	9.810	9.972	10.118	10.284	10.428	10.546	10.649	10.756	10.849	1.6%
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	17.995	18.082	18.168	18.255	18.341	18.428	18.514	18.600	0.5%
US GDP (billion 1996 dollars)	9224	9319	9523	9826	10103	10418	10719	11046	11442	11867	12312	12777	13166	13560	13973	14399	14835	15287	15717	16138	16525	3.0%
Carbon Dioxide Emissions																						
(million metric tons carbon equivalent)	1561.7	1560.8	1583.9	1631.3	1662.2	1693.5	1724.4	1755.8	1780.9	1806.5	1834.7	1865.1	1892.0	1917.9	1941.0	1965.4	1990.6	2015.6	2039.3	2064.3	2087.8	1.5%

1/ Includes wood used for residential heating.

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 cogeneration.

5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.

6/ Includes lease and plant fuel and consumption by cogenerators; excludes consumption by nonutility generators.

7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass; includes cogeneration, both for sale to the grid and for own use.

8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.

9/ Includes only kerosene type.

10/ Includes aviation gas 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 all electric power generators for grid-connected power except cogenerators, which produce electricity and other useful thermal energy. 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 cogeneration. Excludes net electricity imports.

16/ In 1999 approximately 70 percent of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions for the fuel source of imported electricity.

17/ 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 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 electric utility fuel consumption: EIA, Electric Power Annual 1999, Volume I, DOE/EIA-0348(99)/1 (Washington, DC, August 2000). 2000 nonutility consumption estimates: EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility." Other 2000 values: EIA, Short-Term Energy Outlook, October 2001, http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/oct01.pdf. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 7. Energy Consumption by Sector and Source (1 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
West South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Energy Consumption																						
Residential																						
Distillate Fuel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.8%
Liquefied Petroleum Gas	0.025	0.024	0.024	0.024	0.024	0.024	0.024	0.023	0.024	0.023	0.023	0.023	0.023	0.023	0.022	0.022	0.022	0.021	0.021	0.021	0.021	-0.9%
Petroleum Subtotal	0.026	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.024	0.024	0.024	0.023	0.023	0.023	0.023	0.022	0.022	0.022	-0.8%
Natural Gas	0.415	0.430	0.438	0.449	0.455	0.455	0.458	0.463	0.468	0.471	0.475	0.480	0.485	0.488	0.493	0.497	0.503	0.506	0.511	0.517	0.524	1.2%
Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.6%
Renewable Energy 1/	0.019	0.020	0.019	0.019	0.019	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.022	0.022	0.8%
Electricity	0.608	0.622	0.637	0.658	0.674	0.684	0.693	0.701	0.712	0.720	0.733	0.745	0.759	0.769	0.782	0.796	0.811	0.822	0.835	0.850	0.866	1.8%
Delivered Energy	1.069	1.098	1.120	1.153	1.174	1.184	1.197	1.209	1.226	1.237	1.254	1.271	1.290	1.303	1.320	1.339	1.359	1.373	1.392	1.411	1.435	1.5%
Electricity Related Losses	1.127	1.194	1.238	1.261	1.253	1.244	1.225	1.171	1.154	1.140	1.143	1.153	1.164	1.175	1.180	1.190	1.199	1.201	1.209	1.214	1.222	0.4%
Total	2.197	2.291	2.358	2.414	2.426	2.428	2.422	2.380	2.379	2.377	2.397	2.424	2.454	2.478	2.500	2.528	2.558	2.575	2.601	2.625	2.657	1.0%
Commercial																						
Distillate Fuel	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.009	0.009	0.009	0.009	0.009	0.009	0.009	1.0%
Residual Fuel	0.005	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	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.5%
Kerosene	0.007	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	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.9%
Liquefied Petroleum Gas	0.008	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	1.3%
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	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-0.5%
Petroleum Subtotal	0.029	0.031	0.031	0.032	0.033	0.033	0.034	0.034	0.034	0.034	0.034	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.035	0.9%
Natural Gas	0.319	0.331	0.339	0.353	0.361	0.365	0.370	0.375	0.380	0.385	0.390	0.395	0.398	0.402	0.405	0.408	0.410	0.412	0.415	0.417	0.421	1.4%
Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.0%
Electricity	0.493	0.492	0.502	0.520	0.536	0.550	0.564	0.579	0.594	0.609	0.626	0.641	0.655	0.667	0.678	0.688	0.696	0.703	0.709	0.715	0.722	1.9%
Delivered Energy	0.844	0.857	0.875	0.908	0.933	0.950	0.970	0.990	1.011	1.032	1.053	1.074	1.091	1.107	1.121	1.134	1.144	1.154	1.162	1.171	1.181	1.7%
Electricity Related Losses	0.914	0.945	0.976	0.996	0.997	1.000	0.996	0.966	0.962	0.964	0.976	0.993	1.005	1.019	1.023	1.028	1.029	1.028	1.027	1.022	1.019	0.5%
Total	1.758	1.802	1.852	1.904	1.930	1.950	1.966	1.957	1.973	1.996	2.030	2.067	2.096	2.126	2.145	2.161	2.173	2.181	2.189	2.194	2.200	1.1%
Industrial 4/																						
Distillate Fuel	0.223	0.221	0.219	0.225	0.230	0.233	0.234	0.235	0.238	0.241	0.245	0.249	0.253	0.256	0.259	0.261	0.264	0.266	0.271	0.274	0.278	1.1%
Liquefied Petroleum Gas	1.948	1.811	1.934	1.978	2.005	2.028	2.043	2.066	2.085	2.118	2.141	2.194	2.223	2.247	2.275	2.279	2.295	2.305	2.337	2.378	2.407	1.1%
Petrochemical Feedstocks	0.610	0.531	0.588	0.605	0.615	0.624	0.632	0.643	0.652	0.662	0.669	0.685	0.695	0.702	0.708	0.712	0.717	0.719	0.724	0.729	0.735	0.9%
Residual Fuel	0.016	0.011	0.009	0.009	0.009	0.010	0.011	0.012	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	-0.4%
Motor Gasoline 2/	0.031	0.032	0.032	0.033	0.033	0.034	0.034	0.034	0.034	0.035	0.035	0.036	0.036	0.037	0.037	0.038	0.039	0.039	0.040	0.040	0.041	1.3%
Other Petroleum 5/	1.123	1.124	1.160	1.200	1.219	1.261	1.299	1.375	1.394	1.425	1.475	1.515	1.510	1.517	1.528	1.531	1.538	1.542	1.547	1.558	1.566	1.7%
Petroleum Subtotal	3.951	3.730	3.942	4.050	4.112	4.191	4.253	4.365	4.416	4.493	4.578	4.693	4.731	4.773	4.820	4.834	4.866	4.886	4.933	4.995	5.042	1.2%
Natural Gas 6/	3.740	3.445	3.766	3.837	3.874	3.919	4.003	4.062	4.102	4.159	4.214	4.277	4.325	4.358	4.384	4.443	4.479	4.504	4.511	4.491	4.501	0.9%
Metallurgical Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Steam Coal	0.114	0.113	0.110	0.113	0.114	0.115	0.115	0.115	0.115	0.114	0.114	0.115	0.115	0.115	0.113	0.114	0.114	0.115	0.116	0.116	0.117	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal Subtotal	0.114	0.113	0.110	0.113	0.114	0.115	0.115	0.115	0.115	0.114	0.114	0.115	0.115	0.115	0.113	0.114	0.114	0.115	0.116	0.116	0.117	0.1%
Renewable Energy 7/	0.244	0.246	0.252	0.259	0.265	0.272	0.279	0.286	0.287	0.292	0.298	0.307	0.314	0.321	0.328	0.334	0.341	0.348	0.355	0.361	0.367	2.1%
Electricity	0.560	0.535	0.539	0.563	0.577	0.591	0.607	0.628	0.635	0.647	0.665	0.683	0.694	0.703	0.714	0.724	0.732	0.741	0.751	0.760	0.768	1.6%
Delivered Energy	8.609	8.068	8.610	8.821	8.941	9.087	9.257	9.456	9.554	9.705	9.869	10.074	10.179	10.270	10.359	10.449	10.534	10.594	10.665	10.723	10.794	1.1%
Electricity Related Losses	1.038	1.027	1.049	1.078	1.073	1.075	1.073	1.049	1.030	1.023	1.038	1.058	1.065	1.075	1.077	1.082	1.083	1.083	1.087	1.086	1.084	0.2%
Total	9.647	9.095	9.659	9.899	10.014	10.163	10.330	10.506	10.584	10.728	10.907	11.132	11.244	11.345	11.436	11.531	11.617	11.677	11.752	11.809	11.879	1.0%

Table 7. Energy Consumption by Sector and Source (2 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
West South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Transportation																						
Distillate Fuel 8/	0.864	0.893	0.911	0.949	0.982	1.018	1.044	1.074	1.105	1.140	1.175	1.213	1.242	1.271	1.295	1.318	1.341	1.364	1.386	1.408	1.426	2.5%
Jet Fuel 9/	0.880	0.859	0.880	0.910	0.934	0.961	0.986	1.011	1.045	1.083	1.121	1.162	1.198	1.234	1.270	1.306	1.346	1.386	1.426	1.466	1.504	2.7%
Motor Gasoline 2/	1.927	1.944	1.985	2.050	2.095	2.141	2.181	2.226	2.275	2.327	2.377	2.427	2.475	2.520	2.560	2.598	2.638	2.676	2.714	2.752	2.785	1.9%
Residual Fuel	0.406	0.369	0.379	0.380	0.381	0.383	0.384	0.385	0.387	0.388	0.390	0.391	0.393	0.395	0.397	0.398	0.400	0.401	0.402	0.404	0.405	0.0%
Liquefied Petroleum Gas	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	4.6%
Other Petroleum 10/	0.036	0.038	0.039	0.039	0.039	0.040	0.040	0.041	0.041	0.042	0.043	0.043	0.044	0.044	0.045	0.045	0.046	0.046	0.047	0.047	0.048	1.5%
Petroleum Subtotal	4.115	4.106	4.196	4.331	4.436	4.545	4.639	4.741	4.857	4.984	5.109	5.240	5.357	5.468	5.571	5.671	5.775	5.879	5.980	6.082	6.174	2.0%
Pipeline Fuel Natural Gas	0.163	0.183	0.189	0.195	0.198	0.200	0.204	0.207	0.211	0.214	0.219	0.225	0.229	0.233	0.237	0.241	0.245	0.247	0.250	0.250	0.251	2.2%
Compressed Natural Gas	0.002	0.003	0.004	0.005	0.006	0.006	0.007	0.008	0.009	0.010	0.011	0.011	0.012	0.013	0.014	0.014	0.015	0.016	0.016	0.017	0.017	10.3%
Renewable Energy (E85) 11/	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	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	5.4%
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	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	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.011	0.011	0.011	0.012	0.012	0.013	3.3%
Delivered Energy	4.289	4.302	4.399	4.541	4.650	4.763	4.861	4.968	5.090	5.221	5.352	5.491	5.613	5.729	5.837	5.943	6.052	6.159	6.263	6.368	6.461	2.1%
Electricity Related Losses	0.012	0.013	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.015	0.015	0.015	0.016	0.016	0.016	0.017	0.017	0.018	0.018	1.9%
Total	4.301	4.315	4.413	4.555	4.665	4.777	4.875	4.982	5.104	5.235	5.367	5.505	5.628	5.745	5.853	5.959	6.068	6.176	6.281	6.385	6.479	2.1%
Delivered Energy Consumption, All Sectors																						
Distillate Fuel	1.095	1.123	1.139	1.183	1.222	1.260	1.287	1.318	1.352	1.391	1.430	1.472	1.505	1.536	1.563	1.588	1.614	1.640	1.666	1.691	1.714	2.3%
Kerosene	0.010	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	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.8%
Jet Fuel 9/	0.880	0.859	0.880	0.910	0.934	0.961	0.986	1.011	1.045	1.083	1.121	1.162	1.198	1.234	1.270	1.306	1.346	1.386	1.426	1.466	1.504	2.7%
Liquefied Petroleum Gas	1.983	1.847	1.970	2.014	2.041	2.065	2.080	2.103	2.122	2.156	2.179	2.232	2.261	2.285	2.313	2.316	2.333	2.343	2.375	2.416	2.445	1.1%
Motor Gasoline 2/	1.960	1.977	2.018	2.084	2.130	2.176	2.216	2.261	2.311	2.363	2.413	2.463	2.512	2.558	2.598	2.638	2.678	2.717	2.755	2.794	2.827	1.8%
Petrochemical Feedstocks	0.610	0.531	0.588	0.605	0.615	0.624	0.632	0.643	0.652	0.662	0.669	0.685	0.695	0.702	0.708	0.712	0.717	0.719	0.724	0.729	0.735	0.9%
Residual Fuel	0.427	0.384	0.392	0.393	0.395	0.397	0.400	0.402	0.404	0.406	0.408	0.410	0.412	0.414	0.415	0.417	0.419	0.420	0.422	0.423	0.425	0.0%
Other Petroleum 12/	1.157	1.159	1.197	1.237	1.257	1.299	1.337	1.414	1.434	1.465	1.515	1.557	1.552	1.560	1.571	1.575	1.582	1.586	1.592	1.604	1.612	1.7%
Petroleum Subtotal	8.121	7.892	8.195	8.438	8.605	8.794	8.950	9.164	9.332	9.536	9.746	9.992	10.147	10.300	10.450	10.564	10.700	10.823	10.970	11.135	11.273	1.7%
Natural Gas 6/	4.639	4.392	4.737	4.838	4.893	4.944	5.042	5.114	5.169	5.238	5.308	5.387	5.450	5.494	5.532	5.603	5.652	5.685	5.703	5.692	5.714	1.0%
Metallurgical Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Steam Coal	0.115	0.115	0.111	0.114	0.115	0.116	0.117	0.117	0.116	0.116	0.116	0.116	0.116	0.116	0.115	0.115	0.116	0.117	0.117	0.118	0.118	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal Subtotal	0.115	0.115	0.111	0.114	0.115	0.116	0.117	0.117	0.116	0.116	0.116	0.116	0.116	0.116	0.115	0.115	0.116	0.117	0.117	0.118	0.118	0.2%
Renewable Energy 13/	0.268	0.271	0.277	0.284	0.290	0.298	0.304	0.312	0.314	0.319	0.325	0.334	0.342	0.349	0.356	0.363	0.370	0.378	0.385	0.391	0.397	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	1.668	1.656	1.685	1.748	1.794	1.832	1.872	1.916	1.949	1.985	2.032	2.079	2.117	2.149	2.185	2.218	2.250	2.277	2.307	2.337	2.368	1.8%
Delivered Energy	14.811	14.325	15.005	15.423	15.698	15.985	16.285	16.624	16.881	17.195	17.528	17.910	18.173	18.409	18.638	18.865	19.089	19.280	19.482	19.674	19.871	1.5%
Electricity Related Losses	3.092	3.178	3.277	3.349	3.336	3.334	3.308	3.200	3.160	3.142	3.172	3.219	3.248	3.284	3.296	3.315	3.328	3.329	3.340	3.340	3.343	0.4%
Total	17.903	17.503	18.282	18.772	19.035	19.319	19.593	19.824	20.041	20.337	20.700	21.128	21.421	21.693	21.934	22.180	22.417	22.609	22.822	23.013	23.215	1.3%
Electric Generators 14/																						
Distillate Fuel	0.005	0.006	0.006	0.008	0.007	0.007	0.007	0.006	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.3%
Residual Fuel	0.006	0.095	0.017	0.005	0.005	0.005	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	-2.7%
Petroleum Subtotal	0.011	0.101	0.024	0.013	0.012	0.012	0.011	0.009	0.009	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.009	-1.2%
Natural Gas	1.607	1.560	1.738	1.864	1.853	1.858	1.842	1.788	1.813	1.826	1.902	1.993	2.060	2.123	2.171	2.221	2.264	2.291	2.330	2.358	2.390	2.0%
Steam Coal	2.344	2.336	2.312	2.352	2.391	2.417	2.443	2.431	2.396	2.394	2.391	2.391	2.391	2.392	2.396	2.392	2.397	2.397	2.397	2.397	2.397	0.1%
Nuclear Power	0.730	0.753	0.771	0.743	0.744	0.745	0.746	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.1%
Renewable Energy 15/	0.068	0.085	0.118	0.125	0.130	0.135	0.138	0.141	0.145	0.153	0.157	0.159	0.160	0.163	0.159	0.166	0.161	0.163	0.165	0.167	0.169	4.7%
Electricity Imports 16/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	4.760	4.834	4.963	5.097	5.130	5.167	5.180	5.116	5.109	5.127	5.204	5.297	5.366	5.434	5.481	5.534	5.578	5.606	5.647	5.677	5.712	0.9%

Table 7. Energy Consumption by Sector and Source (3 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
West South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Total Energy Consumption																						
Distillate Fuel	1.099	1.129	1.145	1.191	1.229	1.267	1.294	1.324	1.358	1.396	1.434	1.476	1.510	1.541	1.569	1.593	1.619	1.645	1.671	1.696	1.719	2.3%
Kerosene	0.010	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	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.8%
Jet Fuel 9/	0.880	0.859	0.880	0.910	0.934	0.961	0.986	1.011	1.045	1.083	1.121	1.162	1.198	1.234	1.270	1.306	1.346	1.386	1.426	1.466	1.504	2.7%
Liquefied Petroleum Gas	1.983	1.847	1.970	2.014	2.041	2.065	2.080	2.103	2.122	2.156	2.179	2.232	2.261	2.285	2.313	2.316	2.333	2.343	2.375	2.416	2.445	1.1%
Motor Gasoline 2/	1.960	1.977	2.018	2.084	2.130	2.176	2.216	2.261	2.311	2.363	2.413	2.463	2.512	2.558	2.598	2.638	2.678	2.717	2.755	2.794	2.827	1.8%
Petrochemical Feedstocks	0.610	0.531	0.588	0.605	0.615	0.624	0.632	0.643	0.652	0.662	0.669	0.685	0.695	0.702	0.708	0.712	0.717	0.719	0.724	0.729	0.735	0.9%
Residual Fuel	0.433	0.479	0.409	0.398	0.400	0.402	0.404	0.405	0.407	0.409	0.410	0.413	0.414	0.416	0.418	0.420	0.422	0.423	0.424	0.426	0.428	-0.1%
Other Petroleum 12/	1.157	1.159	1.197	1.237	1.257	1.299	1.337	1.414	1.434	1.465	1.515	1.557	1.552	1.560	1.571	1.575	1.582	1.586	1.592	1.604	1.612	1.7%
Petroleum Subtotal	8.132	7.992	8.218	8.450	8.618	8.806	8.961	9.173	9.340	9.543	9.754	10.000	10.154	10.307	10.458	10.572	10.708	10.830	10.978	11.142	11.282	1.7%
Natural Gas	6.246	5.953	6.474	6.703	6.746	6.802	6.884	6.903	6.982	7.064	7.210	7.380	7.510	7.618	7.702	7.824	7.916	7.976	8.033	8.050	8.104	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Steam Coal	2.459	2.450	2.424	2.466	2.506	2.533	2.560	2.548	2.512	2.510	2.506	2.507	2.507	2.508	2.511	2.507	2.513	2.513	2.514	2.515	2.515	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal Subtotal	2.459	2.450	2.424	2.466	2.506	2.533	2.560	2.548	2.512	2.510	2.506	2.507	2.507	2.508	2.511	2.507	2.513	2.513	2.514	2.515	2.515	0.1%
Nuclear Power	0.730	0.753	0.771	0.743	0.744	0.745	0.746	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.747	0.1%
Renewable Energy 17/	0.335	0.355	0.394	0.409	0.420	0.433	0.442	0.453	0.458	0.472	0.482	0.493	0.502	0.512	0.515	0.529	0.532	0.541	0.550	0.558	0.566	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity Imports 16/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	17.903	17.504	18.282	18.772	19.035	19.319	19.593	19.824	20.041	20.337	20.700	21.128	21.421	21.694	21.934	22.180	22.417	22.609	22.822	23.013	23.215	1.3%
Energy Use & Related Statistics																						
Delivered Energy Use	14.811	14.325	15.005	15.423	15.698	15.985	16.285	16.624	16.881	17.195	17.528	17.910	18.173	18.409	18.638	18.865	19.089	19.280	19.482	19.674	19.871	1.5%
Total Energy Use	17.903	17.503	18.282	18.772	19.035	19.319	19.593	19.824	20.041	20.337	20.700	21.128	21.421	21.693	21.934	22.180	22.417	22.609	22.822	23.013	23.215	1.3%
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	35.652	36.039	36.427	36.816	37.205	37.593	37.979	38.363	1.1%
US GDP (billion 1996 dollars)	9224	9319	9523	9826	10103	10418	10719	11046	11442	11867	12312	12777	13166	13560	13973	14399	14835	15287	15717	16138	16525	3.0%
Carbon Dioxide Emissions																						
(million metric tons carbon equivalent)	1561.7	1560.8	1583.9	1631.3	1662.2	1693.5	1724.4	1755.8	1780.9	1806.5	1834.7	1865.1	1892.0	1917.9	1941.0	1965.4	1990.6	2015.6	2039.3	2064.3	2087.8	1.5%

1/ Includes wood used for residential heating.

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 cogeneration.

5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.

6/ Includes lease and plant fuel and consumption by cogenerators; excludes consumption by nonutility generators.

7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass; includes cogeneration, both for sale to the grid and for own use.

8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.

9/ Includes only kerosene type.

10/ Includes aviation gas 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 all electric power generators for grid-connected power except cogenerators, which produce electricity and other useful thermal energy. 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 cogeneration. Excludes net electricity imports.

16/ In 1999 approximately 70 percent of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions for the fuel source of imported electricity.

17/ 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 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 electric utility fuel consumption: EIA, Electric Power Annual 1999, Volume I, DOE/EIA-0348(99)/1 (Washington, DC, August 2000). 2000 nonutility consumption estimates: EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility." Other 2000 values: EIA, Short-Term Energy Outlook, October 2001, http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/oct01.pdf. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 8. Energy Consumption by Sector and Source (1 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
Mountain

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Energy Consumption																						
Residential																						
Distillate Fuel	0.010	0.011	0.011	0.011	0.010	0.010	0.010	0.010	0.009	0.009	0.009	0.009	0.009	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.007	-1.5%
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	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	3.9%
Liquefied Petroleum Gas	0.018	0.017	0.018	0.018	0.018	0.019	0.019	0.019	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.021	0.021	0.021	0.021	0.021	0.8%
Petroleum Subtotal	0.029	0.029	0.029	0.029	0.030	0.029	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.2%
Natural Gas	0.333	0.338	0.356	0.367	0.374	0.376	0.381	0.387	0.394	0.399	0.405	0.413	0.420	0.424	0.430	0.436	0.443	0.449	0.456	0.463	0.471	1.8%
Coal	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.7%
Renewable Energy 1/	0.033	0.033	0.034	0.034	0.034	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.033	0.032	0.032	0.032	0.032	0.0%
Electricity	0.247	0.260	0.266	0.277	0.283	0.288	0.293	0.298	0.304	0.309	0.315	0.321	0.328	0.334	0.341	0.348	0.356	0.362	0.370	0.377	0.386	2.3%
Delivered Energy	0.643	0.662	0.687	0.709	0.723	0.730	0.739	0.751	0.764	0.773	0.786	0.799	0.814	0.823	0.836	0.849	0.864	0.876	0.890	0.905	0.922	1.8%
Electricity Related Losses	0.820	0.833	0.822	0.847	0.857	0.873	0.883	0.888	0.884	0.883	0.884	0.889	0.899	0.903	0.920	0.941	0.963	0.986	1.014	1.041	1.067	1.3%
Total	1.464	1.494	1.509	1.557	1.580	1.603	1.623	1.639	1.648	1.656	1.670	1.688	1.713	1.727	1.756	1.790	1.827	1.862	1.904	1.945	1.989	1.5%
Commercial																						
Distillate Fuel	0.010	0.011	0.011	0.012	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.014	0.015	0.015	2.3%
Residual Fuel	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	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	2.1%
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	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	2.4%
Liquefied Petroleum Gas	0.009	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.011	0.011	0.011	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.014	2.1%
Motor Gasoline 2/	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.001	-0.5%
Petroleum Subtotal	0.023	0.024	0.025	0.026	0.026	0.027	0.027	0.028	0.028	0.029	0.029	0.030	0.030	0.031	0.031	0.032	0.032	0.033	0.033	0.034	0.035	2.1%
Natural Gas	0.254	0.259	0.273	0.286	0.294	0.298	0.304	0.311	0.318	0.327	0.336	0.346	0.354	0.363	0.372	0.381	0.391	0.401	0.412	0.422	0.432	2.7%
Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.5%
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	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.0%
Electricity	0.279	0.291	0.295	0.306	0.315	0.324	0.334	0.344	0.356	0.368	0.381	0.394	0.407	0.420	0.434	0.447	0.461	0.475	0.489	0.502	0.516	3.1%
Delivered Energy	0.559	0.577	0.595	0.620	0.638	0.652	0.668	0.686	0.705	0.726	0.749	0.772	0.795	0.817	0.840	0.863	0.887	0.912	0.937	0.961	0.985	2.9%
Electricity Related Losses	0.928	0.934	0.912	0.938	0.953	0.982	1.007	1.027	1.033	1.051	1.070	1.091	1.115	1.137	1.171	1.209	1.247	1.293	1.341	1.386	1.426	2.2%
Total	1.486	1.511	1.507	1.558	1.591	1.634	1.675	1.712	1.738	1.777	1.819	1.863	1.910	1.954	2.011	2.072	2.134	2.204	2.278	2.347	2.411	2.4%
Industrial 4/																						
Distillate Fuel	0.125	0.124	0.127	0.130	0.132	0.134	0.135	0.135	0.137	0.139	0.142	0.144	0.146	0.148	0.150	0.152	0.154	0.156	0.159	0.162	0.164	1.4%
Liquefied Petroleum Gas	0.014	0.013	0.014	0.014	0.014	0.015	0.015	0.015	0.015	0.015	0.015	0.016	0.016	0.016	0.017	0.016	0.017	0.017	0.018	0.019	0.020	1.7%
Petrochemical Feedstocks	0.019	0.017	0.019	0.019	0.020	0.020	0.020	0.021	0.021	0.021	0.022	0.022	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.024	0.024	1.0%
Residual Fuel	0.003	0.003	0.002	0.000	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	0.001	0.001	-5.6%
Motor Gasoline 2/	0.020	0.020	0.020	0.020	0.021	0.021	0.021	0.021	0.021	0.022	0.022	0.023	0.023	0.023	0.024	0.024	0.024	0.025	0.025	0.026	0.026	1.5%
Other Petroleum 5/	0.205	0.208	0.213	0.202	0.206	0.211	0.215	0.222	0.226	0.230	0.237	0.241	0.242	0.246	0.250	0.254	0.257	0.260	0.264	0.269	0.273	1.5%
Petroleum Subtotal	0.384	0.385	0.393	0.380	0.387	0.395	0.400	0.408	0.415	0.423	0.432	0.440	0.443	0.450	0.457	0.464	0.469	0.474	0.483	0.493	0.501	1.3%
Natural Gas 6/	0.385	0.384	0.384	0.403	0.410	0.418	0.433	0.444	0.457	0.471	0.487	0.502	0.511	0.520	0.528	0.537	0.546	0.557	0.567	0.573	0.582	2.1%
Metallurgical Coal	0.020	0.019	0.019	0.019	0.018	0.018	0.018	0.018	0.018	0.017	0.017	0.017	0.016	0.016	0.016	0.016	0.015	0.015	0.015	0.014	0.014	-1.8%
Steam Coal	0.110	0.112	0.110	0.113	0.115	0.116	0.117	0.118	0.119	0.121	0.121	0.123	0.124	0.126	0.127	0.128	0.129	0.130	0.132	0.133	0.135	1.0%
Net Coal Coke Imports	0.003	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.009	0.009	0.009	0.010	0.010	0.011	0.011	7.5%
Coal Subtotal	0.133	0.133	0.131	0.135	0.137	0.139	0.140	0.142	0.143	0.145	0.145	0.147	0.148	0.150	0.151	0.152	0.154	0.155	0.157	0.158	0.160	0.9%
Renewable Energy 7/	0.124	0.124	0.128	0.131	0.134	0.137	0.140	0.143	0.144	0.147	0.150	0.153	0.156	0.159	0.161	0.164	0.167	0.169	0.172	0.174	0.177	1.8%
Electricity	0.235	0.230	0.229	0.233	0.239	0.245	0.250	0.256	0.262	0.267	0.273	0.280	0.285	0.290	0.296	0.301	0.305	0.311	0.317	0.322	0.327	1.7%
Delivered Energy	1.261	1.255	1.265	1.282	1.307	1.335	1.364	1.393	1.420	1.452	1.488	1.522	1.544	1.569	1.593	1.618	1.641	1.666	1.695	1.720	1.746	1.6%
Electricity Related Losses	0.780	0.737	0.708	0.714	0.722	0.743	0.755	0.764	0.760	0.763	0.768	0.775	0.781	0.786	0.798	0.812	0.826	0.846	0.869	0.889	0.905	0.7%
Total	2.042	1.992	1.973	1.996	2.029	2.077	2.119	2.157	2.181	2.215	2.256	2.297	2.325	2.355	2.391	2.430	2.467	2.512	2.564	2.609	2.651	1.3%

Table 8. Energy Consumption by Sector and Source (2 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
Mountain

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Transportation																						
Distillate Fuel 8/	0.450	0.465	0.474	0.499	0.521	0.546	0.566	0.589	0.612	0.637	0.663	0.691	0.714	0.737	0.759	0.779	0.800	0.822	0.843	0.864	0.884	3.4%
Jet Fuel 9/	0.222	0.216	0.222	0.230	0.237	0.245	0.252	0.260	0.270	0.280	0.292	0.303	0.314	0.324	0.335	0.346	0.359	0.371	0.384	0.396	0.409	3.1%
Motor Gasoline 2/	1.062	1.072	1.094	1.141	1.176	1.212	1.246	1.282	1.322	1.363	1.403	1.445	1.485	1.525	1.562	1.598	1.636	1.673	1.710	1.748	1.784	2.6%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Liquefied Petroleum Gas	0.001	0.002	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	0.004	0.004	0.004	0.004	0.004	0.004	5.3%
Other Petroleum 10/	0.016	0.017	0.018	0.018	0.019	0.019	0.019	0.020	0.020	0.021	0.021	0.022	0.022	0.023	0.023	0.024	0.024	0.025	0.026	0.026	0.027	2.6%
Petroleum Subtotal	1.751	1.772	1.810	1.889	1.955	2.024	2.086	2.153	2.226	2.304	2.382	2.464	2.539	2.613	2.683	2.752	2.823	2.895	2.967	3.039	3.107	2.9%
Pipeline Fuel Natural Gas	0.111	0.150	0.128	0.134	0.134	0.132	0.136	0.136	0.139	0.141	0.145	0.152	0.156	0.159	0.163	0.166	0.170	0.175	0.180	0.183	0.187	2.6%
Compressed Natural Gas	0.001	0.002	0.002	0.003	0.004	0.004	0.005	0.006	0.006	0.007	0.008	0.009	0.010	0.011	0.012	0.012	0.013	0.014	0.014	0.015	0.015	12.8%
Renewable Energy (E85) 11/	0.001	0.001	0.001	0.001	0.001	0.002	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	0.004	0.004	6.2%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.008	0.008	0.009	4.1%
Delivered Energy	1.869	1.929	1.946	2.032	2.098	2.166	2.233	2.302	2.379	2.461	2.544	2.634	2.714	2.792	2.867	2.940	3.017	3.095	3.173	3.249	3.322	2.9%
Electricity Related Losses	0.013	0.013	0.013	0.013	0.014	0.014	0.015	0.015	0.015	0.015	0.016	0.016	0.017	0.017	0.018	0.019	0.019	0.020	0.021	0.023	0.024	3.2%
Total	1.881	1.942	1.958	2.045	2.112	2.180	2.248	2.317	2.394	2.476	2.560	2.650	2.731	2.809	2.885	2.959	3.036	3.115	3.194	3.272	3.346	2.9%
Delivered Energy Consumption, All Sectors																						
Distillate Fuel	0.594	0.611	0.623	0.651	0.676	0.702	0.723	0.746	0.771	0.799	0.827	0.857	0.882	0.907	0.931	0.953	0.976	1.000	1.024	1.048	1.070	3.0%
Kerosene	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	2.3%
Jet Fuel 9/	0.222	0.216	0.222	0.230	0.237	0.245	0.252	0.260	0.270	0.280	0.292	0.303	0.314	0.324	0.335	0.346	0.359	0.371	0.384	0.396	0.409	3.1%
Liquefied Petroleum Gas	0.043	0.041	0.043	0.043	0.044	0.045	0.046	0.046	0.047	0.048	0.049	0.050	0.051	0.051	0.053	0.053	0.053	0.054	0.056	0.058	0.059	1.6%
Motor Gasoline 2/	1.084	1.093	1.116	1.163	1.199	1.235	1.269	1.305	1.345	1.386	1.427	1.469	1.510	1.550	1.587	1.624	1.662	1.700	1.737	1.776	1.812	2.6%
Petrochemical Feedstocks	0.019	0.017	0.019	0.019	0.020	0.020	0.020	0.021	0.021	0.021	0.022	0.022	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.024	0.024	1.0%
Residual Fuel	0.004	0.004	0.004	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	-1.8%
Other Petroleum 12/	0.219	0.224	0.228	0.213	0.217	0.223	0.228	0.235	0.239	0.244	0.251	0.255	0.257	0.261	0.266	0.270	0.274	0.277	0.282	0.287	0.292	1.4%
Petroleum Subtotal	2.187	2.210	2.257	2.324	2.398	2.475	2.543	2.618	2.698	2.785	2.873	2.963	3.042	3.123	3.201	3.277	3.354	3.431	3.513	3.596	3.672	2.6%
Natural Gas 6/	1.084	1.132	1.144	1.193	1.215	1.228	1.259	1.284	1.315	1.345	1.382	1.421	1.452	1.477	1.504	1.532	1.564	1.596	1.629	1.655	1.687	2.2%
Metallurgical Coal	0.020	0.019	0.019	0.019	0.018	0.018	0.018	0.018	0.018	0.017	0.017	0.017	0.016	0.016	0.016	0.016	0.015	0.015	0.015	0.014	0.014	-1.8%
Steam Coal	0.112	0.114	0.112	0.116	0.118	0.119	0.120	0.121	0.122	0.124	0.124	0.126	0.127	0.128	0.130	0.131	0.132	0.133	0.135	0.136	0.137	1.0%
Net Coal Coke Imports	0.003	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.009	0.009	0.009	0.010	0.010	0.011	0.011	7.5%
Coal Subtotal	0.135	0.135	0.134	0.138	0.140	0.142	0.143	0.144	0.146	0.148	0.148	0.150	0.151	0.153	0.154	0.155	0.157	0.158	0.160	0.161	0.162	0.9%
Renewable Energy 13/	0.160	0.161	0.165	0.168	0.171	0.175	0.178	0.181	0.183	0.185	0.188	0.192	0.194	0.197	0.200	0.202	0.205	0.208	0.210	0.213	0.215	1.5%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	0.765	0.785	0.793	0.820	0.842	0.862	0.882	0.904	0.927	0.949	0.975	1.001	1.027	1.051	1.077	1.103	1.130	1.155	1.183	1.210	1.238	2.4%
Delivered Energy	4.332	4.423	4.493	4.643	4.767	4.882	5.005	5.132	5.269	5.412	5.567	5.727	5.867	6.001	6.136	6.270	6.409	6.548	6.695	6.835	6.975	2.4%
Electricity Related Losses	2.541	2.516	2.454	2.512	2.546	2.612	2.660	2.694	2.692	2.712	2.738	2.771	2.812	2.844	2.906	2.980	3.054	3.146	3.245	3.338	3.421	1.5%
Total	6.873	6.939	6.948	7.156	7.313	7.495	7.665	7.826	7.961	8.124	8.304	8.497	8.679	8.845	9.042	9.250	9.463	9.694	9.940	10.173	10.396	2.1%
Electric Generators 14/																						
Distillate Fuel	0.003	0.009	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	0.001	0.001	0.001	0.001	-7.1%
Residual Fuel	0.038	0.040	0.003	0.000	0.000	0.000	0.000	0.000	0.000	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	0.041	0.050	0.004	0.002	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	0.001	0.001	-18.7%
Natural Gas	0.248	0.311	0.256	0.279	0.296	0.284	0.271	0.255	0.190	0.169	0.164	0.187	0.175	0.168	0.172	0.159	0.155	0.153	0.152	0.146	0.145	-2.7%
Steam Coal	2.288	2.266	2.232	2.271	2.304	2.394	2.469	2.531	2.613	2.665	2.714	2.740	2.813	2.865	2.941	3.051	3.154	3.272	3.399	3.522	3.632	2.3%
Nuclear Power	0.334	0.338	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	N/A
Renewable Energy 15/	0.394	0.337	0.420	0.447	0.452	0.461	0.466	0.476	0.482	0.492	0.498	0.509	0.516	0.527	0.534	0.538	0.540	0.541	0.542	0.545	0.547	1.7%
Electricity Imports 16/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.7%
Total	3.306	3.301	3.247	3.333	3.388	3.475	3.542	3.598	3.619	3.661	3.712	3.771	3.839	3.895	3.983	4.083	4.184	4.301	4.428	4.548	4.659	1.7%

Table 8. Energy Consumption by Sector and Source (3 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
Mountain

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Total Energy Consumption																						
Distillate Fuel	0.597	0.620	0.624	0.652	0.677	0.704	0.724	0.747	0.772	0.799	0.828	0.858	0.883	0.908	0.931	0.954	0.977	1.000	1.025	1.049	1.071	3.0%
Kerosene	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	2.3%
Jet Fuel 9/	0.222	0.216	0.222	0.230	0.237	0.245	0.252	0.260	0.270	0.280	0.292	0.303	0.314	0.324	0.335	0.346	0.359	0.371	0.384	0.396	0.409	3.1%
Liquefied Petroleum Gas	0.043	0.041	0.043	0.043	0.044	0.045	0.046	0.046	0.047	0.048	0.049	0.050	0.051	0.051	0.053	0.053	0.053	0.054	0.056	0.058	0.059	1.6%
Motor Gasoline 2/	1.084	1.093	1.116	1.163	1.199	1.235	1.269	1.305	1.345	1.386	1.427	1.469	1.510	1.550	1.587	1.624	1.662	1.700	1.737	1.776	1.812	2.6%
Petrochemical Feedstocks	0.019	0.017	0.019	0.019	0.020	0.020	0.020	0.021	0.021	0.021	0.022	0.022	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.024	0.024	1.0%
Residual Fuel	0.042	0.044	0.007	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	-12.8%
Other Petroleum 12/	0.219	0.224	0.228	0.213	0.217	0.223	0.228	0.235	0.239	0.244	0.251	0.255	0.257	0.261	0.266	0.270	0.274	0.277	0.282	0.287	0.292	1.4%
Petroleum Subtotal	2.228	2.259	2.262	2.325	2.399	2.477	2.544	2.619	2.699	2.786	2.874	2.963	3.043	3.124	3.201	3.277	3.354	3.432	3.513	3.597	3.673	2.5%
Natural Gas	1.332	1.444	1.399	1.471	1.511	1.511	1.530	1.539	1.504	1.513	1.546	1.608	1.627	1.645	1.676	1.691	1.718	1.748	1.781	1.801	1.831	1.6%
Metallurgical Coal	0.020	0.019	0.019	0.019	0.018	0.018	0.018	0.018	0.018	0.017	0.017	0.017	0.016	0.016	0.016	0.016	0.015	0.015	0.015	0.014	0.014	-1.8%
Steam Coal	2.401	2.380	2.345	2.387	2.422	2.513	2.589	2.652	2.735	2.789	2.839	2.866	2.940	2.993	3.071	3.182	3.287	3.405	3.533	3.658	3.769	2.3%
Net Coal Coke Imports	0.003	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.009	0.009	0.009	0.010	0.010	0.011	0.011	7.5%
Coal Subtotal	2.424	2.400	2.366	2.409	2.444	2.536	2.612	2.675	2.758	2.812	2.863	2.891	2.964	3.018	3.095	3.206	3.311	3.430	3.558	3.683	3.794	2.3%
Nuclear Power	0.334	0.338	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	0.334	N/A
Renewable Energy 17/	0.554	0.498	0.586	0.615	0.624	0.636	0.644	0.657	0.664	0.677	0.686	0.701	0.710	0.724	0.734	0.741	0.745	0.748	0.752	0.758	0.763	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity Imports 16/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.7%
Total	6.873	6.939	6.948	7.156	7.313	7.495	7.665	7.826	7.961	8.124	8.304	8.497	8.679	8.845	9.042	9.250	9.463	9.694	9.940	10.173	10.396	2.1%
Energy Use & Related Statistics																						
Delivered Energy Use	4.332	4.423	4.493	4.643	4.767	4.882	5.005	5.132	5.269	5.412	5.567	5.727	5.867	6.001	6.136	6.270	6.409	6.548	6.695	6.835	6.975	2.4%
Total Energy Use	6.873	6.939	6.948	7.156	7.313	7.495	7.665	7.826	7.961	8.124	8.304	8.497	8.679	8.845	9.042	9.250	9.463	9.694	9.940	10.173	10.396	2.1%
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	22.515	22.942	23.375	23.814	24.258	24.706	25.159	25.616	1.9%
US GDP (billion 1996 dollars)	9224	9319	9523	9826	10103	10418	10719	11046	11442	11867	12312	12777	13166	13560	13973	14399	14835	15287	15717	16138	16525	3.0%
Carbon Dioxide Emissions																						
(million metric tons carbon equivalent)	1561.7	1560.8	1583.9	1631.3	1662.2	1693.5	1724.4	1755.8	1780.9	1806.5	1834.7	1865.1	1892.0	1917.9	1941.0	1965.4	1990.6	2015.6	2039.3	2064.3	2087.8	1.5%

1/ Includes wood used for residential heating.

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 cogeneration.

5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.

6/ Includes lease and plant fuel and consumption by cogenerators; excludes consumption by nonutility generators.

7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass; includes cogeneration, both for sale to the grid and for own use.

8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.

9/ Includes only kerosene type.

10/ Includes aviation gas 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 all electric power generators for grid-connected power except cogenerators, which produce electricity and other useful thermal energy. 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 cogeneration. Excludes net electricity imports.

16/ In 1999 approximately 70 percent of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions for the fuel source of imported electricity.

17/ 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 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 electric utility fuel consumption: EIA, Electric Power Annual 1999, Volume I, DOE/EIA-0348(99)/1 (Washington, DC, August 2000). 2000 nonutility consumption estimates: EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility." Other 2000 values: EIA, Short-Term Energy Outlook, October 2001, http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/oct01.pdf. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 9. Energy Consumption by Sector and Source (1 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
Pacific

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Energy Consumption																						
Residential																						
Distillate Fuel	0.024	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.025	0.025	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.027	0.027	0.6%
Kerosene	0.002	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-1.8%
Liquefied Petroleum Gas	0.030	0.029	0.029	0.030	0.030	0.031	0.031	0.032	0.033	0.033	0.034	0.034	0.034	0.034	0.034	0.035	0.035	0.035	0.035	0.035	0.036	0.8%
Petroleum Subtotal	0.056	0.057	0.057	0.057	0.058	0.058	0.059	0.059	0.060	0.060	0.061	0.061	0.062	0.062	0.062	0.062	0.063	0.063	0.063	0.063	0.064	0.7%
Natural Gas	0.661	0.673	0.692	0.710	0.720	0.720	0.725	0.732	0.740	0.745	0.752	0.761	0.771	0.775	0.782	0.789	0.799	0.805	0.814	0.823	0.834	1.2%
Coal	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.6%
Renewable Energy 1/	0.071	0.073	0.074	0.074	0.075	0.075	0.076	0.077	0.077	0.078	0.078	0.079	0.080	0.080	0.081	0.082	0.082	0.083	0.083	0.084	0.085	0.9%
Electricity	0.462	0.460	0.457	0.470	0.482	0.492	0.499	0.504	0.509	0.511	0.515	0.520	0.530	0.538	0.546	0.553	0.560	0.564	0.571	0.578	0.587	1.2%
Delivered Energy	1.254	1.266	1.283	1.314	1.338	1.349	1.363	1.375	1.390	1.398	1.410	1.426	1.447	1.459	1.475	1.490	1.508	1.519	1.535	1.552	1.573	1.1%
Electricity Related Losses	0.674	0.665	0.710	0.738	0.752	0.750	0.780	0.774	0.793	0.795	0.799	0.810	0.831	0.850	0.862	0.867	0.870	0.870	0.873	0.878	0.887	1.4%
Total	1.928	1.931	1.993	2.052	2.089	2.099	2.143	2.149	2.183	2.193	2.209	2.236	2.278	2.309	2.337	2.357	2.378	2.388	2.408	2.429	2.460	1.2%
Commercial																						
Distillate Fuel	0.016	0.018	0.018	0.019	0.020	0.020	0.020	0.020	0.020	0.021	0.021	0.021	0.021	0.022	0.022	0.022	0.022	0.022	0.023	0.023	0.023	1.9%
Residual Fuel	0.012	0.010	0.010	0.010	0.011	0.011	0.011	0.011	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.015	1.2%
Kerosene	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	1.8%
Liquefied Petroleum Gas	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	1.4%
Motor Gasoline 2/	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	-0.5%
Petroleum Subtotal	0.038	0.038	0.039	0.040	0.041	0.042	0.042	0.043	0.043	0.044	0.044	0.045	0.046	0.047	0.047	0.048	0.048	0.049	0.050	0.050	0.051	1.4%
Natural Gas	0.419	0.426	0.438	0.455	0.467	0.474	0.483	0.492	0.502	0.512	0.524	0.536	0.547	0.557	0.569	0.581	0.595	0.609	0.624	0.639	0.654	2.2%
Coal	0.013	0.012	0.013	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.015	0.015	0.015	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.018	1.4%
Renewable Energy 3/	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.0%
Electricity	0.560	0.553	0.552	0.573	0.601	0.629	0.654	0.675	0.693	0.712	0.730	0.750	0.775	0.800	0.823	0.845	0.866	0.887	0.909	0.931	0.953	2.7%
Delivered Energy	1.040	1.038	1.051	1.090	1.132	1.168	1.201	1.233	1.262	1.291	1.322	1.355	1.391	1.428	1.464	1.499	1.535	1.571	1.608	1.646	1.684	2.4%
Electricity Related Losses	0.817	0.800	0.857	0.901	0.938	0.959	1.022	1.036	1.080	1.107	1.132	1.168	1.213	1.264	1.301	1.326	1.346	1.367	1.389	1.414	1.440	2.9%
Total	1.856	1.838	1.908	1.991	2.070	2.127	2.224	2.269	2.342	2.398	2.455	2.524	2.604	2.692	2.765	2.825	2.881	2.938	2.998	3.060	3.125	2.6%
Industrial 4/																						
Distillate Fuel	0.089	0.089	0.090	0.091	0.093	0.094	0.095	0.095	0.096	0.098	0.100	0.101	0.102	0.104	0.105	0.107	0.108	0.110	0.112	0.114	0.115	1.3%
Liquefied Petroleum Gas	0.033	0.031	0.033	0.071	0.075	0.077	0.064	0.071	0.065	0.062	0.065	0.072	0.068	0.076	0.083	0.087	0.081	0.073	0.060	0.059	0.060	3.0%
Petrochemical Feedstocks	0.013	0.011	0.013	0.013	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	0.016	0.016	0.016	0.016	1.0%
Residual Fuel	0.012	0.011	0.009	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.039	0.039	0.039	0.039	0.040	0.040	0.033	0.040	6.1%
Motor Gasoline 2/	0.023	0.023	0.023	0.024	0.024	0.024	0.024	0.024	0.025	0.025	0.026	0.026	0.026	0.027	0.027	0.028	0.028	0.029	0.029	0.030	0.030	1.5%
Other Petroleum 5/	0.670	0.683	0.694	0.723	0.719	0.719	0.734	0.719	0.727	0.728	0.741	0.751	0.750	0.757	0.763	0.770	0.774	0.780	0.787	0.794	0.802	0.9%
Petroleum Subtotal	0.840	0.848	0.862	0.925	0.928	0.929	0.935	0.924	0.929	0.928	0.948	0.966	0.963	1.011	1.027	1.040	1.039	1.039	1.036	1.038	1.056	1.1%
Natural Gas 6/	1.483	1.446	1.539	1.503	1.539	1.568	1.615	1.654	1.684	1.722	1.745	1.761	1.793	1.774	1.785	1.801	1.832	1.864	1.908	1.934	1.943	1.4%
Metallurgical Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Steam Coal	0.076	0.078	0.076	0.078	0.080	0.081	0.081	0.082	0.083	0.084	0.084	0.085	0.086	0.087	0.088	0.089	0.090	0.090	0.091	0.092	0.093	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal Subtotal	0.076	0.078	0.076	0.078	0.080	0.081	0.081	0.082	0.083	0.084	0.084	0.085	0.086	0.087	0.088	0.089	0.090	0.090	0.091	0.092	0.093	1.0%
Renewable Energy 7/	0.366	0.365	0.375	0.386	0.395	0.406	0.415	0.425	0.426	0.434	0.442	0.454	0.463	0.472	0.480	0.488	0.496	0.504	0.511	0.518	0.524	1.8%
Electricity	0.412	0.403	0.401	0.431	0.440	0.451	0.461	0.471	0.481	0.490	0.501	0.512	0.521	0.530	0.538	0.544	0.553	0.562	0.574	0.583	0.591	1.8%
Delivered Energy	3.178	3.140	3.254	3.323	3.382	3.434	3.506	3.555	3.602	3.658	3.720	3.779	3.827	3.873	3.918	3.960	4.009	4.060	4.121	4.166	4.207	1.4%
Electricity Related Losses	0.601	0.583	0.623	0.677	0.687	0.688	0.720	0.724	0.749	0.761	0.776	0.797	0.816	0.837	0.849	0.853	0.859	0.866	0.878	0.886	0.894	2.0%
Total	3.779	3.724	3.877	4.000	4.069	4.122	4.227	4.279	4.351	4.419	4.496	4.576	4.643	4.710	4.767	4.813	4.868	4.926	4.998	5.052	5.101	1.5%

Table 9. Energy Consumption by Sector and Source (2 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
Pacific

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Transportation																						
Distillate Fuel 8/	0.598	0.619	0.631	0.657	0.680	0.705	0.723	0.744	0.765	0.788	0.812	0.837	0.856	0.874	0.890	0.906	0.921	0.936	0.951	0.965	0.977	2.5%
Jet Fuel 9/	0.940	0.918	0.941	0.971	0.995	1.022	1.047	1.072	1.105	1.141	1.179	1.218	1.252	1.285	1.320	1.355	1.393	1.432	1.470	1.509	1.544	2.5%
Motor Gasoline 2/	2.369	2.390	2.441	2.517	2.570	2.623	2.670	2.722	2.780	2.841	2.900	2.958	3.016	3.070	3.117	3.163	3.211	3.257	3.302	3.348	3.389	1.8%
Residual Fuel	0.378	0.343	0.352	0.353	0.354	0.355	0.356	0.357	0.358	0.358	0.359	0.360	0.361	0.362	0.363	0.364	0.365	0.366	0.367	0.368	0.368	-0.1%
Liquefied Petroleum Gas	0.004	0.005	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.009	0.009	4.3%
Other Petroleum 10/	0.038	0.040	0.041	0.042	0.042	0.042	0.043	0.043	0.043	0.044	0.045	0.045	0.045	0.046	0.046	0.047	0.047	0.047	0.048	0.048	0.049	1.2%
Petroleum Subtotal	4.328	4.315	4.410	4.545	4.646	4.752	4.844	4.943	5.057	5.180	5.301	5.425	5.537	5.644	5.744	5.842	5.945	6.047	6.146	6.247	6.336	1.9%
Pipeline Fuel Natural Gas	0.034	0.049	0.044	0.045	0.047	0.048	0.051	0.052	0.053	0.054	0.055	0.056	0.058	0.059	0.059	0.060	0.061	0.061	0.063	0.063	0.064	3.2%
Compressed Natural Gas	0.003	0.004	0.006	0.007	0.008	0.009	0.010	0.011	0.011	0.012	0.013	0.014	0.015	0.016	0.017	0.018	0.019	0.019	0.020	0.020	0.021	9.5%
Renewable Energy (E85) 11/	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.008	0.008	5.3%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	0.010	0.010	0.010	0.011	0.011	0.011	0.012	0.012	0.012	0.013	0.013	0.014	0.014	0.014	0.015	0.015	0.016	0.017	0.017	0.018	0.018	3.3%
Delivered Energy	4.378	4.383	4.473	4.611	4.715	4.825	4.921	5.023	5.140	5.265	5.389	5.517	5.631	5.741	5.843	5.943	6.048	6.152	6.254	6.357	6.448	2.0%
Electricity Related Losses	0.014	0.014	0.016	0.017	0.017	0.017	0.018	0.019	0.019	0.020	0.020	0.021	0.022	0.023	0.024	0.024	0.025	0.025	0.026	0.027	0.028	3.5%
Total	4.392	4.397	4.489	4.628	4.733	4.843	4.939	5.042	5.159	5.285	5.409	5.538	5.653	5.764	5.866	5.967	6.073	6.178	6.280	6.384	6.476	2.0%
Delivered Energy Consumption, All Sectors																						
Distillate Fuel	0.727	0.751	0.765	0.793	0.819	0.845	0.864	0.885	0.907	0.932	0.958	0.985	1.006	1.026	1.044	1.061	1.078	1.095	1.112	1.128	1.142	2.3%
Kerosene	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.6%
Jet Fuel 9/	0.940	0.918	0.941	0.971	0.995	1.022	1.047	1.072	1.105	1.141	1.179	1.218	1.252	1.285	1.320	1.355	1.393	1.432	1.470	1.509	1.544	2.5%
Liquefied Petroleum Gas	0.071	0.068	0.070	0.109	0.113	0.117	0.105	0.112	0.108	0.105	0.110	0.117	0.113	0.122	0.130	0.134	0.128	0.121	0.108	0.108	0.109	2.2%
Motor Gasoline 2/	2.395	2.417	2.467	2.544	2.597	2.651	2.698	2.750	2.809	2.870	2.929	2.988	3.045	3.100	3.148	3.195	3.243	3.289	3.334	3.381	3.422	1.8%
Petrochemical Feedstocks	0.013	0.011	0.013	0.013	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	0.016	0.016	0.016	0.016	1.0%
Residual Fuel	0.402	0.364	0.371	0.369	0.370	0.372	0.374	0.375	0.377	0.378	0.379	0.380	0.382	0.413	0.415	0.417	0.418	0.419	0.421	0.415	0.423	0.3%
Other Petroleum 12/	0.706	0.721	0.734	0.761	0.758	0.753	0.772	0.754	0.762	0.764	0.778	0.788	0.787	0.794	0.801	0.808	0.812	0.819	0.826	0.833	0.841	0.9%
Petroleum Subtotal	5.262	5.258	5.368	5.567	5.673	5.781	5.880	5.969	6.089	6.212	6.354	6.498	6.608	6.764	6.881	6.992	7.095	7.198	7.294	7.399	7.507	1.8%
Natural Gas 6/	2.601	2.599	2.719	2.720	2.781	2.820	2.883	2.940	2.980	3.046	3.089	3.129	3.184	3.181	3.213	3.249	3.305	3.359	3.428	3.479	3.515	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Steam Coal	0.093	0.093	0.092	0.095	0.096	0.098	0.099	0.100	0.101	0.102	0.103	0.104	0.105	0.106	0.107	0.109	0.110	0.111	0.112	0.113	0.115	1.1%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal Subtotal	0.093	0.093	0.092	0.095	0.096	0.098	0.099	0.100	0.101	0.102	0.103	0.104	0.105	0.106	0.107	0.109	0.110	0.111	0.112	0.113	0.115	1.1%
Renewable Energy 13/	0.449	0.451	0.461	0.472	0.482	0.494	0.504	0.515	0.518	0.526	0.536	0.549	0.559	0.568	0.577	0.586	0.595	0.604	0.612	0.620	0.627	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity	1.444	1.425	1.421	1.484	1.534	1.584	1.625	1.662	1.696	1.725	1.759	1.796	1.840	1.881	1.922	1.957	1.995	2.031	2.070	2.110	2.150	2.0%
Delivered Energy	9.849	9.827	10.061	10.338	10.567	10.777	10.991	11.186	11.394	11.612	11.842	12.076	12.297	12.501	12.700	12.893	13.100	13.302	13.517	13.721	13.913	1.7%
Electricity Related Losses	2.106	2.063	2.206	2.333	2.394	2.414	2.541	2.554	2.641	2.683	2.728	2.797	2.882	2.974	3.037	3.070	3.100	3.129	3.166	3.204	3.249	2.2%
Total	11.955	11.889	12.266	12.671	12.962	13.191	13.532	13.740	14.035	14.295	14.569	14.873	15.179	15.475	15.736	15.963	16.200	16.431	16.683	16.925	17.162	1.8%
Electric Generators 14/																						
Distillate Fuel	0.015	0.029	0.012	0.013	0.013	0.011	0.010	0.009	0.009	0.008	0.008	0.008	0.009	0.011	0.015	0.013	0.017	0.009	0.012	0.033	0.020	1.4%
Residual Fuel	0.019	0.020	0.010	0.012	0.013	0.013	0.015	0.007	0.007	0.005	0.005	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.004	0.004	0.004	-7.0%
Petroleum Subtotal	0.035	0.048	0.022	0.025	0.025	0.024	0.026	0.016	0.016	0.013	0.013	0.013	0.013	0.015	0.020	0.018	0.021	0.014	0.016	0.037	0.025	-1.7%
Natural Gas	0.912	1.093	0.851	0.947	1.032	1.080	1.197	1.251	1.346	1.383	1.434	1.514	1.590	1.669	1.719	1.753	1.778	1.811	1.847	1.858	1.912	3.8%
Steam Coal	0.148	0.163	0.155	0.150	0.153	0.155	0.156	0.158	0.158	0.158	0.158	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.159	0.4%
Nuclear Power	0.449	0.455	0.468	0.455	0.456	0.456	0.457	0.458	0.459	0.459	0.460	0.461	0.462	0.462	0.463	0.463	0.463	0.463	0.463	0.463	0.463	0.2%
Renewable Energy 15/	2.030	1.751	2.151	2.269	2.291	2.315	2.356	2.356	2.380	2.416	2.444	2.470	2.522	2.575	2.621	2.661	2.700	2.738	2.777	2.822	2.865	1.7%
Electricity Imports 16/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	3.550	3.488	3.627	3.817	3.929	3.998	4.166	4.216	4.337	4.408	4.487	4.593	4.722	4.856	4.958	5.027	5.095	5.159	5.237	5.314	5.399	2.1%

Table 9. Energy Consumption by Sector and Source (3 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
Pacific

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Total Energy Consumption																						
Distillate Fuel	0.742	0.780	0.777	0.806	0.832	0.856	0.874	0.894	0.916	0.940	0.966	0.993	1.015	1.037	1.059	1.074	1.094	1.104	1.123	1.161	1.162	2.3%
Kerosene	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.6%
Jet Fuel 9/	0.940	0.918	0.941	0.971	0.995	1.022	1.047	1.072	1.105	1.141	1.179	1.218	1.252	1.285	1.320	1.355	1.393	1.432	1.470	1.509	1.544	2.5%
Liquefied Petroleum Gas	0.071	0.068	0.070	0.109	0.113	0.117	0.105	0.112	0.108	0.105	0.110	0.117	0.113	0.122	0.130	0.134	0.128	0.121	0.108	0.108	0.109	2.2%
Motor Gasoline 2/	2.395	2.417	2.467	2.544	2.597	2.651	2.698	2.750	2.809	2.870	2.929	2.988	3.045	3.100	3.148	3.195	3.243	3.289	3.334	3.381	3.422	1.8%
Petrochemical Feedstocks	0.013	0.011	0.013	0.013	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	0.016	0.016	0.016	0.016	1.0%
Residual Fuel	0.421	0.383	0.381	0.380	0.383	0.385	0.389	0.382	0.384	0.383	0.384	0.385	0.386	0.418	0.420	0.421	0.422	0.424	0.425	0.420	0.427	0.1%
Other Petroleum 12/	0.706	0.721	0.734	0.761	0.758	0.753	0.772	0.754	0.762	0.764	0.778	0.788	0.787	0.794	0.801	0.808	0.812	0.819	0.826	0.833	0.841	0.9%
Petroleum Subtotal	5.296	5.306	5.390	5.592	5.698	5.804	5.905	5.985	6.104	6.225	6.367	6.511	6.622	6.779	6.901	7.010	7.116	7.212	7.311	7.436	7.531	1.8%
Natural Gas	3.513	3.692	3.570	3.666	3.814	3.900	4.080	4.191	4.336	4.429	4.523	4.642	4.773	4.850	4.932	5.002	5.083	5.170	5.275	5.337	5.427	2.2%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Steam Coal	0.241	0.257	0.247	0.245	0.249	0.252	0.255	0.258	0.259	0.261	0.261	0.263	0.264	0.265	0.266	0.267	0.269	0.270	0.271	0.273	0.274	0.7%
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Coal Subtotal	0.241	0.257	0.247	0.245	0.249	0.252	0.255	0.258	0.259	0.261	0.261	0.263	0.264	0.265	0.266	0.267	0.269	0.270	0.271	0.273	0.274	0.7%
Nuclear Power	0.449	0.455	0.468	0.455	0.456	0.456	0.457	0.458	0.459	0.459	0.460	0.461	0.462	0.462	0.463	0.463	0.463	0.463	0.463	0.463	0.463	0.2%
Renewable Energy 17/	2.479	2.201	2.612	2.741	2.773	2.809	2.860	2.871	2.897	2.942	2.979	3.018	3.081	3.142	3.197	3.245	3.294	3.341	3.388	3.441	3.491	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Electricity Imports 16/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	11.977	11.912	12.287	12.700	12.990	13.223	13.559	13.764	14.057	14.317	14.591	14.896	15.202	15.499	15.760	15.989	16.226	16.456	16.709	16.950	17.188	1.8%
Energy Use & Related Statistics																						
Delivered Energy Use	9.849	9.827	10.061	10.338	10.567	10.777	10.991	11.186	11.394	11.612	11.842	12.076	12.297	12.501	12.700	12.893	13.100	13.302	13.517	13.721	13.913	1.7%
Total Energy Use	11.955	11.889	12.266	12.671	12.962	13.191	13.532	13.740	14.035	14.295	14.569	14.873	15.179	15.475	15.736	15.963	16.200	16.431	16.683	16.925	17.162	1.8%
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	51.590	52.147	52.707	53.267	53.829	54.392	54.954	55.515	1.1%
US GDP (billion 1996 dollars)	9224	9319	9523	9826	10103	10418	10719	11046	11442	11867	12312	12777	13166	13560	13973	14399	14835	15287	15717	16138	16525	3.0%
Carbon Dioxide Emissions																						
(million metric tons carbon equivalent)	1561.7	1560.8	1583.9	1631.3	1662.2	1693.5	1724.4	1755.8	1780.9	1806.5	1834.7	1865.1	1892.0	1917.9	1941.0	1965.4	1990.6	2015.6	2039.3	2064.3	2087.8	1.5%

1/ Includes wood used for residential heating.

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 cogeneration.

5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.

6/ Includes lease and plant fuel and consumption by cogenerators; excludes consumption by nonutility generators.

7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass; includes cogeneration, both for sale to the grid and for own use.

8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.

9/ Includes only kerosene type.

10/ Includes aviation gas 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 all electric power generators for grid-connected power except cogenerators, which produce electricity and other useful thermal energy. 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 cogeneration. Excludes net electricity imports.

16/ In 1999 approximately 70 percent of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions for the fuel source of imported electricity.

17/ 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 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 electric utility fuel consumption: EIA, Electric Power Annual 1999, Volume I, DOE/EIA-0348(99)/1 (Washington, DC, August 2000). 2000 nonutility consumption estimates: EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility." Other 2000 values: EIA, Short-Term Energy Outlook, October 2001, http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/oct01.pdf. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 10. Energy Consumption by Sector and Source (1 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
United States

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Energy Consumption																						
Residential																						
Distillate Fuel	0.83	0.87	0.86	0.87	0.86	0.85	0.84	0.83	0.82	0.80	0.79	0.78	0.78	0.77	0.76	0.75	0.74	0.74	0.73	0.73	0.73	-0.6%
Kerosene	0.09	0.09	0.09	0.09	0.08	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	0.07	0.07	0.07	-1.5%
Liquefied Petroleum Gas	0.47	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.45	0.45	0.45	0.44	0.44	0.43	0.43	0.42	0.42	0.41	0.41	0.41	0.41	-0.7%
Petroleum Subtotal	1.38	1.40	1.39	1.39	1.39	1.37	1.36	1.35	1.34	1.32	1.30	1.29	1.28	1.27	1.25	1.24	1.23	1.22	1.21	1.20	1.20	-0.7%
Natural Gas	5.14	5.19	5.37	5.48	5.54	5.53	5.55	5.59	5.63	5.65	5.68	5.73	5.79	5.81	5.85	5.89	5.95	5.97	6.02	6.08	6.15	0.9%
Coal	0.04	0.04	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	0.05	0.05	0.05	0.05	0.05	0.05	0.6%
Renewable Energy 1/	0.43	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.45	0.2%
Electricity	4.07	4.20	4.30	4.45	4.55	4.62	4.68	4.74	4.81	4.86	4.92	4.99	5.08	5.14	5.22	5.30	5.39	5.45	5.52	5.61	5.70	1.7%
Delivered Energy	11.06	11.26	11.53	11.80	11.95	11.99	12.07	12.15	12.26	12.31	12.40	12.50	12.64	12.70	12.81	12.92	13.06	13.13	13.25	13.38	13.55	1.0%
Electricity Related Losses	8.79	8.99	9.19	9.51	9.60	9.72	9.79	9.76	9.79	9.80	9.85	9.90	10.00	10.08	10.16	10.25	10.34	10.41	10.50	10.60	10.72	1.0%
Total	19.85	20.25	20.72	21.30	21.56	21.71	21.86	21.91	22.05	22.11	22.24	22.40	22.64	22.78	22.97	23.17	23.40	23.54	23.75	23.98	24.27	1.0%
Commercial																						
Distillate Fuel	0.38	0.40	0.40	0.41	0.41	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	0.42	0.42	0.42	0.5%
Residual Fuel	0.14	0.11	0.11	0.11	0.11	0.12	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	0.13	0.13	-0.1%
Kerosene	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.2%
Liquefied Petroleum Gas	0.08	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	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.9%
Motor Gasoline 2/	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-0.5%
Petroleum Subtotal	0.65	0.64	0.65	0.66	0.67	0.67	0.68	0.68	0.69	0.69	0.69	0.70	0.70	0.70	0.70	0.70	0.70	0.71	0.71	0.71	0.71	0.4%
Natural Gas	3.36	3.41	3.53	3.66	3.74	3.77	3.82	3.88	3.93	3.98	4.04	4.10	4.15	4.21	4.27	4.33	4.39	4.45	4.51	4.58	4.64	1.6%
Coal	0.07	0.06	0.06	0.06	0.06	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	0.08	0.08	0.08	0.7%
Renewable Energy 3/	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	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.0%
Electricity	3.90	4.00	4.07	4.21	4.34	4.46	4.58	4.69	4.81	4.92	5.03	5.15	5.26	5.38	5.50	5.62	5.72	5.83	5.93	6.03	6.13	2.3%
Delivered Energy	8.07	8.18	8.39	8.67	8.89	9.05	9.22	9.40	9.56	9.73	9.91	10.09	10.26	10.44	10.62	10.80	10.97	11.14	11.30	11.47	11.64	1.9%
Electricity Related Losses	8.42	8.56	8.70	8.99	9.16	9.38	9.57	9.67	9.78	9.92	10.06	10.21	10.37	10.56	10.71	10.85	10.98	11.13	11.26	11.40	11.53	1.6%
Total	16.49	16.74	17.09	17.66	18.04	18.42	18.79	19.06	19.34	19.65	19.98	20.30	20.63	21.00	21.33	21.65	21.95	22.27	22.57	22.88	23.18	1.7%
Industrial 4/																						
Distillate Fuel	1.11	1.10	1.10	1.13	1.15	1.17	1.17	1.17	1.18	1.20	1.22	1.24	1.25	1.27	1.28	1.29	1.31	1.32	1.34	1.36	1.38	1.1%
Liquefied Petroleum Gas	2.36	2.20	2.35	2.43	2.47	2.50	2.51	2.56	2.58	2.62	2.66	2.73	2.76	2.80	2.84	2.85	2.86	2.87	2.90	2.96	3.00	1.2%
Petrochemical Feedstocks	1.32	1.15	1.28	1.31	1.34	1.36	1.37	1.40	1.42	1.44	1.45	1.49	1.51	1.52	1.54	1.54	1.55	1.56	1.57	1.58	1.59	0.9%
Residual Fuel	0.27	0.19	0.16	0.15	0.17	0.18	0.20	0.21	0.23	0.23	0.23	0.23	0.23	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.1%
Motor Gasoline 2/	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.27	1.2%
Other Petroleum 5/	3.96	3.97	4.12	4.25	4.29	4.36	4.45	4.55	4.60	4.66	4.77	4.86	4.87	4.91	4.95	4.99	5.02	5.04	5.08	5.13	5.17	1.3%
Petroleum Subtotal	9.23	8.83	9.22	9.50	9.64	9.80	9.92	10.11	10.23	10.38	10.57	10.79	10.86	11.00	11.12	11.19	11.26	11.31	11.42	11.57	11.69	1.2%
Natural Gas 6/	9.79	9.04	9.89	10.17	10.29	10.43	10.63	10.77	10.89	11.05	11.19	11.35	11.49	11.56	11.64	11.77	11.90	12.01	12.10	12.13	12.19	1.1%
Metallurgical Coal	0.77	0.71	0.72	0.71	0.70	0.69	0.68	0.68	0.67	0.66	0.64	0.63	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54	-1.8%
Steam Coal	1.69	1.69	1.65	1.68	1.70	1.72	1.73	1.74	1.73	1.74	1.74	1.76	1.77	1.78	1.78	1.79	1.80	1.82	1.83	1.84	1.85	0.5%
Net Coal Coke Imports	0.06	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.09	0.10	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.16	0.16	4.6%
Coal Subtotal	2.53	2.45	2.41	2.45	2.47	2.49	2.49	2.50	2.50	2.50	2.50	2.51	2.51	2.51	2.51	2.51	2.52	2.53	2.54	2.55	2.55	0.0%
Renewable Energy 7/	2.41	2.41	2.47	2.54	2.59	2.66	2.72	2.78	2.79	2.84	2.89	2.97	3.03	3.08	3.13	3.18	3.24	3.29	3.34	3.39	3.43	1.8%
Electricity	3.65	3.49	3.51	3.63	3.71	3.80	3.87	3.97	4.03	4.10	4.20	4.29	4.36	4.42	4.48	4.53	4.59	4.65	4.72	4.78	4.83	1.4%
Delivered Energy	27.62	26.22	27.51	28.30	28.71	29.17	29.63	30.13	30.44	30.87	31.35	31.91	32.24	32.57	32.88	33.19	33.50	33.79	34.12	34.41	34.69	1.1%
Electricity Related Losses	7.89	7.48	7.51	7.76	7.83	7.98	8.10	8.17	8.21	8.28	8.39	8.52	8.58	8.66	8.71	8.76	8.81	8.89	8.96	9.03	9.08	0.7%
Total	35.50	33.69	35.02	36.05	36.54	37.15	37.74	38.30	38.65	39.14	39.74	40.43	40.82	41.24	41.59	41.96	42.31	42.67	43.08	43.44	43.76	1.1%

Table 10. Energy Consumption by Sector and Source (2 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
United States

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Transportation																						
Distillate Fuel 8/	5.42	5.60	5.71	5.94	6.14	6.35	6.50	6.68	6.86	7.07	7.27	7.49	7.66	7.82	7.96	8.09	8.22	8.36	8.49	8.61	8.72	2.4%
Jet Fuel 9/	3.58	3.49	3.58	3.69	3.78	3.88	3.96	4.06	4.18	4.32	4.46	4.60	4.73	4.86	4.99	5.12	5.26	5.40	5.55	5.69	5.82	2.5%
Motor Gasoline 2/	16.05	16.19	16.53	17.02	17.35	17.67	17.95	18.26	18.61	18.98	19.32	19.67	20.01	20.32	20.60	20.86	21.13	21.39	21.64	21.90	22.12	1.6%
Residual Fuel	1.14	1.03	1.06	1.06	1.06	1.07	1.07	1.07	1.07	1.08	1.08	1.08	1.08	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10	-0.2%
Liquefied Petroleum Gas	0.02	0.02	0.02	0.02	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	0.04	0.05	0.05	0.05	4.6%
Other Petroleum 10/	0.22	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.29	0.29	0.29	1.4%
Petroleum Subtotal	26.42	26.58	27.15	27.98	28.60	29.24	29.77	30.36	31.02	31.73	32.43	33.15	33.79	34.40	34.95	35.48	36.03	36.58	37.11	37.64	38.11	1.8%
Pipeline Fuel Natural Gas	0.79	0.79	0.77	0.79	0.80	0.80	0.81	0.82	0.83	0.84	0.86	0.89	0.90	0.92	0.93	0.95	0.97	0.98	1.00	1.01	1.02	1.3%
Compressed Natural Gas	0.02	0.03	0.04	0.04	0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.14	9.8%
Renewable Energy (E85) 11/	0.02	0.02	0.02	0.02	0.02	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	0.04	0.05	0.05	5.0%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electricity	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.11	0.11	3.1%
Delivered Energy	27.32	27.49	28.04	28.91	29.54	30.19	30.74	31.35	32.04	32.77	33.50	34.26	34.93	35.56	36.13	36.69	37.27	37.84	38.39	38.95	39.43	1.9%
Electricity Related Losses	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.21	2.4%
Total	27.45	27.62	28.18	29.05	29.68	30.33	30.89	31.50	32.19	32.93	33.66	34.42	35.09	35.73	36.31	36.87	37.45	38.03	38.59	39.15	39.64	1.9%
Delivered Energy Consumption, All Sectors																						
Distillate Fuel	7.73	7.97	8.07	8.34	8.56	8.78	8.93	9.10	9.29	9.49	9.70	9.93	10.11	10.28	10.42	10.55	10.69	10.84	10.98	11.12	11.24	1.9%
Kerosene	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	-0.6%
Jet Fuel 9/	3.58	3.49	3.58	3.69	3.78	3.88	3.96	4.06	4.18	4.32	4.46	4.60	4.73	4.86	4.99	5.12	5.26	5.40	5.55	5.69	5.82	2.5%
Liquefied Petroleum Gas	2.93	2.73	2.89	2.98	3.02	3.05	3.06	3.12	3.14	3.19	3.23	3.30	3.33	3.36	3.40	3.41	3.42	3.42	3.46	3.52	3.56	1.0%
Motor Gasoline 2/	16.29	16.43	16.78	17.27	17.60	17.93	18.21	18.52	18.87	19.24	19.59	19.94	20.28	20.60	20.87	21.14	21.41	21.67	21.93	22.19	22.42	1.6%
Petrochemical Feedstocks	1.32	1.15	1.28	1.31	1.34	1.36	1.37	1.40	1.42	1.44	1.45	1.49	1.51	1.52	1.54	1.54	1.55	1.56	1.57	1.58	1.59	0.9%
Residual Fuel	1.54	1.33	1.33	1.33	1.35	1.37	1.38	1.40	1.42	1.43	1.43	1.43	1.43	1.47	1.48	1.48	1.48	1.49	1.49	1.49	1.51	-0.1%
Other Petroleum 12/	4.16	4.19	4.34	4.48	4.52	4.59	4.67	4.78	4.83	4.90	5.01	5.11	5.11	5.16	5.20	5.25	5.27	5.30	5.35	5.40	5.44	1.4%
Petroleum Subtotal	37.69	37.45	38.41	39.54	40.29	41.07	41.72	42.49	43.28	44.12	45.00	45.93	46.64	47.37	48.02	48.61	49.22	49.81	50.45	51.12	51.71	1.6%
Natural Gas 6/	19.11	18.46	19.60	20.15	20.42	20.58	20.88	21.12	21.35	21.60	21.87	22.16	22.44	22.60	22.80	23.06	23.32	23.55	23.77	23.93	24.14	1.2%
Metallurgical Coal	0.77	0.71	0.72	0.71	0.70	0.69	0.68	0.68	0.67	0.66	0.64	0.63	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54	-1.8%
Steam Coal	1.80	1.80	1.75	1.79	1.82	1.83	1.84	1.85	1.85	1.86	1.86	1.88	1.89	1.90	1.90	1.91	1.93	1.94	1.96	1.97	1.98	0.5%
Net Coal Coke Imports	0.06	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.09	0.10	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.16	0.16	4.6%
Coal Subtotal	2.64	2.55	2.52	2.56	2.58	2.60	2.61	2.61	2.61	2.62	2.62	2.63	2.63	2.64	2.63	2.64	2.65	2.65	2.66	2.67	2.68	0.1%
Renewable Energy 13/	2.93	2.93	3.00	3.06	3.12	3.19	3.26	3.32	3.34	3.39	3.44	3.52	3.58	3.64	3.69	3.74	3.80	3.86	3.91	3.96	4.00	1.6%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electricity	11.69	11.75	11.95	12.35	12.66	12.94	13.20	13.47	13.72	13.96	14.23	14.51	14.78	15.03	15.29	15.54	15.80	16.02	16.27	16.52	16.77	1.8%
Delivered Energy	74.06	73.14	75.47	77.66	79.08	80.39	81.67	83.03	84.31	85.69	87.15	88.75	90.07	91.28	92.44	93.60	94.79	95.89	97.06	98.21	99.31	1.5%
Electricity Related Losses	25.23	25.16	25.54	26.39	26.74	27.22	27.61	27.75	27.93	28.14	28.46	28.79	29.11	29.48	29.75	30.04	30.31	30.62	30.92	31.23	31.54	1.1%
Total	99.29	98.30	101.01	104.05	105.82	107.61	109.28	110.78	112.23	113.83	115.61	117.55	119.18	120.75	122.19	123.64	125.11	126.51	127.98	129.44	130.85	1.4%
Electric Generators 14/																						
Distillate Fuel	0.08	0.10	0.06	0.07	0.07	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.05	0.05	0.06	0.05	0.06	0.05	0.05	0.08	0.06	-0.9%
Residual Fuel	0.86	0.98	0.30	0.28	0.30	0.26	0.24	0.18	0.17	0.16	0.16	0.15	0.16	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.22	-6.7%
Petroleum Subtotal	0.93	1.08	0.36	0.35	0.37	0.32	0.30	0.23	0.22	0.21	0.21	0.20	0.21	0.23	0.24	0.24	0.25	0.25	0.26	0.29	0.28	-5.9%
Natural Gas	4.32	4.35	4.91	5.22	5.43	5.58	5.80	6.00	6.31	6.57	6.98	7.51	7.90	8.31	8.72	9.08	9.36	9.68	10.02	10.25	10.49	4.5%
Steam Coal	19.69	19.82	19.89	20.52	20.89	21.44	21.93	22.42	22.55	22.69	22.80	22.89	23.05	23.21	23.33	23.52	23.75	23.99	24.15	24.40	24.67	1.1%
Nuclear Power	8.03	8.15	8.13	8.08	8.09	8.10	8.11	7.92	7.90	7.91	7.87	7.81	7.75	7.71	7.68	7.55	7.55	7.49	7.49	7.49	7.49	-0.3%
Renewable Energy 15/	3.55	3.13	3.84	4.06	4.13	4.18	4.23	4.25	4.30	4.36	4.46	4.50	4.56	4.62	4.67	4.74	4.75	4.79	4.83	4.89	4.94	1.7%
Electricity Imports 16/	0.38	0.38	0.36	0.49	0.48	0.54	0.45	0.41	0.38	0.37	0.38	0.40	0.41	0.42	0.41	0.45	0.45	0.44	0.44	0.43	0.44	0.7%
Total	36.92	36.91	37.49	38.74	39.40	40.16	40.81	41.22	41.65	42.10	42.69	43.30	43.89	44.50	45.04	45.58	46.11	46.64	47.19	47.75	48.32	1.4%

Table 10. Energy Consumption by Sector and Source (3 of 3)
(Quadrillion Btu per Year, Unless Otherwise Noted)
United States

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Total Energy Consumption																						
Distillate Fuel	7.80	8.07	8.13	8.41	8.63	8.84	8.98	9.15	9.34	9.54	9.75	9.98	10.16	10.33	10.48	10.61	10.75	10.89	11.04	11.20	11.31	1.9%
Kerosene	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	-0.6%
Jet Fuel 9/	3.58	3.49	3.58	3.69	3.78	3.88	3.96	4.06	4.18	4.32	4.46	4.60	4.73	4.86	4.99	5.12	5.26	5.40	5.55	5.69	5.82	2.5%
Liquefied Petroleum Gas	2.93	2.73	2.89	2.98	3.02	3.05	3.06	3.12	3.14	3.19	3.23	3.30	3.33	3.36	3.40	3.41	3.42	3.42	3.46	3.52	3.56	1.0%
Motor Gasoline 2/	16.29	16.43	16.78	17.27	17.60	17.93	18.21	18.52	18.87	19.24	19.59	19.94	20.28	20.60	20.87	21.14	21.41	21.67	21.93	22.19	22.42	1.6%
Petrochemical Feedstocks	1.32	1.15	1.28	1.31	1.34	1.36	1.37	1.40	1.42	1.44	1.45	1.49	1.51	1.52	1.54	1.54	1.55	1.56	1.57	1.58	1.59	0.9%
Residual Fuel	2.40	2.31	1.63	1.61	1.65	1.63	1.62	1.58	1.59	1.59	1.59	1.58	1.59	1.65	1.66	1.67	1.68	1.68	1.69	1.70	1.72	-1.6%
Other Petroleum 12/	4.16	4.19	4.34	4.48	4.52	4.59	4.67	4.78	4.83	4.90	5.01	5.11	5.11	5.16	5.20	5.25	5.27	5.30	5.35	5.40	5.44	1.4%
Petroleum Subtotal	38.63	38.53	38.76	39.89	40.66	41.40	42.02	42.73	43.50	44.33	45.20	46.13	46.84	47.60	48.26	48.85	49.47	50.06	50.70	51.41	51.99	1.5%
Natural Gas	23.43	22.81	24.51	25.37	25.86	26.16	26.67	27.12	27.66	28.17	28.85	29.67	30.34	30.92	31.52	32.14	32.69	33.22	33.79	34.18	34.63	2.0%
Metallurgical Coal	0.77	0.71	0.72	0.71	0.70	0.69	0.68	0.68	0.67	0.66	0.64	0.63	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54	-1.8%
Steam Coal	21.50	21.62	21.65	22.31	22.71	23.27	23.77	24.27	24.40	24.55	24.66	24.77	24.95	25.11	25.24	25.43	25.68	25.93	26.10	26.37	26.65	1.1%
Net Coal Coke Imports	0.06	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.09	0.10	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.16	0.16	4.6%
Coal Subtotal	22.34	22.37	22.41	23.08	23.48	24.03	24.53	25.03	25.16	25.30	25.41	25.52	25.69	25.85	25.97	26.16	26.39	26.65	26.81	27.08	27.35	1.0%
Nuclear Power	8.03	8.15	8.13	8.08	8.09	8.10	8.11	7.92	7.90	7.91	7.87	7.81	7.75	7.71	7.68	7.55	7.55	7.49	7.49	7.49	7.49	-0.3%
Renewable Energy 17/	6.48	6.06	6.84	7.13	7.25	7.37	7.49	7.57	7.64	7.75	7.90	8.01	8.14	8.25	8.35	8.48	8.55	8.65	8.74	8.84	8.94	1.6%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electricity Imports 16/	0.38	0.38	0.36	0.49	0.48	0.54	0.45	0.41	0.38	0.37	0.38	0.40	0.41	0.42	0.41	0.45	0.45	0.44	0.44	0.43	0.44	0.7%
Total	99.29	98.30	101.01	104.05	105.82	107.61	109.28	110.78	112.23	113.83	115.61	117.55	119.18	120.75	122.19	123.64	125.11	126.51	127.98	129.44	130.85	1.4%
Energy Use & Related Statistics																						
Delivered Energy Use	74.06	73.14	75.47	77.66	79.08	80.39	81.67	83.03	84.31	85.69	87.15	88.75	90.07	91.28	92.44	93.60	94.79	95.89	97.06	98.21	99.31	1.5%
Total Energy Use	99.29	98.30	101.01	104.05	105.82	107.61	109.28	110.78	112.23	113.83	115.61	117.55	119.18	120.75	122.19	123.64	125.11	126.51	127.98	129.44	130.85	1.4%
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	307.64	310.14	312.66	315.19	317.72	320.26	322.79	325.33	0.8%
US GDP (billion 1996 dollars)	9224	9319	9523	9826	10103	10418	10719	11046	11442	11867	12312	12777	13166	13560	13973	14399	14835	15287	15717	16138	16525	3.0%
Carbon Dioxide Emissions																						
(million metric tons carbon equivalent)	1561.7	1560.8	1583.9	1631.3	1662.2	1693.5	1724.4	1755.8	1780.9	1806.5	1834.7	1865.1	1892.0	1917.9	1941.0	1965.4	1990.6	2015.6	2039.3	2064.3	2087.8	1.5%

1/ Includes wood used for residential heating.

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 cogeneration.

5/ Includes petroleum coke, asphalt, road oil, lubricants, still gas, and miscellaneous petroleum products.

6/ Includes lease and plant fuel and consumption by cogenerators; excludes consumption by nonutility generators.

7/ Includes consumption of energy from hydroelectric, wood and wood waste, municipal solid waste, and other biomass; includes cogeneration, both for sale to the grid and for own use.

8/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur.

9/ Includes only kerosene type.

10/ Includes aviation gas 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 all electric power generators for grid-connected power except cogenerators, which produce electricity and other useful thermal energy. 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 cogeneration. Excludes net electricity imports.

16/ In 1999 approximately 70 percent of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions for the fuel source of imported electricity.

17/ 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 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 electric utility fuel consumption: EIA, Electric Power Annual 1999, Volume I, DOE/EIA-0348(99)/1 (Washington, DC, August 2000). 2000 nonutility consumption estimates: EIA, Form EIA-860B: "Annual Electric Generator Report - Nonutility." Other 2000 values: EIA, Short-Term Energy Outlook, October 2001, http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/oct01.pdf. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 11. Energy Prices by Sector and Source (1 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
New England

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Residential	15.19	15.65	14.34	13.87	13.97	13.97	13.89	13.82	13.80	13.97	14.09	14.19	14.25	14.44	14.59	14.66	14.76	14.84	14.93	15.01	15.05	0.0%
Primary Energy 1/	9.83	10.04	8.69	8.51	8.59	8.62	8.61	8.59	8.59	8.67	8.73	8.74	8.74	8.83	8.94	8.95	8.96	8.98	8.99	9.01	9.02	-0.4%
Petroleum Products 2/	9.79	9.34	8.67	8.27	8.32	8.33	8.33	8.30	8.31	8.46	8.57	8.58	8.60	8.75	8.94	8.95	8.96	8.97	8.98	9.00	9.01	-0.4%
Distillate Fuel	9.23	8.93	8.20	7.52	7.56	7.58	7.58	7.54	7.55	7.71	7.81	7.83	7.86	8.03	8.24	8.26	8.28	8.30	8.32	8.34	8.36	-0.5%
Liquefied Petroleum Gas	16.25	15.45	15.21	16.46	16.64	16.55	16.58	16.62	16.65	16.69	16.83	16.86	16.98	16.92	16.96	16.92	16.89	16.85	16.88	16.92	16.95	0.2%
Natural Gas	9.91	11.30	8.72	8.93	9.07	9.14	9.09	9.08	9.07	9.03	9.00	9.01	8.98	8.97	8.97	8.97	8.98	9.00	9.03	9.04	9.07	-0.4%
Electricity	34.04	35.50	33.85	31.84	31.65	31.15	30.55	29.98	29.62	29.77	29.82	30.00	30.05	30.37	30.37	30.44	30.62	30.72	30.90	31.02	30.97	-0.5%
Commercial	15.16	15.83	13.82	13.25	13.30	13.10	12.94	12.78	12.65	12.75	12.80	12.89	12.96	13.19	13.29	13.38	13.50	13.60	13.76	13.91	13.99	-0.4%
Primary Energy 1/	7.23	7.74	6.26	6.30	6.39	6.43	6.42	6.41	6.41	6.46	6.48	6.50	6.51	6.57	6.65	6.67	6.69	6.71	6.74	6.77	6.80	-0.3%
Petroleum Products 2/	6.86	6.31	6.00	5.81	5.85	5.86	5.86	5.83	5.83	5.96	6.04	6.05	6.08	6.21	6.37	6.39	6.40	6.41	6.43	6.44	6.46	-0.3%
Distillate Fuel	7.35	6.32	6.07	5.83	5.88	5.90	5.89	5.86	5.87	6.03	6.13	6.14	6.17	6.34	6.56	6.58	6.60	6.62	6.63	6.66	6.67	-0.5%
Residual Fuel	3.01	3.74	3.44	3.34	3.40	3.40	3.43	3.44	3.45	3.48	3.49	3.51	3.53	3.56	3.58	3.60	3.63	3.65	3.67	3.70	3.72	1.1%
Natural Gas 3/	7.64	9.16	6.54	6.78	6.92	6.99	6.96	6.96	6.95	6.92	6.89	6.91	6.89	6.89	6.91	6.92	6.94	6.97	7.00	7.03	7.07	-0.4%
Electricity	28.55	28.66	25.89	24.25	24.05	23.29	22.75	22.23	21.77	21.84	21.83	21.95	22.01	22.41	22.47	22.62	22.85	23.04	23.36	23.66	23.81	-0.9%
Industrial 4/	8.26	8.67	7.08	6.90	6.94	6.84	6.73	6.64	6.54	6.59	6.65	6.71	6.74	6.84	6.90	6.97	7.03	7.07	7.15	7.24	7.29	-0.6%
Primary Energy	5.34	5.52	4.14	4.29	4.42	4.49	4.50	4.54	4.56	4.60	4.65	4.68	4.70	4.74	4.79	4.82	4.85	4.85	4.88	4.92	4.95	-0.4%
Petroleum Products 2/	5.54	5.44	5.21	5.14	5.15	5.13	5.11	5.10	5.09	5.16	5.25	5.29	5.33	5.41	5.50	5.54	5.58	5.53	5.56	5.60	5.63	0.1%
Distillate Fuel	7.38	6.40	6.17	5.94	5.99	6.01	6.00	5.97	5.98	6.14	6.24	6.25	6.29	6.45	6.67	6.69	6.71	6.73	6.75	6.77	6.78	-0.4%
Liquefied Petroleum Gas	10.72	11.36	11.12	11.21	11.40	11.30	11.34	11.37	11.41	11.45	11.59	11.62	11.73	11.68	11.71	11.68	11.64	11.61	11.64	11.68	11.71	0.4%
Residual Fuel	3.02	3.73	3.42	3.33	3.39	3.39	3.42	3.42	3.44	3.46	3.48	3.49	3.51	3.55	3.57	3.59	3.61	3.64	3.66	3.68	3.70	1.0%
Natural Gas 5/	5.30	5.70	3.51	3.81	4.01	4.13	4.16	4.22	4.27	4.28	4.31	4.33	4.33	4.35	4.37	4.41	4.44	4.47	4.51	4.55	4.60	-0.7%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Steam Coal	2.29	2.31	2.26	2.23	2.23	2.19	2.16	2.14	2.12	2.10	2.09	2.10	2.08	2.05	2.04	2.02	2.00	1.98	1.95	1.93	1.91	-0.9%
Electricity	22.64	23.12	21.33	19.66	19.28	18.36	17.66	16.92	16.19	16.25	16.30	16.40	16.49	16.87	16.94	17.10	17.28	17.46	17.75	18.02	18.15	-1.1%
Transportation	12.37	12.14	11.12	10.87	10.86	10.79	10.94	11.00	11.02	11.04	11.07	11.07	11.04	11.05	11.04	11.03	11.02	10.96	10.94	10.94	10.92	-0.6%
Primary Energy	12.31	12.08	11.07	10.82	10.82	10.76	10.91	10.97	10.98	11.00	11.03	11.03	11.00	11.01	11.00	10.98	10.97	10.91	10.89	10.89	10.87	-0.6%
Petroleum Products 2/	12.31	12.08	11.07	10.82	10.82	10.76	10.91	10.96	10.98	11.00	11.03	11.03	11.00	11.01	11.00	10.98	10.97	10.91	10.89	10.89	10.87	-0.6%
Distillate Fuel 6/	11.66	11.30	10.68	9.79	9.76	9.77	10.03	10.41	10.56	10.62	10.78	10.81	10.70	10.76	10.69	10.71	10.72	10.46	10.40	10.40	10.37	-0.6%
Jet Fuel 7/	7.82	6.26	6.03	6.04	6.06	6.09	6.06	6.11	6.12	6.29	6.38	6.46	6.45	6.55	6.64	6.68	6.67	6.64	6.64	6.64	6.64	-0.8%
Motor Gasoline 8/	13.01	12.93	11.74	11.61	11.61	11.52	11.67	11.66	11.65	11.66	11.65	11.65	11.63	11.62	11.62	11.60	11.59	11.57	11.57	11.57	11.56	-0.6%
Residual Fuel	2.98	3.30	2.99	2.77	2.85	2.83	2.87	2.86	2.88	2.91	2.93	2.93	2.96	3.00	3.02	3.04	3.06	3.09	3.11	3.14	3.16	0.3%
Liquefied Petroleum Gas 9/	14.36	13.04	12.80	14.84	14.99	14.86	14.86	14.86	14.86	14.87	14.98	14.98	15.07	14.98	14.99	14.92	14.86	14.79	14.79	14.80	14.80	0.1%
Natural Gas 10/	9.41	9.69	7.40	7.61	7.76	7.86	7.89	7.96	8.01	8.03	8.06	8.08	8.08	8.09	8.10	8.12	8.14	8.15	8.17	8.18	8.20	-0.7%
Ethanol (E85) 11/	17.33	17.33	17.33	20.61	21.35	20.84	21.23	21.22	21.22	21.72	22.23	22.33	23.16	23.24	23.31	23.36	23.42	22.85	22.95	23.05	23.16	1.5%
Electricity	31.98	30.32	28.63	25.07	23.83	22.44	22.24	22.47	22.71	23.27	23.66	24.08	24.39	24.90	25.08	25.14	25.04	24.84	24.72	24.49	24.06	-1.4%
Average End-Use Energy	12.64	12.97	11.57	11.22	11.25	11.16	11.14	11.09	11.05	11.11	11.16	11.20	11.21	11.31	11.36	11.39	11.44	11.45	11.50	11.55	11.58	-0.4%
Primary Energy	9.81	9.96	8.71	8.59	8.64	8.64	8.71	8.74	8.76	8.81	8.85	8.87	8.87	8.91	8.95	8.96	8.96	8.94	8.95	8.96	8.97	-0.4%
Electricity	29.25	30.07	27.98	26.20	25.96	25.24	24.63	24.04	23.56	23.64	23.65	23.77	23.84	24.19	24.23	24.35	24.55	24.69	24.95	25.17	25.25	-0.7%
Electric Generators 12/																						
Fossil Fuel Average	3.44	3.53	2.63	2.79	2.91	2.94	2.92	2.96	3.00	3.01	3.03	3.09	3.10	3.15	3.18	3.21	3.24	3.27	3.30	3.34	3.36	-0.1%
Petroleum Products	3.86	3.75	3.54	3.37	3.41	3.43	3.44	3.46	3.48	3.51	3.54	3.57	3.58	3.60	3.63	3.65	3.67	3.69	3.70	3.73	3.74	-0.2%
Distillate Fuel	6.82	5.39	5.16	4.94	4.98	5.00	5.00	4.96	4.97	5.13	5.23	5.25	5.28	5.45	5.66	5.68	5.70	5.72	5.74	5.76	5.78	-0.8%
Residual Fuel	3.83	3.64	3.34	3.23	3.30	3.29	3.32	3.32	3.34	3.36	3.38	3.39	3.42	3.45	3.47	3.49	3.52	3.54	3.56	3.59	3.61	-0.3%
Natural Gas	4.60	4.81	3.02	3.34	3.57	3.68	3.68	3.73	3.76	3.76	3.77	3.80	3.81	3.83	3.86	3.90	3.93	3.97	4.01	4.05	4.10	-0.6%
Steam Coal	1.68	1.72	1.63	1.67	1.65	1.60	1.56	1.55	1.54	1.53	1.52	1.56	1.55	1.52	1.51	1.50	1.49	1.47	1.45	1.44	1.43	-0.8%

Table 11. Energy Prices by Sector and Source (2 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
New England

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Average Price to All Users 13/																						
Petroleum Products 2/	9.88	9.72	9.49	9.18	9.12	9.16	9.24	9.33	9.37	9.43	9.49	9.53	9.52	9.54	9.59	9.59	9.59	9.55	9.54	9.54	9.54	-0.2%
Distillate Fuel	9.53	8.99	8.46	7.82	7.86	7.89	7.98	8.10	8.18	8.33	8.47	8.51	8.51	8.66	8.79	8.82	8.84	8.77	8.77	8.79	8.79	-0.4%
Jet Fuel	7.82	6.26	6.03	6.04	6.06	6.09	6.06	6.11	6.12	6.29	6.38	6.46	6.45	6.55	6.64	6.68	6.67	6.64	6.64	6.64	6.64	-0.8%
Liquefied Petroleum Gas	15.36	14.76	14.48	15.52	15.69	15.58	15.60	15.62	15.64	15.66	15.78	15.78	15.87	15.79	15.80	15.75	15.69	15.64	15.65	15.66	15.68	0.1%
Motor Gasoline 8/	13.01	12.93	11.74	11.61	11.61	11.52	11.67	11.66	11.65	11.66	11.65	11.65	11.63	11.62	11.62	11.60	11.59	11.57	11.57	11.57	11.56	-0.6%
Residual Fuel	3.59	3.66	3.37	3.27	3.33	3.33	3.36	3.37	3.39	3.41	3.43	3.45	3.47	3.50	3.52	3.54	3.56	3.58	3.61	3.63	3.65	0.1%
Natural Gas	6.65	7.41	4.90	5.24	5.45	5.52	5.52	5.50	5.48	5.46	5.43	5.43	5.41	5.39	5.39	5.42	5.44	5.46	5.49	5.52	5.58	-0.9%
Coal	1.71	1.75	1.66	1.69	1.67	1.62	1.59	1.57	1.56	1.55	1.55	1.59	1.57	1.55	1.54	1.52	1.51	1.49	1.47	1.46	1.45	-0.8%
Ethanol (E85) 11/	17.33	17.33	17.33	20.61	21.35	20.84	21.23	21.22	21.22	21.72	22.23	22.33	23.16	23.24	23.31	23.36	23.42	22.85	22.95	23.05	23.16	1.5%
Electricity	29.25	30.07	27.98	26.20	25.96	25.24	24.63	24.04	23.56	23.64	23.65	23.77	23.84	24.19	24.23	24.35	24.55	24.69	24.95	25.17	25.25	-0.7%
Non-Renewable Energy Expenditures by																						
Sector (billion 2000 dollars)																						
Residential	9.75	10.39	9.55	9.36	9.48	9.45	9.38	9.31	9.32	9.38	9.42	9.50	9.58	9.69	9.78	9.84	9.95	9.99	10.09	10.18	10.27	0.3%
Commercial	5.75	6.10	5.40	5.32	5.44	5.43	5.43	5.43	5.45	5.55	5.63	5.73	5.82	5.98	6.07	6.17	6.28	6.38	6.51	6.64	6.75	0.8%
Industrial	4.36	4.08	3.53	3.54	3.62	3.63	3.63	3.64	3.64	3.71	3.79	3.88	3.93	4.03	4.09	4.15	4.22	4.27	4.35	4.43	4.49	0.1%
Transportation	12.70	12.60	11.79	11.85	12.05	12.19	12.53	12.79	13.03	13.29	13.55	13.79	13.95	14.14	14.29	14.42	14.55	14.62	14.73	14.87	14.96	0.8%
Total Non-Renewable Expenditures	32.56	33.17	30.26	30.07	30.60	30.70	30.98	31.18	31.43	31.93	32.39	32.89	33.28	33.84	34.23	34.58	34.99	35.26	35.69	36.12	36.47	0.6%
Transportation Renewable Expenditures	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	6.2%
Total Expenditures	32.57	33.19	30.28	30.09	30.63	30.73	31.01	31.21	31.46	31.96	32.43	32.93	33.32	33.88	34.28	34.62	35.04	35.31	35.73	36.17	36.52	0.6%

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/ Excludes independent power producers.

4/ Includes cogenerators.

5/ Excludes uses for lease and plant fuel.

6/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.

7/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.

8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.

9/ Includes Federal and State taxes while excluding county and local taxes.

10/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).

13/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

14/ 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 are model results and may differ slightly from official EIA data reports.

Sources: 2000 prices for gasoline, distillate, and jet fuel are based on the preliminary Petroleum Marketing Annual 2000, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (August 2001). 2000 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1997, DOE/EIA-0376(97) (Washington, DC, July 2000). 2000 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1994. 2000 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). 2000 coal prices based on EIA, Quarterly Coal Report, DOE/EIA-0121(2000/4Q) (Washington, DC, October-December 2000) and EIA. AEO2001 National Energy Modeling System run aeo2002.d102001b. 2000 electricity prices for commercial, industrial, and transportation: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 12. Energy Prices by Sector and Source (1 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
Middle Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Residential	14.48	15.01	12.87	12.90	13.07	13.09	12.99	12.99	13.02	13.12	13.29	13.42	13.50	13.59	13.69	13.79	13.90	13.99	14.09	14.18	14.28	-0.1%
Primary Energy 1/	9.19	9.92	7.96	8.02	8.13	8.17	8.14	8.11	8.11	8.14	8.15	8.17	8.19	8.25	8.31	8.34	8.35	8.38	8.41	8.43	8.46	-0.4%
Petroleum Products 2/	10.37	9.67	9.01	8.69	8.73	8.74	8.74	8.71	8.72	8.88	8.98	8.99	9.02	9.16	9.36	9.37	9.37	9.38	9.39	9.41	9.42	-0.5%
Distillate Fuel	9.82	9.31	8.58	7.91	7.95	7.98	7.97	7.94	7.85	8.11	8.21	8.22	8.25	8.42	8.64	8.66	8.68	8.70	8.71	8.73	8.75	-0.6%
Liquefied Petroleum Gas	16.94	15.43	15.19	16.89	17.08	16.98	17.01	17.05	17.08	17.12	17.26	17.29	17.41	17.36	17.39	17.35	17.32	17.28	17.31	17.35	17.38	0.1%
Natural Gas	8.81	10.16	7.60	7.83	7.99	8.04	8.00	7.99	7.99	7.97	7.95	7.99	8.01	8.03	8.06	8.09	8.11	8.15	8.19	8.21	8.25	-0.3%
Electricity	32.22	31.68	28.82	28.36	28.42	28.06	27.55	27.39	27.29	27.40	27.82	28.13	28.23	28.24	28.19	28.33	28.54	28.63	28.79	28.90	29.03	-0.5%
Commercial	14.56	14.99	12.52	12.54	12.62	12.46	12.25	12.20	12.12	12.15	12.37	12.53	12.64	12.72	12.76	12.89	13.00	13.07	13.20	13.29	13.39	-0.4%
Primary Energy 1/	5.57	6.63	4.66	4.82	4.95	5.00	4.99	4.98	5.00	5.01	5.01	5.05	5.08	5.13	5.19	5.23	5.25	5.29	5.32	5.35	5.40	-0.2%
Petroleum Products 2/	6.08	5.70	5.43	5.29	5.33	5.34	5.35	5.33	5.34	5.45	5.51	5.52	5.55	5.66	5.80	5.81	5.83	5.85	5.86	5.88	5.90	-0.1%
Distillate Fuel	7.09	6.04	5.81	5.53	5.57	5.59	5.58	5.55	5.56	5.72	5.82	5.84	5.87	6.04	6.25	6.27	6.29	6.31	6.33	6.35	6.37	-0.5%
Residual Fuel	3.63	4.15	3.85	4.00	4.03	4.04	4.06	4.08	4.09	4.11	4.13	4.14	4.16	4.18	4.20	4.22	4.24	4.26	4.28	4.31	4.33	0.9%
Natural Gas 3/	5.38	6.99	4.40	4.67	4.84	4.90	4.88	4.88	4.90	4.88	4.87	4.91	4.94	4.98	5.02	5.06	5.09	5.14	5.18	5.22	5.27	-0.1%
Electricity	28.25	26.98	24.16	24.01	23.94	23.30	22.67	22.45	22.17	22.14	22.61	22.93	23.13	23.22	23.21	23.48	23.76	23.94	24.23	24.48	24.73	-0.7%
Industrial 4/	6.64	6.25	5.11	5.28	5.44	5.48	5.48	5.62	5.68	5.77	5.95	6.06	6.14	6.21	6.28	6.34	6.40	6.42	6.51	6.58	6.63	0.0%
Primary Energy	4.95	4.58	3.65	3.85	3.96	4.01	4.05	4.18	4.24	4.32	4.43	4.49	4.54	4.60	4.66	4.70	4.73	4.71	4.78	4.81	4.83	-0.1%
Petroleum Products 2/	6.43	5.57	5.29	5.40	5.45	5.46	5.50	5.74	5.80	5.93	6.13	6.22	6.27	6.37	6.46	6.47	6.51	6.42	6.50	6.51	6.47	0.0%
Distillate Fuel	7.30	6.14	5.91	5.68	5.72	5.74	5.74	5.70	5.71	5.87	5.97	5.99	6.02	6.19	6.40	6.42	6.44	6.46	6.48	6.50	6.52	-0.6%
Liquefied Petroleum Gas	12.34	11.44	11.19	11.60	11.79	11.69	11.73	11.76	11.80	11.83	11.98	12.01	12.12	12.07	12.10	12.07	12.03	12.00	12.03	12.07	12.10	-0.1%
Residual Fuel	3.37	3.97	3.67	3.81	3.84	3.85	3.87	3.88	3.90	3.92	3.94	3.95	3.97	3.99	4.01	4.03	4.05	4.07	4.09	4.12	4.14	1.0%
Natural Gas 5/	5.59	5.50	3.33	3.63	3.84	3.94	3.98	4.03	4.09	4.12	4.16	4.21	4.25	4.29	4.34	4.39	4.42	4.47	4.51	4.56	4.61	-1.0%
Metallurgical Coal	1.53	1.56	1.55	1.53	1.52	1.51	1.50	1.50	1.48	1.48	1.48	1.47	1.46	1.46	1.44	1.44	1.44	1.42	1.42	1.41	1.39	-0.5%
Steam Coal	1.25	1.27	1.22	1.21	1.22	1.22	1.24	1.23	1.22	1.21	1.21	1.18	1.17	1.17	1.17	1.17	1.16	1.16	1.15	1.14	1.13	-0.5%
Electricity	17.05	16.32	14.41	14.83	15.17	15.00	14.62	14.65	14.64	14.68	15.12	15.42	15.62	15.71	15.73	15.89	16.05	16.20	16.44	16.64	16.88	-0.1%
Transportation	10.87	10.65	9.75	9.76	9.76	9.75	9.91	9.98	10.01	10.05	10.10	10.11	10.08	10.10	10.10	10.09	10.07	10.00	9.99	9.99	9.98	-0.4%
Primary Energy	10.82	10.61	9.70	9.72	9.72	9.72	9.88	9.95	9.98	10.02	10.07	10.08	10.04	10.06	10.06	10.05	10.03	9.96	9.95	9.95	9.93	-0.4%
Petroleum Products 2/	10.81	10.60	9.70	9.72	9.72	9.71	9.87	9.94	9.97	10.01	10.06	10.07	10.03	10.05	10.05	10.03	10.02	9.95	9.93	9.93	9.92	-0.4%
Distillate Fuel 6/	11.44	10.86	10.24	9.79	9.76	9.77	10.01	10.41	10.56	10.62	10.78	10.79	10.69	10.74	10.67	10.69	10.70	10.44	10.38	10.39	10.36	-0.5%
Jet Fuel 7/	7.44	5.93	5.68	5.56	5.58	5.61	5.58	5.62	5.64	5.81	5.93	6.03	6.04	6.16	6.27	6.33	6.32	6.31	6.32	6.33	6.35	-0.8%
Motor Gasoline 8/	12.14	12.18	11.01	11.15	11.15	11.13	11.31	11.30	11.29	11.30	11.30	11.30	11.27	11.26	11.26	11.21	11.19	11.17	11.16	11.16	11.15	-0.4%
Residual Fuel	3.85	3.64	3.34	3.62	3.65	3.66	3.67	3.69	3.71	3.73	3.74	3.75	3.77	3.79	3.81	3.83	3.85	3.88	3.90	3.92	3.95	0.1%
Liquefied Petroleum Gas 9/	16.02	14.25	14.00	15.07	15.22	15.09	15.08	15.08	15.09	15.09	15.21	15.21	15.29	15.21	15.21	15.14	15.08	15.02	15.02	15.02	15.02	-0.3%
Natural Gas 10/	10.60	10.31	8.13	8.35	8.49	8.56	8.58	8.63	8.68	8.70	8.73	8.77	8.79	8.82	8.84	8.88	8.89	8.91	8.92	8.93	8.94	-0.8%
Ethanol (E85) 11/	17.33	17.33	17.33	19.64	20.39	19.87	20.27	20.26	20.26	20.76	21.27	21.36	22.20	22.27	22.34	22.40	22.45	21.88	21.98	22.09	22.19	1.2%
Electricity	27.21	25.73	23.48	21.72	21.07	19.80	19.19	19.51	19.87	20.28	20.84	21.31	21.61	21.84	21.99	22.13	22.11	21.96	21.89	21.70	21.53	-1.2%
Average End-Use Energy	11.08	11.17	9.66	9.69	9.78	9.76	9.76	9.82	9.84	9.90	10.03	10.11	10.15	10.20	10.24	10.29	10.33	10.33	10.38	10.43	10.47	-0.3%
Primary Energy	8.34	8.49	7.21	7.27	7.34	7.37	7.45	7.53	7.57	7.62	7.68	7.72	7.73	7.77	7.81	7.82	7.83	7.81	7.82	7.84	7.85	-0.3%
Electricity	26.73	26.04	23.45	23.37	23.43	22.97	22.43	22.28	22.12	22.13	22.56	22.84	23.01	23.06	23.05	23.24	23.46	23.59	23.82	24.01	24.22	-0.5%
Electric Generators 12/																						
Fossil Fuel Average	1.97	1.95	1.62	1.67	1.72	1.75	1.78	1.81	1.85	1.88	1.92	1.98	2.02	2.05	2.10	2.15	2.17	2.21	2.24	2.26	2.29	0.8%
Petroleum Products	4.32	3.91	3.72	3.86	3.91	3.95	3.97	4.01	4.02	4.06	4.11	4.13	4.15	4.13	4.15	4.13	4.13	4.14	4.17	4.19	4.21	-0.1%
Distillate Fuel	7.26	5.39	5.15	4.89	4.93	4.95	4.95	4.92	4.92	5.09	5.18	5.20	5.23	5.40	5.61	5.64	5.66	5.67	5.69	5.71	5.73	-1.2%
Residual Fuel	4.23	3.87	3.60	3.74	3.76	3.78	3.78	3.80	3.81	3.83	3.84	3.86	3.88	3.90	3.93	3.95	3.97	3.99	4.02	4.05	4.07	-0.2%
Natural Gas	4.61	4.54	2.74	3.02	3.24	3.34	3.48	3.56	3.64	3.67	3.69	3.76	3.82	3.86	3.92	3.98	4.02	4.07	4.12	4.17	4.23	-0.4%
Steam Coal	1.32	1.34	1.31	1.31	1.32	1.32	1.32	1.31	1.30	1.30	1.29	1.30	1.29	1.28	1.27	1.26	1.26	1.25	1.24	1.23	1.22	-0.4%

Table 12. Energy Prices by Sector and Source (1 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
Middle Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Average Price to All Users 13/																						
Petroleum Products 2/	9.66	9.29	8.71	8.72	8.74	8.76	8.89	8.98	9.01	9.09	9.17	9.20	9.19	9.23	9.27	9.26	9.26	9.19	9.20	9.19	9.18	-0.3%
Distillate Fuel	10.10	9.45	8.89	8.42	8.44	8.48	8.62	8.84	8.84	9.07	9.23	9.27	9.24	9.36	9.42	9.46	9.48	9.34	9.32	9.34	9.33	-0.4%
Jet Fuel	7.44	5.93	5.68	5.56	5.58	5.61	5.58	5.62	5.64	5.81	5.93	6.03	6.04	6.16	6.27	6.33	6.32	6.31	6.32	6.33	6.35	-0.8%
Liquefied Petroleum Gas	14.61	13.44	13.13	14.12	14.28	14.15	14.05	13.63	13.55	13.49	13.49	13.46	13.55	13.46	13.47	13.41	13.35	13.29	13.23	13.22	13.25	-0.5%
Motor Gasoline 8/	12.14	12.18	11.01	11.16	11.15	11.13	11.31	11.30	11.29	11.30	11.30	11.30	11.27	11.26	11.26	11.21	11.19	11.17	11.16	11.16	11.15	-0.4%
Residual Fuel	3.91	3.82	3.50	3.72	3.75	3.77	3.78	3.80	3.82	3.84	3.86	3.86	3.89	3.91	3.93	3.95	3.97	3.99	4.01	4.04	4.07	0.2%
Natural Gas	6.70	7.64	5.10	5.30	5.46	5.49	5.49	5.48	5.50	5.47	5.45	5.45	5.47	5.48	5.50	5.52	5.54	5.57	5.59	5.63	5.68	-0.8%
Coal	1.32	1.34	1.30	1.30	1.31	1.31	1.31	1.30	1.30	1.29	1.28	1.29	1.28	1.27	1.26	1.25	1.25	1.24	1.23	1.22	1.21	-0.4%
Ethanol (E85) 11/	17.33	17.33	17.33	19.64	20.39	19.87	20.27	20.26	20.26	20.76	21.27	21.36	22.20	22.27	22.34	22.40	22.45	21.88	21.98	22.09	22.19	1.2%
Electricity	26.73	26.04	23.45	23.37	23.43	22.97	22.43	22.28	22.12	22.13	22.56	22.84	23.01	23.06	23.05	23.24	23.46	23.59	23.82	24.01	24.22	-0.5%
Non-Renewable Energy Expenditures by																						
Sector (billion 2000 dollars)																						
Residential	24.08	25.44	22.29	22.65	23.04	22.92	22.71	22.65	22.71	22.75	22.96	23.17	23.36	23.43	23.57	23.75	23.98	24.08	24.27	24.47	24.75	0.1%
Commercial	17.89	18.48	15.92	16.40	16.82	16.78	16.70	16.83	16.93	17.16	17.68	18.14	18.51	18.82	19.05	19.36	19.62	19.81	20.07	20.29	20.52	0.7%
Industrial	12.40	10.91	9.37	9.91	10.29	10.46	10.50	10.79	10.97	11.20	11.62	11.96	12.19	12.42	12.61	12.82	13.01	13.14	13.43	13.64	13.83	0.5%
Transportation	31.19	30.69	28.67	29.41	29.86	30.30	31.15	31.80	32.36	33.03	33.67	34.24	34.56	35.02	35.35	35.59	35.86	35.91	36.14	36.42	36.60	0.8%
Total Non-Renewable Expenditures	85.56	85.52	76.25	78.37	80.01	80.45	81.06	82.07	82.97	84.14	85.93	87.50	88.61	89.70	90.58	91.51	92.47	92.95	93.91	94.82	95.71	0.6%
Transportation Renewable Expenditures	0.04	0.05	0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.13	0.13	5.7%
Total Expenditures	85.60	85.57	76.30	78.43	80.07	80.52	81.14	82.15	83.06	84.23	86.03	87.60	88.72	89.81	90.69	91.63	92.59	93.07	94.04	94.95	95.84	0.6%

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/ Excludes independent power producers.

4/ Includes cogenerators.

5/ Excludes uses for lease and plant fuel.

6/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.

7/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.

8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.

9/ Includes Federal and State taxes while excluding county and local taxes.

10/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).

13/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

14/ 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 are model results and may differ slightly from official EIA data reports.

Sources: 2000 prices for gasoline, distillate, and jet fuel are based on the preliminary Petroleum Marketing Annual 2000, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (August 2001). 2000 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1997, DOE/EIA-0376(97) (Washington, DC, July 2000). 2000 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1994. 2000 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). 2000 coal prices based on EIA, Quarterly Coal Report, DOE/EIA-0121(2000/4Q) (Washington, DC, October-December 2000) and EIA. AEO2001 National Energy Modeling System run aeo2002.d102001b. 2000 electricity prices for commercial, industrial, and transportation: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 13. Energy Prices by Sector and Source (1 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
East North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Residential	11.20	11.88	9.97	10.07	10.15	10.15	10.30	10.25	10.29	10.26	10.30	10.41	10.49	10.54	10.55	10.58	10.66	10.76	10.83	10.85	10.91	-0.1%
Primary Energy 1/	7.11	8.06	5.88	6.11	6.26	6.28	6.25	6.22	6.23	6.22	6.23	6.27	6.32	6.34	6.35	6.39	6.40	6.43	6.45	6.46	6.50	-0.5%
Petroleum Products 2/	10.92	10.20	9.81	9.61	9.75	9.72	9.76	9.84	9.87	9.98	10.14	10.17	10.34	10.38	10.48	10.63	10.67	10.70	10.72	10.76	10.81	-0.1%
Distillate Fuel	8.75	8.46	7.73	6.98	7.02	7.03	7.03	7.13	7.10	7.29	7.43	7.46	7.55	7.73	7.94	8.15	8.20	8.23	8.23	8.29	8.36	-0.2%
Liquefied Petroleum Gas	12.14	11.36	11.12	11.19	11.38	11.28	11.31	11.34	11.38	11.41	11.55	11.58	11.79	11.76	11.78	11.90	11.93	11.97	12.00	12.04	12.07	0.0%
Natural Gas	6.66	7.82	5.43	5.72	5.87	5.90	5.86	5.83	5.84	5.82	5.82	5.86	5.91	5.93	5.94	5.97	5.99	6.02	6.05	6.07	6.10	-0.4%
Electricity	23.24	22.59	21.55	21.07	20.83	20.54	21.06	20.88	20.85	20.65	20.62	20.81	20.86	20.86	20.72	20.61	20.71	20.88	21.00	20.96	20.99	-0.5%
Commercial	11.74	12.23	10.52	10.76	10.88	10.90	10.75	10.67	10.69	10.64	10.68	10.85	10.97	11.06	11.07	11.08	11.17	11.29	11.38	11.40	11.48	-0.1%
Primary Energy 1/	6.17	7.20	5.00	5.24	5.38	5.40	5.37	5.34	5.35	5.34	5.35	5.40	5.45	5.47	5.50	5.54	5.57	5.60	5.62	5.64	5.68	-0.4%
Petroleum Products 2/	8.15	7.14	6.82	6.54	6.60	6.59	6.62	6.69	6.68	6.83	6.95	6.99	7.10	7.22	7.37	7.54	7.59	7.62	7.63	7.68	7.74	-0.3%
Distillate Fuel	6.82	5.60	5.35	5.02	5.06	5.07	5.07	5.17	5.14	5.33	5.47	5.50	5.59	5.77	5.98	6.19	6.24	6.27	6.27	6.33	6.40	-0.3%
Residual Fuel	2.83	3.55	3.26	3.23	3.26	3.28	3.30	3.32	3.34	3.36	3.38	3.40	3.42	3.44	3.46	3.48	3.50	3.52	3.54	3.56	3.58	1.2%
Natural Gas 3/	6.17	7.40	4.95	5.25	5.40	5.42	5.39	5.35	5.37	5.34	5.34	5.39	5.44	5.46	5.48	5.51	5.54	5.57	5.60	5.62	5.66	-0.4%
Electricity	20.68	19.98	19.16	19.44	19.49	19.37	18.95	18.71	18.66	18.49	18.53	18.81	18.98	19.10	19.02	18.93	19.05	19.27	19.44	19.41	19.50	-0.3%
Industrial 4/	6.39	6.06	5.18	5.36	5.48	5.54	5.53	5.56	5.62	5.68	5.77	5.86	5.94	6.02	6.08	6.14	6.20	6.24	6.30	6.36	6.42	0.0%
Primary Energy	4.79	4.53	3.60	3.80	3.89	3.95	3.97	4.02	4.05	4.14	4.20	4.25	4.29	4.35	4.43	4.49	4.53	4.51	4.54	4.59	4.64	-0.2%
Petroleum Products 2/	7.08	5.93	5.64	5.80	5.81	5.84	5.89	5.97	5.99	6.17	6.25	6.28	6.34	6.45	6.60	6.72	6.77	6.69	6.71	6.78	6.83	-0.2%
Distillate Fuel	7.80	6.11	5.88	5.56	5.60	5.61	5.61	5.71	5.68	5.87	6.00	6.03	6.13	6.31	6.52	6.73	6.78	6.81	6.81	6.87	6.94	-0.6%
Liquefied Petroleum Gas	12.79	11.15	10.90	11.27	11.46	11.36	11.39	11.43	11.46	11.49	11.64	11.66	11.87	11.84	11.87	11.98	12.01	12.05	12.08	12.12	12.16	-0.3%
Residual Fuel	3.10	3.64	3.34	3.29	3.33	3.35	3.37	3.39	3.41	3.43	3.45	3.46	3.49	3.50	3.53	3.54	3.57	3.59	3.61	3.63	3.65	0.8%
Natural Gas 5/	4.59	4.94	2.91	3.25	3.44	3.51	3.52	3.54	3.60	3.62	3.66	3.72	3.77	3.81	3.84	3.88	3.91	3.94	3.98	4.01	4.05	-0.6%
Metallurgical Coal	1.69	1.72	1.71	1.69	1.67	1.66	1.65	1.64	1.62	1.62	1.62	1.61	1.60	1.59	1.58	1.57	1.57	1.55	1.54	1.53	1.51	-0.6%
Steam Coal	1.38	1.38	1.35	1.34	1.32	1.33	1.33	1.32	1.31	1.29	1.29	1.29	1.28	1.27	1.27	1.25	1.25	1.24	1.23	1.22	1.21	-0.6%
Electricity	13.13	12.48	12.11	12.34	12.52	12.49	12.25	12.16	12.22	12.18	12.32	12.54	12.69	12.81	12.80	12.79	12.91	13.13	13.30	13.33	13.44	0.1%
Transportation	11.58	11.17	10.21	9.95	9.95	9.99	10.19	10.29	10.32	10.37	10.41	10.42	10.40	10.42	10.41	10.42	10.43	10.41	10.42	10.40	10.39	-0.5%
Primary Energy	11.56	11.15	10.20	9.93	9.93	9.98	10.18	10.28	10.31	10.36	10.39	10.41	10.38	10.40	10.39	10.41	10.41	10.39	10.40	10.38	10.38	-0.5%
Petroleum Products 2/	11.56	11.15	10.20	9.93	9.93	9.98	10.18	10.28	10.31	10.36	10.39	10.41	10.38	10.40	10.39	10.40	10.41	10.39	10.40	10.38	10.37	-0.5%
Distillate Fuel 6/	10.79	10.50	9.88	9.36	9.41	9.35	9.55	9.97	10.11	10.17	10.31	10.34	10.24	10.29	10.22	10.24	10.25	10.23	10.28	10.21	10.20	-0.3%
Jet Fuel 7/	7.12	5.71	5.46	5.32	5.40	5.39	5.33	5.51	5.56	5.74	5.83	5.93	5.99	6.11	6.20	6.35	6.38	6.39	6.39	6.40	6.41	-0.5%
Motor Gasoline 8/	12.50	12.17	11.00	10.81	10.79	10.88	11.12	11.10	11.09	11.12	11.12	11.12	11.12	11.12	11.12	11.12	11.13	11.13	11.13	11.13	11.14	-0.6%
Residual Fuel	3.01	3.67	3.37	3.56	3.59	3.61	3.63	3.65	3.67	3.69	3.71	3.73	3.75	3.77	3.79	3.81	3.83	3.85	3.87	3.90	3.92	1.3%
Liquefied Petroleum Gas 9/	18.05	15.73	15.48	15.12	15.27	15.14	15.13	15.13	15.13	15.14	15.25	15.25	15.43	15.36	15.36	15.44	15.45	15.45	15.46	15.46	15.46	-0.8%
Natural Gas 10/	7.76	7.88	5.75	6.02	6.17	6.23	6.26	6.31	6.39	6.44	6.50	6.58	6.65	6.69	6.73	6.77	6.80	6.83	6.85	6.87	6.89	-0.6%
Ethanol (E85) 11/	17.33	17.33	17.33	17.62	18.35	17.83	18.21	18.19	18.18	18.67	19.17	19.26	20.09	20.16	20.22	20.29	20.35	19.77	19.86	19.96	20.06	0.7%
Electricity	19.99	18.42	17.78	16.70	15.98	15.31	14.86	15.20	15.65	15.90	16.16	16.58	16.80	16.98	17.03	16.95	16.82	16.71	16.58	16.30	16.05	-1.1%
Average End-Use Energy	9.70	9.74	8.49	8.50	8.58	8.61	8.68	8.71	8.75	8.78	8.83	8.91	8.96	9.01	9.04	9.07	9.12	9.16	9.21	9.23	9.28	-0.2%
Primary Energy	7.99	8.09	6.76	6.77	6.85	6.90	6.99	7.05	7.09	7.15	7.19	7.24	7.27	7.31	7.34	7.38	7.41	7.41	7.43	7.45	7.47	-0.3%
Electricity	18.37	17.91	17.23	17.25	17.25	17.10	17.03	16.85	16.85	16.72	16.76	16.98	17.11	17.19	17.13	17.07	17.19	17.39	17.54	17.53	17.62	-0.2%
Electric Generators 12/																						
Fossil Fuel Average	1.39	1.38	1.26	1.27	1.29	1.29	1.29	1.29	1.30	1.30	1.31	1.35	1.37	1.38	1.40	1.43	1.45	1.47	1.50	1.52	1.55	0.5%
Petroleum Products	3.87	4.57	4.55	4.56	4.67	4.67	4.75	4.86	4.84	5.03	5.14	5.14	5.23	5.39	5.59	5.78	5.86	5.90	5.87	5.96	6.00	2.2%
Distillate Fuel	6.43	5.39	5.15	4.80	4.84	4.85	4.85	4.95	4.92	5.11	5.25	5.28	5.37	5.55	5.76	5.97	6.02	6.05	6.05	6.11	6.18	-0.2%
Residual Fuel	3.43	3.96	3.68	3.77	3.80	3.82	3.82	3.85	3.89	3.90	3.92	3.94	3.95	3.96	3.98	4.00	4.02	4.04	4.06	4.08	4.11	0.9%
Natural Gas	3.65	3.78	2.03	2.37	2.60	2.69	2.72	2.76	2.84	2.89	2.93	3.04	3.12	3.16	3.22	3.29	3.33	3.38	3.43	3.47	3.51	-0.2%
Steam Coal	1.19	1.25	1.18	1.17	1.16	1.16	1.14	1.13	1.12	1.10	1.09	1.09	1.08	1.08	1.07	1.06	1.06	1.05	1.04	1.03	1.02	-0.8%

Table 13. Energy Prices by Sector and Source (2 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
East North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Average Price to All Users 13/																						
Petroleum Products 2/	10.44	9.98	9.19	9.02	9.04	9.08	9.24	9.34	9.37	9.45	9.51	9.52	9.53	9.57	9.60	9.64	9.66	9.64	9.64	9.64	9.65	-0.4%
Distillate Fuel	10.07	9.57	9.02	8.53	8.59	8.56	8.73	9.10	9.22	9.32	9.47	9.51	9.45	9.54	9.53	9.59	9.61	9.61	9.64	9.59	9.60	-0.2%
Jet Fuel	7.12	5.71	5.46	5.32	5.40	5.39	5.33	5.51	5.56	5.74	5.83	5.93	5.99	6.11	6.20	6.35	6.38	6.39	6.39	6.40	6.41	-0.5%
Liquefied Petroleum Gas	12.46	11.33	11.08	11.26	11.44	11.35	11.38	11.42	11.45	11.49	11.64	11.67	11.88	11.85	11.88	11.99	12.03	12.06	12.10	12.14	12.17	-0.1%
Motor Gasoline 8/	12.50	12.17	11.00	10.81	10.79	10.88	11.12	11.10	11.09	11.12	11.12	11.12	11.12	11.12	11.12	11.12	11.13	11.13	11.13	11.13	11.14	-0.6%
Residual Fuel	3.32	3.77	3.40	3.41	3.41	3.42	3.41	3.43	3.45	3.47	3.49	3.51	3.53	3.55	3.57	3.59	3.61	3.63	3.65	3.67	3.69	0.5%
Natural Gas	5.61	6.53	4.15	4.45	4.62	4.65	4.61	4.59	4.61	4.59	4.58	4.62	4.65	4.66	4.67	4.69	4.71	4.72	4.73	4.75	4.77	-0.8%
Coal	1.21	1.26	1.19	1.18	1.18	1.17	1.16	1.15	1.13	1.12	1.11	1.11	1.10	1.09	1.09	1.08	1.07	1.06	1.05	1.04	1.03	-0.8%
Ethanol (E85) 11/	17.33	17.33	17.33	17.62	18.35	17.83	18.21	18.19	18.18	18.67	19.17	19.26	20.09	20.16	20.22	20.29	20.35	19.77	19.86	19.96	20.06	0.7%
Electricity	18.37	17.91	17.23	17.25	17.25	17.10	17.03	16.85	16.85	16.72	16.76	16.98	17.11	17.19	17.13	17.07	17.19	17.39	17.54	17.53	17.62	-0.2%
Non-Renewable Energy Expenditures by																						
Sector (billion 2000 dollars)																						
Residential	25.65	27.54	24.00	24.79	25.29	25.30	25.76	25.78	26.05	26.06	26.29	26.74	27.16	27.36	27.55	27.81	28.24	28.60	29.00	29.29	29.78	0.7%
Commercial	16.73	17.72	15.69	16.51	17.00	17.18	17.13	17.16	17.31	17.34	17.52	17.89	18.19	18.45	18.60	18.76	19.05	19.39	19.70	19.89	20.19	0.9%
Industrial	23.91	21.33	19.17	20.35	21.06	21.55	21.66	21.97	22.41	22.88	23.48	24.15	24.66	25.17	25.59	26.01	26.43	26.83	27.36	27.77	28.21	0.8%
Transportation	44.55	43.52	40.64	40.63	41.35	42.28	43.70	44.83	45.71	46.75	47.70	48.58	49.15	49.87	50.33	50.90	51.44	51.85	52.34	52.70	53.03	0.9%
Total Non-Renewable Expenditures	110.84	110.11	99.49	102.29	104.71	106.31	108.25	109.73	111.48	113.03	115.00	117.37	119.16	120.84	122.08	123.48	125.15	126.67	128.39	129.65	131.21	0.8%
Transportation Renewable Expenditures	0.05	0.06	0.06	0.06	0.06	0.07	0.08	0.08	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.13	0.13	0.14	0.14	5.3%
Total Expenditures	110.89	110.17	99.55	102.34	104.77	106.38	108.33	109.82	111.57	113.13	115.10	117.48	119.28	120.96	122.20	123.60	125.28	126.80	128.52	129.79	131.35	0.9%

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/ Excludes independent power producers.

4/ Includes cogenerators.

5/ Excludes uses for lease and plant fuel.

6/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.

7/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.

8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.

9/ Includes Federal and State taxes while excluding county and local taxes.

10/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).

13/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

14/ 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 are model results and may differ slightly from official EIA data reports.

Sources: 2000 prices for gasoline, distillate, and jet fuel are based on the preliminary Petroleum Marketing Annual 2000, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (August 2001). 2000 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1997, DOE/EIA-0376(97) (Washington, DC, July 2000). 2000 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1994. 2000 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). 2000 coal prices based on EIA, Quarterly Coal Report, DOE/EIA-0121(2000/4Q) (Washington, DC, October-December 2000) and EIA. AEO2001 National Energy Modeling System run aeo2002.d102001b. 2000 electricity prices for commercial, industrial, and transportation: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 14. Energy Prices by Sector and Source (1 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
West North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Residential	12.53	12.60	11.10	11.14	11.20	11.23	11.31	11.31	11.41	11.49	11.57	11.57	11.61	11.65	11.69	11.68	11.74	11.81	11.89	11.93	12.01	-0.2%
Primary Energy 1/	7.64	8.24	6.29	6.52	6.68	6.70	6.67	6.65	6.65	6.63	6.64	6.67	6.72	6.73	6.74	6.78	6.79	6.81	6.83	6.86	6.90	-0.5%
Petroleum Products 2/	9.80	8.98	8.62	8.50	8.64	8.58	8.61	8.67	8.69	8.78	8.93	8.96	9.13	9.15	9.23	9.37	9.41	9.44	9.47	9.51	9.55	-0.1%
Distillate Fuel	8.20	8.17	7.42	6.76	6.80	6.81	6.81	6.91	6.88	7.09	7.22	7.25	7.34	7.52	7.73	7.95	8.00	8.02	8.02	8.08	8.16	0.0%
Liquefied Petroleum Gas	10.38	9.31	9.08	9.15	9.34	9.24	9.27	9.31	9.34	9.38	9.53	9.55	9.77	9.73	9.76	9.88	9.91	9.95	9.98	10.02	10.06	-0.2%
Natural Gas	7.20	8.15	5.83	6.16	6.33	6.37	6.33	6.30	6.30	6.27	6.26	6.30	6.33	6.36	6.37	6.39	6.41	6.44	6.46	6.49	6.54	-0.5%
Electricity	22.04	20.82	20.20	19.77	19.52	19.44	19.66	19.66	19.90	20.07	20.23	20.13	20.04	20.02	20.02	19.84	19.90	19.97	20.08	20.10	20.16	-0.4%
Commercial	11.22	11.41	10.15	10.22	10.28	10.33	10.27	10.26	10.36	10.43	10.50	10.54	10.60	10.68	10.72	10.72	10.76	10.81	10.88	10.91	10.99	-0.1%
Primary Energy 1/	6.30	7.13	5.00	5.28	5.44	5.47	5.45	5.43	5.43	5.42	5.42	5.46	5.51	5.54	5.56	5.60	5.63	5.65	5.68	5.72	5.77	-0.4%
Petroleum Products 2/	8.51	7.72	7.35	7.26	7.34	7.32	7.36	7.41	7.41	7.52	7.64	7.67	7.80	7.87	7.97	8.12	8.16	8.19	8.20	8.24	8.29	-0.1%
Distillate Fuel	6.77	5.56	5.31	5.09	5.13	5.14	5.14	5.24	5.21	5.42	5.55	5.58	5.67	5.85	6.06	6.28	6.33	6.35	6.35	6.41	6.49	-0.2%
Residual Fuel	2.65	3.44	3.13	3.13	3.16	3.18	3.20	3.22	3.24	3.26	3.28	3.30	3.32	3.34	3.36	3.38	3.40	3.42	3.44	3.46	3.49	1.4%
Natural Gas 3/	6.21	7.23	4.85	5.19	5.36	5.40	5.37	5.34	5.34	5.32	5.30	5.35	5.40	5.42	5.44	5.47	5.49	5.52	5.55	5.59	5.64	-0.5%
Electricity	18.11	17.31	17.26	17.05	16.92	16.86	16.67	16.61	16.80	16.93	17.04	17.03	17.04	17.10	17.11	16.99	17.01	17.03	17.11	17.10	17.16	-0.3%
Industrial 4/	6.41	6.10	5.46	5.58	5.64	5.67	5.67	5.70	5.76	5.85	5.93	5.94	5.99	6.05	6.12	6.17	6.20	6.22	6.25	6.29	6.34	-0.1%
Primary Energy	5.12	4.92	4.18	4.37	4.46	4.50	4.52	4.55	4.58	4.67	4.74	4.77	4.84	4.90	4.98	5.06	5.09	5.10	5.12	5.17	5.21	0.1%
Petroleum Products 2/	7.13	6.52	6.24	6.42	6.48	6.49	6.52	6.58	6.59	6.74	6.85	6.88	6.99	7.08	7.22	7.36	7.41	7.41	7.42	7.46	7.52	0.3%
Distillate Fuel	7.52	6.08	5.85	5.64	5.68	5.69	5.69	5.79	5.76	5.97	6.10	6.13	6.22	6.40	6.62	6.83	6.88	6.91	6.91	6.96	7.04	-0.3%
Liquefied Petroleum Gas	9.52	8.67	8.43	8.38	8.57	8.47	8.50	8.54	8.57	8.61	8.75	8.78	8.99	8.96	8.99	9.10	9.14	9.18	9.21	9.25	9.29	-0.1%
Residual Fuel	2.59	3.44	3.15	3.15	3.19	3.21	3.23	3.25	3.27	3.29	3.31	3.33	3.35	3.37	3.39	3.41	3.43	3.45	3.47	3.49	3.51	1.5%
Natural Gas 5/	4.35	4.74	2.76	3.13	3.33	3.41	3.43	3.45	3.50	3.52	3.55	3.60	3.65	3.69	3.72	3.75	3.78	3.81	3.85	3.90	3.95	-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Steam Coal	1.10	1.09	1.06	1.04	1.03	1.02	1.00	1.00	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.92	0.91	-0.9%
Electricity	12.36	11.56	11.61	11.46	11.34	11.27	11.12	11.09	11.21	11.32	11.42	11.30	11.26	11.31	11.31	11.21	11.23	11.26	11.31	11.31	11.36	-0.4%
Transportation	11.15	10.88	9.96	9.70	9.70	9.77	9.97	10.10	10.13	10.20	10.24	10.25	10.23	10.25	10.24	10.26	10.26	10.24	10.25	10.23	10.23	-0.4%
Primary Energy	11.13	10.87	9.94	9.69	9.69	9.76	9.96	10.09	10.12	10.18	10.23	10.24	10.21	10.24	10.22	10.24	10.25	10.23	10.24	10.22	10.21	-0.4%
Petroleum Products 2/	11.13	10.87	9.95	9.69	9.69	9.76	9.96	10.09	10.12	10.19	10.23	10.24	10.22	10.24	10.23	10.24	10.25	10.23	10.24	10.22	10.22	-0.4%
Distillate Fuel 6/	10.56	10.35	9.73	9.12	9.17	9.12	9.30	9.74	9.87	9.94	10.09	10.11	10.00	10.06	9.99	10.01	10.02	10.00	10.05	9.98	9.97	-0.3%
Jet Fuel 7/	7.37	6.13	5.89	5.79	5.87	5.86	5.80	5.98	6.03	6.22	6.30	6.38	6.42	6.52	6.60	6.74	6.76	6.76	6.76	6.76	6.76	-0.4%
Motor Gasoline 8/	12.05	11.89	10.72	10.60	10.58	10.71	10.97	10.95	10.94	10.98	10.98	10.99	10.99	10.99	10.99	10.99	11.00	11.00	11.00	11.00	11.01	-0.5%
Residual Fuel	3.19	2.84	2.55	2.49	2.52	2.55	2.57	2.59	2.60	2.63	2.65	2.66	2.69	2.71	2.73	2.75	2.77	2.79	2.81	2.84	2.86	-0.5%
Liquefied Petroleum Gas 9/	13.78	12.83	12.58	12.40	12.54	12.41	12.41	12.41	12.41	12.42	12.53	12.53	12.71	12.65	12.65	12.73	12.74	12.75	12.75	12.76	12.76	-0.4%
Natural Gas 10/	7.55	7.74	5.68	5.99	6.15	6.22	6.26	6.29	6.36	6.40	6.45	6.51	6.57	6.62	6.65	6.69	6.72	6.75	6.77	6.80	6.84	-0.5%
Ethanol (E85) 11/	17.33	17.33	17.33	17.71	18.44	17.92	18.30	18.28	18.27	18.76	19.26	19.35	20.19	20.26	20.32	20.38	20.44	19.87	19.96	20.05	20.15	0.8%
Electricity	17.99	16.99	16.67	15.32	14.37	13.68	13.45	13.98	14.67	15.28	15.83	16.06	16.28	16.55	16.77	16.65	16.45	16.23	16.02	15.67	15.32	-0.8%
Average End-Use Energy	9.93	9.85	8.84	8.78	8.82	8.86	8.94	9.00	9.06	9.13	9.20	9.21	9.23	9.28	9.31	9.33	9.36	9.37	9.41	9.42	9.46	-0.2%
Primary Energy	8.37	8.41	7.26	7.24	7.32	7.37	7.48	7.55	7.59	7.65	7.71	7.74	7.77	7.81	7.83	7.88	7.90	7.90	7.92	7.93	7.96	-0.3%
Electricity	17.59	16.80	16.59	16.32	16.14	16.05	16.01	15.96	16.14	16.27	16.38	16.29	16.26	16.29	16.30	16.17	16.21	16.25	16.34	16.34	16.41	-0.3%
Electric Generators 12/																						
Fossil Fuel Average	1.05	1.03	0.94	0.96	0.96	0.94	0.91	0.88	0.88	0.87	0.88	0.89	0.91	0.92	0.94	0.96	0.97	1.00	1.01	1.02	1.03	-0.1%
Petroleum Products	5.84	4.22	4.48	4.39	4.30	4.22	4.29	4.50	4.49	4.68	4.78	4.80	4.84	4.83	4.96	5.02	5.06	5.05	5.05	5.07	5.01	-0.8%
Distillate Fuel	6.54	5.42	5.19	4.91	4.95	4.96	4.96	5.06	5.03	5.24	5.37	5.40	5.49	5.67	5.88	6.10	6.15	6.17	6.18	6.23	6.31	-0.2%
Residual Fuel	4.40	3.19	2.90	2.81	2.85	2.87	2.89	2.91	2.93	2.95	2.97	2.99	3.01	3.03	3.05	3.07	3.09	3.11	3.13	3.15	3.17	-1.6%
Natural Gas	4.29	4.17	2.46	2.81	2.98	3.04	3.07	3.10	3.17	3.21	3.25	3.34	3.40	3.45	3.54	3.62	3.70	3.76	3.83	3.89	3.95	-0.4%
Steam Coal	0.83	0.83	0.84	0.84	0.83	0.81	0.79	0.78	0.76	0.75	0.75	0.74	0.74	0.74	0.73	0.73	0.73	0.72	0.72	0.71	0.71	-0.8%

Table 14. Energy Prices by Sector and Source (2 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
West North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Average Price to All Users 13/																						
Petroleum Products 2/	10.13	9.77	9.05	8.90	8.92	8.97	9.14	9.26	9.29	9.38	9.45	9.46	9.48	9.52	9.54	9.59	9.61	9.60	9.61	9.61	9.61	-0.3%
Distillate Fuel	9.70	9.23	8.73	8.21	8.27	8.25	8.40	8.77	8.87	8.99	9.15	9.18	9.12	9.21	9.21	9.29	9.31	9.30	9.34	9.30	9.31	-0.2%
Jet Fuel	7.37	6.13	5.89	5.79	5.87	5.86	5.80	5.98	6.03	6.22	6.30	6.38	6.42	6.52	6.60	6.74	6.76	6.76	6.76	6.76	6.76	-0.4%
Liquefied Petroleum Gas	9.84	8.94	8.69	8.68	8.87	8.77	8.80	8.84	8.87	8.91	9.05	9.07	9.28	9.24	9.27	9.38	9.41	9.45	9.48	9.52	9.55	-0.1%
Motor Gasoline 8/	12.05	11.90	10.72	10.60	10.58	10.71	10.98	10.95	10.94	10.98	10.98	10.99	10.99	10.99	10.99	10.99	11.00	11.00	11.00	11.01	11.01	-0.5%
Residual Fuel	3.28	3.27	3.06	3.01	3.02	3.03	3.07	3.12	3.15	3.17	3.20	3.21	3.22	3.23	3.24	3.25	3.28	3.29	3.31	3.33	3.34	0.1%
Natural Gas	5.80	6.57	4.33	4.65	4.83	4.89	4.88	4.89	4.90	4.89	4.88	4.91	4.95	4.97	4.98	5.00	5.02	5.04	5.06	5.10	5.15	-0.6%
Coal	0.86	0.86	0.86	0.86	0.85	0.83	0.81	0.80	0.78	0.77	0.77	0.77	0.76	0.76	0.76	0.75	0.75	0.75	0.74	0.73	0.73	-0.8%
Ethanol (E85) 11/	17.33	17.33	17.33	17.71	18.44	17.92	18.30	18.28	18.27	18.76	19.26	19.35	20.19	20.26	20.32	20.38	20.44	19.87	19.96	20.05	20.15	0.8%
Electricity	17.59	16.80	16.59	16.32	16.14	16.05	16.01	15.96	16.14	16.27	16.38	16.29	16.26	16.29	16.30	16.17	16.21	16.25	16.34	16.34	16.41	-0.3%
Non-Renewable Energy Expenditures by																						
Sector (billion 2000 dollars)																						
Residential	11.11	11.46	10.31	10.57	10.74	10.79	10.92	10.98	11.17	11.26	11.40	11.48	11.61	11.68	11.79	11.86	12.03	12.14	12.30	12.45	12.65	0.7%
Commercial	7.66	8.02	7.26	7.52	7.73	7.86	7.92	8.01	8.19	8.33	8.47	8.60	8.75	8.91	9.05	9.16	9.31	9.46	9.63	9.76	9.91	1.3%
Industrial	9.48	8.59	7.99	8.38	8.60	8.77	8.83	8.96	9.14	9.41	9.66	9.81	9.98	10.18	10.39	10.57	10.71	10.84	11.00	11.17	11.34	0.9%
Transportation	22.33	22.10	20.65	20.71	21.14	21.71	22.51	23.19	23.70	24.32	24.90	25.40	25.74	26.17	26.46	26.81	27.14	27.41	27.73	27.96	28.19	1.2%
Total Non-Renewable Expenditures	50.59	50.16	46.20	47.18	48.21	49.13	50.18	51.15	52.20	53.32	54.43	55.29	56.08	56.94	57.70	58.41	59.19	59.85	60.67	61.34	62.09	1.0%
Transportation Renewable Expenditures	0.02	0.03	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	5.6%
Total Expenditures	50.61	50.19	46.22	47.21	48.23	49.16	50.21	51.18	52.24	53.36	54.47	55.34	56.13	56.99	57.75	58.46	59.25	59.91	60.73	61.40	62.15	1.0%

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/ Excludes independent power producers.

4/ Includes cogenerators.

5/ Excludes uses for lease and plant fuel.

6/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.

7/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.

8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.

9/ Includes Federal and State taxes while excluding county and local taxes.

10/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).

13/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

14/ 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 are model results and may differ slightly from official EIA data reports.

Sources: 2000 prices for gasoline, distillate, and jet fuel are based on the preliminary Petroleum Marketing Annual 2000, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (August 2001). 2000 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1997, DOE/EIA-0376(97) (Washington, DC, July 2000). 2000 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1994. 2000 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). 2000 coal prices based on EIA, Quarterly Coal Report, DOE/EIA-0121(2000/4Q) (Washington, DC, October-December 2000) and EIA. AEO2001 National Energy Modeling System run aeo2002.d102001b. 2000 electricity prices for commercial, industrial, and transportation: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 15. Energy Prices by Sector and Source (1 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
South Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Residential	18.09	17.91	16.60	16.49	16.65	16.70	16.60	16.60	16.65	16.69	16.75	16.77	16.73	16.68	16.66	16.64	16.73	16.76	16.84	16.86	16.89	-0.3%
Primary Energy 1/	10.10	10.21	8.40	8.71	8.82	8.81	8.75	8.73	8.72	8.72	8.72	8.72	8.74	8.73	8.74	8.75	8.74	8.75	8.76	8.76	8.77	-0.7%
Petroleum Products 2/	12.02	10.87	10.46	10.92	11.03	11.03	11.07	11.17	11.20	11.36	11.53	11.55	11.68	11.77	11.90	12.01	12.06	12.10	12.12	12.15	12.16	0.1%
Distillate Fuel	9.44	9.12	8.38	7.61	7.65	7.67	7.67	7.77	7.74	7.93	8.07	8.09	8.18	8.36	8.57	8.68	8.75	8.81	8.83	8.85	8.87	-0.3%
Liquefied Petroleum Gas	16.14	14.21	13.98	15.25	15.44	15.34	15.38	15.41	15.45	15.48	15.63	15.66	15.87	15.83	15.86	15.98	16.01	16.05	16.09	16.13	16.16	0.0%
Natural Gas	9.29	9.98	7.56	7.84	7.99	7.99	7.92	7.87	7.87	7.84	7.81	7.83	7.84	7.83	7.82	7.83	7.83	7.87	7.89	7.90	7.94	-0.8%
Electricity	23.67	23.02	21.99	21.49	21.60	21.61	21.44	21.42	21.47	21.49	21.55	21.55	21.44	21.33	21.25	21.18	21.28	21.28	21.39	21.38	21.39	-0.5%
Commercial	15.45	15.59	14.26	14.23	14.39	14.40	14.25	14.27	14.32	14.39	14.51	14.59	14.62	14.62	14.62	14.63	14.72	14.76	14.88	14.92	14.98	-0.2%
Primary Energy 1/	7.13	7.85	5.86	6.08	6.21	6.22	6.18	6.17	6.18	6.19	6.21	6.25	6.29	6.32	6.36	6.40	6.42	6.46	6.49	6.52	6.56	-0.4%
Petroleum Products 2/	7.25	6.29	5.98	5.80	5.85	5.86	5.86	5.94	5.92	6.07	6.18	6.20	6.29	6.42	6.59	6.69	6.74	6.79	6.81	6.84	6.86	-0.3%
Distillate Fuel	7.00	5.60	5.37	5.02	5.06	5.08	5.08	5.18	5.15	5.34	5.47	5.49	5.58	5.76	5.98	6.09	6.15	6.22	6.24	6.26	6.28	-0.5%
Residual Fuel	3.24	3.71	3.41	3.59	3.62	3.64	3.65	3.67	3.69	3.70	3.72	3.74	3.76	3.78	3.80	3.81	3.83	3.85	3.87	3.89	3.92	0.9%
Natural Gas 3/	7.20	8.34	5.90	6.21	6.37	6.38	6.33	6.30	6.31	6.29	6.28	6.33	6.36	6.37	6.38	6.40	6.42	6.46	6.50	6.52	6.57	-0.4%
Electricity	20.53	20.20	19.24	19.09	19.23	19.19	18.93	18.92	18.97	19.03	19.18	19.25	19.23	19.18	19.13	19.09	19.20	19.22	19.35	19.38	19.43	-0.3%
Industrial 4/	6.55	6.33	5.54	5.69	5.79	5.83	5.82	5.86	5.91	6.00	6.08	6.14	6.18	6.23	6.29	6.34	6.40	6.42	6.47	6.50	6.55	0.0%
Primary Energy	4.65	4.41	3.58	3.81	3.89	3.93	3.94	3.98	4.02	4.11	4.17	4.21	4.26	4.32	4.40	4.47	4.50	4.50	4.52	4.56	4.60	0.0%
Petroleum Products 2/	6.24	5.56	5.29	5.50	5.50	5.52	5.55	5.60	5.61	5.77	5.84	5.87	5.92	6.02	6.16	6.26	6.31	6.25	6.26	6.30	6.33	0.1%
Distillate Fuel	7.11	5.89	5.64	5.27	5.31	5.33	5.33	5.42	5.39	5.59	5.72	5.74	5.83	6.01	6.22	6.34	6.40	6.46	6.48	6.51	6.53	-0.4%
Liquefied Petroleum Gas	11.40	10.85	10.61	11.62	11.81	11.71	11.75	11.78	11.82	11.85	12.00	12.03	12.24	12.20	12.24	12.35	12.38	12.42	12.46	12.50	12.53	0.5%
Residual Fuel	3.48	3.75	3.46	3.64	3.68	3.69	3.71	3.72	3.74	3.76	3.77	3.79	3.81	3.83	3.85	3.87	3.89	3.91	3.93	3.95	3.97	0.7%
Natural Gas 5/	4.60	4.85	2.85	3.23	3.42	3.49	3.50	3.53	3.60	3.63	3.68	3.74	3.79	3.82	3.85	3.89	3.92	3.97	4.02	4.06	4.13	-0.5%
Metallurgical Coal	1.45	1.47	1.46	1.45	1.44	1.43	1.42	1.42	1.40	1.40	1.40	1.39	1.39	1.39	1.37	1.37	1.37	1.35	1.35	1.34	1.33	-0.4%
Steam Coal	1.66	1.66	1.64	1.62	1.62	1.59	1.57	1.57	1.55	1.54	1.53	1.54	1.53	1.51	1.50	1.49	1.48	1.46	1.45	1.44	1.42	-0.8%
Electricity	13.09	12.78	12.40	12.26	12.39	12.37	12.21	12.20	12.24	12.27	12.36	12.37	12.33	12.31	12.27	12.24	12.32	12.37	12.44	12.44	12.47	-0.2%
Transportation	10.66	10.65	9.69	9.38	9.38	9.44	9.64	9.73	9.76	9.81	9.85	9.86	9.85	9.87	9.87	9.88	9.89	9.89	9.90	9.88	9.88	-0.4%
Primary Energy	10.64	10.63	9.67	9.36	9.37	9.43	9.62	9.72	9.74	9.80	9.83	9.84	9.83	9.85	9.84	9.86	9.87	9.86	9.87	9.86	9.86	-0.4%
Petroleum Products 2/	10.64	10.62	9.67	9.36	9.36	9.42	9.62	9.71	9.74	9.79	9.83	9.84	9.82	9.84	9.84	9.85	9.86	9.86	9.87	9.85	9.85	-0.4%
Distillate Fuel 6/	10.38	10.04	9.42	8.75	8.80	8.76	8.94	9.37	9.50	9.57	9.71	9.71	9.61	9.66	9.59	9.62	9.63	9.62	9.67	9.59	9.59	-0.4%
Jet Fuel 7/	7.45	6.06	5.82	5.59	5.67	5.67	5.61	5.79	5.84	6.01	6.12	6.22	6.28	6.40	6.51	6.66	6.70	6.72	6.74	6.75	6.76	-0.5%
Motor Gasoline 8/	11.47	11.70	10.53	10.29	10.27	10.37	10.61	10.59	10.58	10.61	10.61	10.61	10.61	10.61	10.61	10.61	10.62	10.62	10.62	10.62	10.62	-0.4%
Residual Fuel	3.79	3.37	3.06	3.23	3.26	3.28	3.29	3.30	3.32	3.34	3.35	3.37	3.39	3.41	3.43	3.45	3.47	3.49	3.51	3.53	3.55	-0.3%
Liquefied Petroleum Gas 9/	16.52	14.14	13.91	15.25	15.40	15.27	15.27	15.27	15.27	15.28	15.39	15.39	15.57	15.51	15.51	15.59	15.60	15.61	15.61	15.62	15.62	-0.3%
Natural Gas 10/	8.16	8.29	6.27	6.59	6.74	6.79	6.81	6.85	6.93	6.98	7.03	7.12	7.17	7.20	7.23	7.27	7.29	7.33	7.36	7.39	7.42	-0.5%
Ethanol (E85) 11/	17.33	17.33	17.33	19.46	20.20	19.69	20.09	20.08	20.08	20.58	21.09	21.19	22.04	22.12	22.19	22.27	22.34	21.78	21.88	21.99	22.10	1.2%
Electricity	19.96	19.44	18.58	16.95	16.12	15.26	15.10	15.74	16.41	17.01	17.57	18.01	18.31	18.56	18.78	18.75	18.54	18.19	17.94	17.49	17.03	-0.8%
Average End-Use Energy	11.47	11.51	10.48	10.35	10.43	10.47	10.53	10.59	10.64	10.70	10.77	10.80	10.81	10.83	10.85	10.88	10.94	10.96	11.01	11.03	11.06	-0.2%
Primary Energy	8.87	8.95	7.85	7.76	7.81	7.87	8.00	8.07	8.11	8.18	8.23	8.26	8.28	8.32	8.34	8.38	8.40	8.41	8.43	8.44	8.46	-0.2%
Electricity	20.04	19.72	18.90	18.61	18.74	18.72	18.52	18.50	18.56	18.59	18.69	18.71	18.66	18.60	18.54	18.50	18.61	18.63	18.74	18.75	18.79	-0.3%
Electric Generators 12/																						
Fossil Fuel Average	1.99	1.91	1.60	1.65	1.69	1.65	1.59	1.56	1.57	1.56	1.58	1.62	1.63	1.64	1.66	1.67	1.68	1.68	1.69	1.69	1.69	-0.8%
Petroleum Products	4.45	3.74	3.51	3.76	3.79	3.81	3.82	3.85	3.87	3.90	3.93	3.91	3.97	3.98	4.04	4.06	4.12	4.14	4.16	4.18	4.20	-0.3%
Distillate Fuel	6.57	5.22	4.98	4.65	4.69	4.71	4.70	4.80	4.77	4.97	5.10	5.12	5.21	5.39	5.60	5.72	5.78	5.84	5.86	5.89	5.91	-0.5%
Residual Fuel	4.35	3.69	3.40	3.67	3.70	3.72	3.73	3.75	3.77	3.78	3.80	3.82	3.84	3.85	3.87	3.89	3.91	3.93	3.95	3.97	3.99	-0.4%
Natural Gas	4.51	4.36	2.76	3.13	3.32	3.37	3.35	3.37	3.43	3.48	3.52	3.63	3.71	3.76	3.81	3.86	3.89	3.94	4.00	4.04	4.09	-0.5%
Steam Coal	1.46	1.44	1.35	1.34	1.35	1.29	1.24	1.23	1.22	1.21	1.20	1.20	1.19	1.18	1.17	1.16	1.16	1.15	1.14	1.13	1.12	-1.3%

Table 15. Energy Prices by Sector and Source (2 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
South Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Average Price to All Users 13/																						
Petroleum Products 2/	9.74	9.52	8.94	8.74	8.75	8.81	8.99	9.10	9.13	9.21	9.26	9.28	9.28	9.32	9.33	9.37	9.39	9.38	9.39	9.38	9.39	-0.2%
Distillate Fuel	9.65	9.15	8.62	7.99	8.05	8.04	8.19	8.57	8.67	8.79	8.94	8.96	8.91	9.00	8.99	9.04	9.06	9.08	9.12	9.07	9.07	-0.3%
Jet Fuel	7.45	6.06	5.82	5.59	5.67	5.67	5.61	5.79	5.84	6.01	6.12	6.22	6.28	6.40	6.51	6.66	6.70	6.72	6.74	6.75	6.76	-0.5%
Liquefied Petroleum Gas	14.53	13.06	12.79	13.96	14.13	14.02	14.05	14.08	14.10	14.13	14.26	14.26	14.45	14.40	14.41	14.51	14.53	14.55	14.56	14.58	14.59	0.0%
Motor Gasoline 8/	11.47	11.70	10.53	10.29	10.27	10.37	10.61	10.59	10.58	10.61	10.61	10.61	10.61	10.61	10.61	10.61	10.62	10.62	10.62	10.62	10.62	-0.4%
Residual Fuel	4.02	3.63	3.28	3.49	3.52	3.54	3.55	3.56	3.57	3.59	3.60	3.62	3.64	3.66	3.68	3.70	3.72	3.74	3.76	3.78	3.80	-0.3%
Natural Gas	6.07	6.62	4.35	4.70	4.86	4.89	4.89	4.90	4.94	4.95	4.95	5.01	5.05	5.07	5.09	5.11	5.14	5.18	5.22	5.26	5.32	-0.7%
Coal	1.48	1.46	1.37	1.36	1.37	1.32	1.27	1.25	1.24	1.23	1.22	1.22	1.21	1.20	1.19	1.18	1.18	1.17	1.16	1.15	1.14	-1.3%
Ethanol (E85) 11/	17.33	17.33	17.33	19.46	20.20	19.69	20.09	20.08	20.08	20.58	21.09	21.19	22.04	22.12	22.19	22.27	22.34	21.78	21.88	21.99	22.10	1.2%
Electricity	20.04	19.72	18.90	18.61	18.74	18.72	18.52	18.50	18.56	18.59	18.69	18.71	18.66	18.60	18.54	18.50	18.61	18.63	18.74	18.75	18.79	-0.3%
Non-Renewable Energy Expenditures by																						
Sector (billion 2000 dollars)																						
Residential	30.39	30.55	29.15	29.81	30.68	31.12	31.34	31.76	32.37	32.78	33.34	33.88	34.39	34.71	35.18	35.67	36.44	36.92	37.64	38.24	38.99	1.3%
Commercial	20.20	20.78	19.67	20.39	21.28	21.86	22.25	22.90	23.63	24.40	25.29	26.12	26.88	27.61	28.39	29.17	30.14	31.03	32.06	32.95	33.88	2.6%
Industrial	16.38	14.80	13.45	14.16	14.63	14.94	15.08	15.38	15.69	16.10	16.50	16.91	17.20	17.53	17.86	18.17	18.49	18.70	19.04	19.33	19.64	0.9%
Transportation	50.16	50.58	47.03	47.04	48.21	49.74	51.86	53.60	55.08	56.86	58.52	60.06	61.33	62.77	63.93	65.22	66.49	67.63	68.87	69.95	71.00	1.8%
Total Non-Renewable Expenditures	117.14	116.70	109.30	111.39	114.80	117.66	120.53	123.64	126.77	130.14	133.66	136.98	139.80	142.63	145.36	148.24	151.56	154.28	157.61	160.47	163.51	1.7%
Transportation Renewable Expenditures	0.06	0.07	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.14	0.16	0.16	0.17	0.18	0.19	0.19	0.19	0.20	0.21	6.7%
Total Expenditures	117.20	116.77	109.37	111.47	114.88	117.75	120.63	123.76	126.89	130.27	133.79	137.12	139.95	142.79	145.53	148.41	151.75	154.46	157.80	160.67	163.72	1.7%

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/ Excludes independent power producers.

4/ Includes cogenerators.

5/ Excludes uses for lease and plant fuel.

6/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.

7/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.

8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.

9/ Includes Federal and State taxes while excluding county and local taxes.

10/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).

13/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

14/ 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 are model results and may differ slightly from official EIA data reports.

Sources: 2000 prices for gasoline, distillate, and jet fuel are based on the preliminary Petroleum Marketing Annual 2000, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (August 2001). 2000 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1997, DOE/EIA-0376(97) (Washington, DC, July 2000). 2000 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1994. 2000 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). 2000 coal prices based on EIA, Quarterly Coal Report, DOE/EIA-0121(2000/4Q) (Washington, DC, October-December 2000) and EIA. AEO2001 National Energy Modeling System run aeo2002.d102001b. 2000 electricity prices for commercial, industrial, and transportation: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 16. Energy Prices by Sector and Source (1 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
East South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Residential	16.36	16.22	15.03	14.87	14.98	14.99	14.97	14.93	14.96	14.94	14.95	14.97	14.93	14.86	14.81	14.78	14.85	14.92	14.99	14.99	15.01	-0.4%
Primary Energy 1/	8.60	9.25	7.32	7.64	7.81	7.82	7.79	7.77	7.78	7.78	7.79	7.83	7.87	7.86	7.86	7.87	7.88	7.91	7.93	7.95	7.98	-0.4%
Petroleum Products 2/	13.19	11.80	11.55	11.94	12.12	12.07	12.13	12.21	12.26	12.36	12.53	12.56	12.76	12.77	12.84	12.98	13.02	13.06	13.10	13.15	13.19	0.0%
Distillate Fuel	7.89	8.15	7.41	6.70	6.74	6.76	6.76	6.85	6.82	7.02	7.15	7.17	7.26	7.44	7.65	7.87	7.92	7.96	7.96	8.01	8.09	0.1%
Liquefied Petroleum Gas	14.43	12.82	12.58	13.17	13.36	13.26	13.29	13.33	13.36	13.40	13.54	13.57	13.78	13.74	13.77	13.88	13.92	13.95	13.99	14.02	14.06	-0.1%
Natural Gas	7.67	8.81	6.52	6.84	7.02	7.04	7.00	6.96	6.96	6.94	6.94	6.98	7.01	7.00	7.00	7.00	7.01	7.06	7.09	7.11	7.15	-0.4%
Electricity	22.24	21.42	20.78	20.24	20.28	20.25	20.25	20.21	20.26	20.22	20.23	20.23	20.12	20.00	19.90	19.82	19.94	20.02	20.13	20.11	20.12	-0.5%
Commercial	13.91	14.05	12.93	12.87	13.05	13.13	13.00	12.99	13.07	13.10	13.16	13.23	13.24	13.24	13.23	13.24	13.35	13.44	13.55	13.57	13.62	-0.1%
Primary Energy 1/	6.88	7.83	5.74	6.03	6.20	6.21	6.18	6.16	6.18	6.17	6.19	6.24	6.29	6.30	6.32	6.35	6.37	6.42	6.46	6.49	6.54	-0.2%
Petroleum Products 2/	9.26	7.89	7.62	7.59	7.68	7.65	7.66	7.73	7.72	7.84	7.97	7.99	8.13	8.22	8.35	8.52	8.57	8.62	8.64	8.69	8.75	-0.3%
Distillate Fuel	6.46	5.37	5.12	4.81	4.85	4.87	4.87	4.96	4.93	5.13	5.26	5.28	5.37	5.55	5.76	5.98	6.03	6.07	6.07	6.12	6.20	-0.2%
Residual Fuel	3.99	3.85	3.55	3.42	3.45	3.46	3.48	3.49	3.51	3.53	3.55	3.57	3.59	3.61	3.63	3.65	3.67	3.69	3.71	3.73	3.75	-0.3%
Natural Gas 3/	6.65	7.91	5.56	5.89	6.07	6.10	6.06	6.03	6.04	6.03	6.03	6.08	6.12	6.13	6.14	6.16	6.17	6.22	6.26	6.30	6.35	-0.2%
Electricity	19.42	18.93	18.55	18.23	18.38	18.41	18.14	18.10	18.17	18.18	18.22	18.25	18.17	18.10	18.03	17.97	18.10	18.19	18.31	18.30	18.31	-0.3%
Industrial 4/	6.18	6.00	5.24	5.45	5.56	5.62	5.62	5.67	5.73	5.81	5.90	5.96	6.00	6.06	6.13	6.18	6.23	6.26	6.32	6.37	6.43	0.2%
Primary Energy	4.34	4.20	3.36	3.64	3.73	3.79	3.81	3.86	3.90	4.00	4.07	4.12	4.17	4.22	4.31	4.37	4.40	4.41	4.44	4.49	4.55	0.2%
Petroleum Products 2/	6.50	5.65	5.35	5.73	5.73	5.77	5.82	5.88	5.90	6.07	6.15	6.18	6.24	6.33	6.48	6.60	6.64	6.59	6.60	6.65	6.70	0.2%
Distillate Fuel	6.80	5.70	5.46	5.15	5.19	5.21	5.21	5.31	5.28	5.47	5.61	5.62	5.72	5.90	6.11	6.32	6.37	6.41	6.41	6.47	6.54	-0.2%
Liquefied Petroleum Gas	11.41	9.38	9.15	9.73	9.91	9.81	9.84	9.88	9.91	9.95	10.09	10.12	10.33	10.29	10.32	10.43	10.47	10.50	10.54	10.57	10.61	-0.4%
Residual Fuel	3.74	3.67	3.38	3.16	3.18	3.20	3.22	3.23	3.25	3.27	3.29	3.31	3.33	3.35	3.37	3.39	3.41	3.43	3.45	3.47	3.49	-0.3%
Natural Gas 5/	3.86	4.34	2.42	2.80	3.01	3.10	3.12	3.14	3.21	3.24	3.30	3.37	3.43	3.45	3.48	3.51	3.53	3.59	3.64	3.69	3.75	-0.1%
Metallurgical Coal	1.64	1.67	1.68	1.66	1.66	1.66	1.65	1.65	1.64	1.64	1.63	1.62	1.60	1.59	1.57	1.57	1.56	1.54	1.54	1.52	1.51	-0.4%
Steam Coal	1.47	1.45	1.44	1.42	1.41	1.38	1.37	1.37	1.36	1.34	1.33	1.34	1.33	1.32	1.31	1.30	1.30	1.28	1.27	1.26	1.25	-0.8%
Electricity	12.46	12.13	11.91	11.78	11.91	11.91	11.75	11.73	11.78	11.80	11.87	11.89	11.87	11.86	11.82	11.79	11.87	11.94	12.01	12.01	12.03	-0.2%
Transportation	10.87	10.73	9.81	9.41	9.41	9.49	9.69	9.82	9.84	9.90	9.95	9.95	9.93	9.96	9.95	9.97	9.97	9.97	9.98	9.96	9.95	-0.4%
Primary Energy	10.85	10.71	9.79	9.40	9.40	9.48	9.68	9.81	9.83	9.89	9.94	9.94	9.91	9.94	9.93	9.95	9.95	9.95	9.96	9.94	9.94	-0.4%
Petroleum Products 2/	10.85	10.71	9.79	9.40	9.40	9.48	9.68	9.80	9.83	9.89	9.94	9.94	9.91	9.94	9.93	9.95	9.95	9.95	9.96	9.94	9.94	-0.4%
Distillate Fuel 6/	10.51	10.06	9.44	8.75	8.81	8.76	8.94	9.38	9.51	9.58	9.72	9.72	9.62	9.67	9.60	9.63	9.63	9.63	9.68	9.60	9.60	-0.5%
Jet Fuel 7/	7.27	5.89	5.66	5.39	5.47	5.47	5.42	5.59	5.64	5.82	5.94	6.05	6.13	6.26	6.38	6.54	6.59	6.63	6.65	6.67	6.69	-0.4%
Motor Gasoline 8/	11.77	11.94	10.76	10.47	10.44	10.59	10.85	10.83	10.81	10.85	10.85	10.84	10.84	10.84	10.84	10.84	10.84	10.86	10.86	10.86	10.86	-0.4%
Residual Fuel	2.97	2.98	2.69	2.38	2.41	2.43	2.44	2.45	2.47	2.49	2.51	2.53	2.55	2.57	2.59	2.61	2.63	2.65	2.67	2.69	2.71	-0.4%
Liquefied Petroleum Gas 9/	14.98	13.52	13.29	13.18	13.32	13.19	13.18	13.18	13.19	13.19	13.30	13.30	13.48	13.41	13.41	13.49	13.50	13.51	13.51	13.51	13.52	-0.5%
Natural Gas 10/	8.16	8.63	6.66	7.00	7.19	7.26	7.27	7.30	7.37	7.40	7.45	7.52	7.57	7.60	7.61	7.64	7.66	7.70	7.74	7.78	7.82	-0.2%
Ethanol (E85) 11/	17.33	17.33	17.33	17.71	17.68	17.93	18.32	18.29	18.59	19.11	19.62	19.69	19.76	19.83	19.90	19.96	20.03	20.10	20.17	20.25	20.33	0.8%
Electricity	18.74	18.07	17.62	16.06	15.25	14.51	14.31	14.89	15.53	16.06	16.55	16.97	17.24	17.46	17.63	17.58	17.39	17.10	16.86	16.43	15.99	-0.8%
Average End-Use Energy	10.13	10.10	9.15	9.06	9.14	9.20	9.26	9.32	9.38	9.44	9.50	9.53	9.54	9.57	9.59	9.62	9.67	9.71	9.76	9.78	9.81	-0.2%
Primary Energy	7.96	8.04	6.95	6.92	6.99	7.07	7.18	7.26	7.31	7.39	7.45	7.48	7.50	7.55	7.58	7.63	7.65	7.66	7.69	7.71	7.73	-0.1%
Electricity	17.65	17.23	16.85	16.52	16.62	16.61	16.46	16.41	16.47	16.46	16.49	16.49	16.43	16.36	16.30	16.24	16.35	16.43	16.52	16.51	16.53	-0.3%
Electric Generators 12/																						
Fossil Fuel Average	1.51	1.41	1.26	1.29	1.33	1.34	1.36	1.45	1.51	1.59	1.65	1.72	1.78	1.82	1.90	1.95	1.99	2.03	2.08	2.11	2.15	1.8%
Petroleum Products	4.06	3.74	3.51	3.07	3.05	3.08	3.07	3.13	3.11	3.22	3.22	3.09	3.23	3.22	3.34	3.38	3.55	3.58	3.59	3.62	3.71	-0.4%
Distillate Fuel	6.49	5.56	5.33	4.96	5.00	5.02	5.02	5.12	5.09	5.28	5.41	5.43	5.52	5.70	5.92	6.13	6.18	6.22	6.22	6.28	6.35	-0.1%
Residual Fuel	3.67	3.49	3.17	2.70	2.73	2.75	2.76	2.78	2.80	2.81	2.83	2.85	2.87	2.89	2.91	2.93	2.95	2.97	2.99	3.02	3.04	-0.9%
Natural Gas	4.27	4.11	2.48	2.82	3.10	3.16	3.25	3.38	3.49	3.55	3.60	3.68	3.75	3.78	3.81	3.84	3.87	3.92	3.97	4.02	4.08	-0.2%
Steam Coal	1.25	1.18	1.11	1.11	1.11	1.10	1.07	1.06	1.05	1.03	1.02	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94	0.93	0.92	-1.5%

Table 16. Energy Prices by Sector and Source (2 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
East South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Average Price to All Users 13/																						
Petroleum Products 2/	9.87	9.58	8.83	8.61	8.62	8.70	8.88	9.00	9.04	9.13	9.19	9.19	9.20	9.24	9.26	9.31	9.32	9.32	9.33	9.32	9.33	-0.3%
Distillate Fuel	9.85	9.32	8.77	8.14	8.21	8.18	8.34	8.74	8.85	8.95	9.09	9.11	9.04	9.11	9.08	9.14	9.15	9.16	9.20	9.14	9.15	-0.4%
Jet Fuel	7.27	5.89	5.66	5.39	5.47	5.47	5.42	5.59	5.64	5.82	5.94	6.05	6.13	6.26	6.38	6.54	6.59	6.63	6.65	6.67	6.69	-0.4%
Liquefied Petroleum Gas	12.79	11.02	10.75	11.32	11.51	11.41	11.45	11.48	11.52	11.56	11.70	11.71	11.92	11.87	11.88	12.00	12.03	12.06	12.06	12.06	12.08	-0.3%
Motor Gasoline 8/	11.77	11.94	10.76	10.47	10.44	10.59	10.85	10.83	10.81	10.85	10.85	10.84	10.84	10.84	10.84	10.84	10.84	10.86	10.86	10.86	10.86	-0.4%
Residual Fuel	3.46	3.35	3.01	2.63	2.66	2.68	2.70	2.70	2.72	2.74	2.76	2.78	2.80	2.83	2.85	2.87	2.89	2.91	2.93	2.95	2.97	-0.8%
Natural Gas	5.12	5.86	3.72	4.07	4.25	4.29	4.26	4.22	4.24	4.22	4.23	4.28	4.32	4.32	4.32	4.33	4.35	4.39	4.43	4.47	4.53	-0.6%
Coal	1.27	1.21	1.14	1.14	1.14	1.13	1.10	1.09	1.07	1.06	1.05	1.05	1.04	1.03	1.02	1.01	1.00	0.98	0.97	0.96	0.95	-1.5%
Ethanol (E85) 11/	17.33	17.33	17.33	17.71	17.68	17.93	18.32	18.29	18.59	19.11	19.62	19.69	19.76	19.83	19.90	19.96	20.03	20.10	20.17	20.25	20.33	0.8%
Electricity	17.65	17.23	16.85	16.52	16.62	16.61	16.46	16.41	16.47	16.46	16.49	16.49	16.43	16.36	16.30	16.24	16.35	16.43	16.52	16.51	16.53	-0.3%
Non-Renewable Energy Expenditures by																						
Sector (billion 2000 dollars)																						
Residential	10.34	10.37	9.80	9.94	10.17	10.24	10.33	10.40	10.55	10.61	10.73	10.86	10.97	11.01	11.10	11.20	11.40	11.54	11.72	11.85	12.04	0.8%
Commercial	7.46	7.60	7.17	7.37	7.65	7.84	7.92	8.09	8.31	8.50	8.72	8.94	9.13	9.31	9.49	9.67	9.92	10.16	10.39	10.57	10.76	1.8%
Industrial	10.53	9.67	8.84	9.36	9.68	9.88	9.97	10.15	10.35	10.61	10.88	11.16	11.36	11.57	11.78	11.98	12.19	12.35	12.59	12.79	13.01	1.1%
Transportation	19.83	19.81	18.50	18.29	18.68	19.22	19.93	20.54	20.99	21.55	22.08	22.52	22.84	23.25	23.53	23.87	24.19	24.49	24.80	25.03	25.26	1.2%
Total Non-Renewable Expenditures	48.15	47.46	44.32	44.96	46.18	47.18	48.15	49.18	50.20	51.28	52.41	53.48	54.30	55.14	55.90	56.73	57.70	58.54	59.50	60.25	61.06	1.2%
Transportation Renewable Expenditures	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	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	5.7%
Total Expenditures	48.17	47.48	44.34	44.98	46.20	47.21	48.18	49.21	50.24	51.32	52.45	53.52	54.35	55.19	55.95	56.78	57.75	58.59	59.55	60.30	61.12	1.2%

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/ Excludes independent power producers.

4/ Includes cogenerators.

5/ Excludes uses for lease and plant fuel.

6/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.

7/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.

8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.

9/ Includes Federal and State taxes while excluding county and local taxes.

10/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).

13/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

14/ 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 are model results and may differ slightly from official EIA data reports.

Sources: 2000 prices for gasoline, distillate, and jet fuel are based on the preliminary Petroleum Marketing Annual 2000, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (August 2001). 2000 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1997, DOE/EIA-0376(97) (Washington, DC, July 2000). 2000 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1994. 2000 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). 2000 coal prices based on EIA, Quarterly Coal Report, DOE/EIA-0121(2000/4Q) (Washington, DC, October-December 2000) and EIA. AEO2001 National Energy Modeling System run aeo2002.d102001b. 2000 electricity prices for commercial, industrial, and transportation: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 17. Energy Prices by Sector and Source (1 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
West South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Residential	15.85	15.83	14.23	14.24	14.37	14.53	14.44	14.65	14.62	14.49	14.46	14.51	14.64	14.67	14.67	14.75	14.89	15.04	15.20	15.31	15.48	-0.1%
Primary Energy 1/	7.57	8.37	6.23	6.54	6.72	6.75	6.71	6.68	6.69	6.67	6.68	6.72	6.76	6.76	6.75	6.76	6.76	6.81	6.84	6.86	6.90	-0.5%
Petroleum Products 2/	13.42	11.60	11.37	11.82	12.00	11.91	11.94	11.98	12.00	12.05	12.19	12.21	12.41	12.38	12.41	12.53	12.56	12.59	12.62	12.65	12.69	-0.3%
Distillate Fuel	8.39	7.31	6.58	5.89	5.93	5.94	5.93	6.03	6.00	6.20	6.33	6.36	6.45	6.63	6.84	7.06	7.11	7.13	7.13	7.19	7.27	-0.7%
Liquefied Petroleum Gas	13.66	11.84	11.60	11.99	12.17	12.07	12.10	12.14	12.17	12.21	12.35	12.38	12.59	12.55	12.58	12.69	12.73	12.76	12.80	12.83	12.87	-0.3%
Natural Gas	7.23	8.21	5.96	6.26	6.45	6.48	6.45	6.41	6.42	6.41	6.41	6.46	6.50	6.50	6.50	6.51	6.52	6.57	6.60	6.63	6.67	-0.4%
Electricity	21.87	21.30	20.07	19.80	19.83	20.00	19.83	20.22	20.13	19.88	19.78	19.80	19.94	19.96	19.91	20.00	20.17	20.34	20.56	20.69	20.90	-0.2%
Commercial	13.65	14.00	12.76	12.51	12.81	13.09	12.83	12.63	12.53	12.33	12.25	12.28	12.43	12.52	12.55	12.66	12.80	12.97	13.16	13.30	13.50	-0.1%
Primary Energy 1/	5.98	6.81	4.68	4.99	5.16	5.19	5.17	5.15	5.16	5.16	5.18	5.24	5.29	5.31	5.33	5.36	5.38	5.43	5.47	5.51	5.57	-0.4%
Petroleum Products 2/	8.11	6.61	6.32	6.62	6.70	6.68	6.69	6.76	6.76	6.88	6.98	7.00	7.11	7.19	7.31	7.45	7.49	7.51	7.52	7.56	7.61	-0.3%
Distillate Fuel	6.39	5.26	5.01	4.74	4.78	4.79	4.79	4.89	4.86	5.05	5.18	5.21	5.31	5.49	5.70	5.91	5.96	5.99	5.99	6.05	6.12	-0.2%
Residual Fuel	3.45	3.26	2.97	2.91	2.94	2.96	2.98	3.00	3.02	3.04	3.06	3.07	3.09	3.11	3.13	3.15	3.17	3.19	3.21	3.23	3.25	-0.3%
Natural Gas 3/	5.79	6.83	4.52	4.84	5.02	5.06	5.03	5.00	5.02	5.01	5.02	5.08	5.13	5.15	5.16	5.18	5.20	5.26	5.30	5.34	5.40	-0.4%
Electricity	19.07	19.28	18.71	18.08	18.43	18.82	18.31	17.91	17.68	17.26	17.04	17.00	17.16	17.24	17.23	17.36	17.56	17.77	18.03	18.22	18.52	-0.1%
Industrial 4/	7.51	5.96	4.98	5.38	5.57	5.61	5.63	5.68	5.72	5.78	5.88	5.94	6.05	6.07	6.12	6.18	6.22	6.26	6.32	6.39	6.46	-0.7%
Primary Energy	7.18	5.49	4.48	4.92	5.09	5.11	5.14	5.20	5.25	5.32	5.42	5.48	5.59	5.60	5.65	5.71	5.74	5.76	5.81	5.88	5.93	-1.0%
Petroleum Products 2/	9.98	6.68	6.40	6.89	7.00	6.95	6.99	7.04	7.07	7.16	7.27	7.30	7.45	7.45	7.50	7.60	7.63	7.64	7.67	7.70	7.74	-1.3%
Distillate Fuel	6.75	5.66	5.41	5.16	5.20	5.20	5.20	5.30	5.27	5.47	5.60	5.63	5.72	5.90	6.11	6.33	6.38	6.40	6.40	6.46	6.54	-0.2%
Liquefied Petroleum Gas	11.87	7.24	7.00	7.69	7.88	7.78	7.81	7.85	7.88	7.91	8.06	8.09	8.30	8.26	8.29	8.40	8.43	8.47	8.50	8.54	8.58	-1.6%
Residual Fuel	2.65	3.35	3.05	3.09	3.12	3.14	3.16	3.18	3.20	3.22	3.24	3.25	3.27	3.29	3.31	3.33	3.35	3.37	3.39	3.41	3.43	1.3%
Natural Gas 5/	3.93	4.13	2.25	2.61	2.83	2.92	2.94	2.97	3.03	3.07	3.13	3.20	3.26	3.29	3.32	3.35	3.37	3.43	3.48	3.54	3.60	-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Steam Coal	1.35	1.33	1.32	1.28	1.28	1.28	1.27	1.27	1.27	1.25	1.25	1.22	1.22	1.22	1.22	1.21	1.21	1.21	1.20	1.19	1.18	-0.7%
Electricity	11.70	11.88	11.73	11.50	11.81	12.12	11.90	11.71	11.63	11.50	11.49	11.56	11.70	11.75	11.74	11.83	11.94	12.08	12.26	12.39	12.58	0.4%
Transportation	9.54	9.29	8.51	8.33	8.36	8.38	8.52	8.67	8.71	8.78	8.83	8.86	8.85	8.90	8.91	8.95	8.96	8.95	8.96	8.95	8.95	-0.3%
Primary Energy	9.52	9.27	8.49	8.32	8.34	8.37	8.51	8.66	8.70	8.77	8.81	8.84	8.84	8.88	8.89	8.93	8.95	8.94	8.95	8.93	8.93	-0.3%
Petroleum Products 2/	9.52	9.27	8.49	8.32	8.34	8.37	8.51	8.66	8.70	8.77	8.81	8.84	8.84	8.88	8.89	8.93	8.95	8.94	8.95	8.93	8.94	-0.3%
Distillate Fuel 6/	10.20	10.06	9.44	8.76	8.81	8.75	8.95	9.43	9.58	9.65	9.72	9.73	9.62	9.68	9.61	9.63	9.64	9.62	9.67	9.59	9.59	-0.3%
Jet Fuel 7/	6.79	5.42	5.17	5.16	5.23	5.22	5.17	5.34	5.39	5.57	5.69	5.81	5.88	6.01	6.13	6.29	6.33	6.35	6.37	6.38	6.40	-0.3%
Motor Gasoline 8/	11.55	11.81	10.64	10.54	10.52	10.59	10.82	10.80	10.78	10.81	10.81	10.81	10.81	10.81	10.81	10.81	10.82	10.82	10.82	10.83	10.83	-0.3%
Residual Fuel	4.80	3.39	3.10	3.20	3.23	3.25	3.26	3.28	3.30	3.32	3.34	3.35	3.37	3.39	3.41	3.43	3.45	3.47	3.49	3.51	3.53	-1.5%
Liquefied Petroleum Gas 9/	15.00	13.18	12.94	11.89	12.04	11.90	11.90	11.90	11.90	11.90	12.02	12.02	12.19	12.13	12.13	12.21	12.21	12.22	12.22	12.23	12.23	-1.0%
Natural Gas 10/	5.94	5.96	3.95	4.23	4.42	4.52	4.59	4.67	4.79	4.87	4.97	5.08	5.18	5.23	5.28	5.33	5.37	5.44	5.50	5.55	5.60	-0.3%
Ethanol (E85) 11/	17.33	17.33	17.33	19.20	19.94	19.42	19.81	19.80	19.79	20.29	20.80	20.89	21.73	21.81	21.87	21.94	22.01	21.44	21.54	18.56	18.57	0.3%
Electricity	17.46	17.98	17.24	15.56	15.11	14.89	14.58	14.73	15.17	15.46	15.79	16.11	16.46	16.65	16.77	16.82	16.76	16.67	16.62	16.46	16.35	-0.3%
Average End-Use Energy	9.12	8.29	7.25	7.42	7.57	7.63	7.66	7.73	7.77	7.81	7.87	7.92	8.01	8.05	8.08	8.15	8.20	8.25	8.32	8.38	8.44	-0.4%
Primary Energy	7.95	6.97	5.92	6.15	6.28	6.31	6.38	6.46	6.52	6.60	6.68	6.73	6.80	6.84	6.88	6.94	6.97	6.99	7.03	7.07	7.11	-0.6%
Electricity	17.61	17.64	16.98	16.60	16.82	17.08	16.78	16.71	16.59	16.33	16.21	16.21	16.36	16.41	16.39	16.50	16.67	16.84	17.06	17.21	17.45	0.0%
Electric Generators 12/																						
Fossil Fuel Average	2.39	2.32	1.70	1.86	1.94	1.96	1.94	1.92	1.94	1.95	1.98	2.04	2.08	2.11	2.14	2.16	2.18	2.21	2.25	2.27	2.31	-0.2%
Petroleum Products	6.53	4.08	4.06	4.38	4.39	4.43	4.45	4.53	4.51	4.66	4.72	4.71	4.85	4.96	5.09	5.22	5.28	5.30	5.34	5.40	5.29	-1.1%
Distillate Fuel	5.99	5.27	5.04	4.67	4.71	4.72	4.72	4.82	4.79	4.98	5.12	5.15	5.24	5.42	5.63	5.84	5.89	5.92	5.92	5.98	6.05	0.1%
Residual Fuel	6.94	4.00	3.70	3.92	3.94	3.97	3.98	4.00	4.02	4.04	4.06	4.07	4.09	4.11	4.13	4.15	4.17	4.19	4.22	4.24	4.26	-2.4%
Natural Gas	4.21	4.01	2.41	2.75	2.93	3.00	2.99	2.99	3.04	3.06	3.10	3.18	3.25	3.29	3.32	3.35	3.38	3.43	3.49	3.54	3.60	-0.8%
Steam Coal	1.13	1.11	1.15	1.14	1.15	1.14	1.13	1.11	1.10	1.09	1.08	1.07	1.07	1.07	1.06	1.05	1.05	1.04	1.03	1.02	1.01	-0.6%

Table 17. Energy Prices by Sector and Source (2 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
West South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Average Price to All Users 13/																						
Petroleum Products 2/	9.90	8.16	7.64	7.79	7.86	7.86	7.96	8.06	8.10	8.19	8.27	8.30	8.37	8.39	8.42	8.49	8.52	8.52	8.54	8.55	8.57	-0.7%
Distillate Fuel	9.45	9.13	8.61	8.02	8.08	8.05	8.22	8.65	8.77	8.88	8.97	8.99	8.93	9.01	8.99	9.06	9.07	9.07	9.11	9.06	9.06	-0.2%
Jet Fuel	6.79	5.42	5.17	5.16	5.23	5.22	5.17	5.34	5.39	5.57	5.69	5.81	5.88	6.01	6.13	6.29	6.33	6.35	6.37	6.38	6.40	-0.3%
Liquefied Petroleum Gas	11.89	7.32	7.07	7.76	7.94	7.84	7.88	7.91	7.94	7.98	8.12	8.15	8.35	8.32	8.35	8.46	8.49	8.52	8.56	8.60	8.63	-1.6%
Motor Gasoline 8/	11.55	11.81	10.64	10.54	10.52	10.59	10.81	10.80	10.78	10.81	10.81	10.81	10.81	10.81	10.81	10.81	10.82	10.82	10.82	10.83	10.83	-0.3%
Residual Fuel	4.74	3.51	3.13	3.20	3.23	3.25	3.27	3.28	3.30	3.32	3.34	3.35	3.37	3.39	3.41	3.43	3.45	3.47	3.49	3.51	3.53	-1.5%
Natural Gas	4.37	4.60	2.72	3.07	3.27	3.35	3.35	3.37	3.42	3.45	3.49	3.56	3.62	3.64	3.67	3.69	3.72	3.77	3.83	3.88	3.94	-0.5%
Coal	1.14	1.12	1.15	1.15	1.16	1.15	1.13	1.12	1.11	1.10	1.09	1.08	1.08	1.07	1.07	1.06	1.05	1.05	1.04	1.03	1.02	-0.6%
Ethanol (E85) 11/	17.33	17.33	17.33	19.20	19.94	19.42	19.81	19.80	19.79	20.29	20.80	20.89	21.73	21.81	21.87	21.94	22.01	21.44	21.54	18.56	18.57	0.3%
Electricity	17.61	17.64	16.98	16.60	16.82	17.08	16.78	16.71	16.59	16.33	16.21	16.21	16.36	16.41	16.39	16.50	16.67	16.84	17.06	17.21	17.45	0.0%
Non-Renewable Energy Expenditures by																						
Sector (billion 2000 dollars)																						
Residential	16.65	17.07	15.67	16.14	16.59	16.92	17.00	17.43	17.63	17.64	17.84	18.15	18.58	18.81	19.06	19.44	19.92	20.33	20.83	21.28	21.88	1.4%
Commercial	11.49	11.95	11.13	11.32	11.91	12.41	12.40	12.47	12.63	12.69	12.86	13.15	13.53	13.82	14.03	14.31	14.61	14.92	15.25	15.53	15.90	1.6%
Industrial	46.82	34.59	31.11	34.23	35.84	36.56	36.99	37.61	38.25	39.15	40.17	41.40	42.74	43.36	44.04	44.89	45.56	46.14	46.98	47.79	48.71	0.2%
Transportation	39.32	38.21	35.79	36.16	37.16	38.18	39.64	41.20	42.43	43.90	45.23	46.56	47.58	48.80	49.78	50.92	51.95	52.82	53.80	54.65	55.48	1.7%
Total Non-Renewable Expenditures	114.28	101.82	93.69	97.85	101.49	104.06	106.03	108.71	110.93	113.37	116.10	119.26	122.43	124.79	126.92	129.56	132.04	134.21	136.86	139.26	141.97	1.1%
Transportation Renewable Expenditures	0.03	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.08	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.11	0.10	0.10	5.7%
Total Expenditures	114.31	101.86	93.73	97.89	101.54	104.12	106.09	108.78	111.00	113.44	116.18	119.34	122.52	124.89	127.02	129.67	132.15	134.32	136.97	139.36	142.07	1.1%

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/ Excludes independent power producers.

4/ Includes cogenerators.

5/ Excludes uses for lease and plant fuel.

6/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.

7/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.

8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.

9/ Includes Federal and State taxes while excluding county and local taxes.

10/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).

13/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

14/ 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 are model results and may differ slightly from official EIA data reports.

Sources: 2000 prices for gasoline, distillate, and jet fuel are based on the preliminary Petroleum Marketing Annual 2000, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (August 2001). 2000 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1997, DOE/EIA-0376(97) (Washington, DC, July 2000). 2000 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1994. 2000 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). 2000 coal prices based on EIA, Quarterly Coal Report, DOE/EIA-0121(2000/4Q) (Washington, DC, October-December 2000) and EIA. AEO2001 National Energy Modeling System run aeo2002.d102001b. 2000 electricity prices for commercial, industrial, and transportation: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 18. Energy Prices by Sector and Source (1 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
Mountain

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Residential	12.73	13.75	12.18	12.15	12.74	12.90	12.95	12.97	13.08	13.13	13.15	13.27	13.30	13.42	13.38	13.42	13.42	13.46	13.46	13.56	13.57	0.3%
Primary Energy 1/	6.62	8.19	5.84	6.11	6.31	6.34	6.33	6.24	6.27	6.25	6.21	6.22	6.28	6.35	6.36	6.42	6.44	6.44	6.47	6.52	6.59	0.0%
Petroleum Products 2/	10.68	10.24	9.83	9.94	10.10	10.07	10.13	10.22	10.26	10.39	10.56	10.61	10.80	10.85	10.96	11.12	11.18	11.23	11.27	11.33	11.39	0.3%
Distillate Fuel	8.25	8.54	7.81	7.25	7.29	7.30	7.29	7.39	7.36	7.56	7.69	7.72	7.81	7.99	8.21	8.42	8.47	8.50	8.50	8.55	8.63	0.2%
Liquefied Petroleum Gas	12.14	11.40	11.15	11.51	11.69	11.59	11.63	11.66	11.69	11.73	11.87	11.90	12.11	12.07	12.10	12.21	12.25	12.28	12.32	12.35	12.39	0.1%
Natural Gas	6.31	8.06	5.54	5.84	6.04	6.08	6.07	5.97	6.00	5.98	5.93	5.94	5.99	6.07	6.08	6.13	6.15	6.16	6.19	6.24	6.31	0.0%
Electricity	21.73	21.66	21.45	20.86	21.96	22.19	22.29	22.43	22.64	22.72	22.80	23.06	22.98	23.10	22.92	22.83	22.76	22.78	22.71	22.80	22.69	0.2%
Commercial	12.24	13.13	11.80	11.76	12.47	12.46	12.45	12.39	12.42	12.41	12.40	12.59	12.65	12.87	12.83	12.87	12.82	12.85	12.79	12.90	12.87	0.3%
Primary Energy 1/	5.65	7.22	4.83	5.12	5.32	5.36	5.37	5.29	5.33	5.31	5.27	5.29	5.36	5.44	5.46	5.53	5.56	5.57	5.60	5.66	5.73	0.1%
Petroleum Products 2/	9.49	7.90	7.57	7.66	7.74	7.72	7.75	7.82	7.82	7.95	8.07	8.10	8.23	8.32	8.45	8.61	8.66	8.69	8.70	8.75	8.81	-0.4%
Distillate Fuel	7.02	5.96	5.71	5.55	5.59	5.60	5.60	5.70	5.67	5.86	5.99	6.02	6.12	6.30	6.51	6.72	6.77	6.80	6.80	6.86	6.93	-0.1%
Residual Fuel	4.47	3.09	2.79	2.85	2.88	2.90	2.92	2.94	2.96	2.98	3.00	3.02	3.04	3.06	3.08	3.10	3.12	3.14	3.16	3.18	3.20	-1.7%
Natural Gas 3/	5.30	7.16	4.58	4.90	5.10	5.15	5.16	5.07	5.11	5.08	5.03	5.05	5.11	5.20	5.21	5.27	5.30	5.32	5.35	5.41	5.49	0.2%
Electricity	18.77	18.87	18.84	18.50	19.72	19.57	19.46	19.37	19.33	19.28	19.22	19.54	19.54	19.83	19.68	19.64	19.50	19.51	19.35	19.48	19.32	0.1%
Industrial 4/	6.34	6.35	5.70	5.81	6.02	6.08	6.10	6.12	6.15	6.23	6.28	6.34	6.40	6.52	6.60	6.68	6.71	6.74	6.75	6.82	6.86	0.4%
Primary Energy	4.74	4.73	3.94	4.14	4.22	4.28	4.30	4.33	4.36	4.47	4.54	4.56	4.62	4.72	4.84	4.95	4.99	5.02	5.04	5.10	5.17	0.4%
Petroleum Products 2/	6.31	5.84	5.54	5.81	5.82	5.85	5.87	5.92	5.92	6.10	6.20	6.22	6.29	6.43	6.62	6.78	6.82	6.85	6.85	6.89	6.95	0.5%
Distillate Fuel	6.83	6.25	6.02	5.83	5.87	5.88	5.87	5.97	5.94	6.14	6.27	6.30	6.39	6.57	6.78	7.00	7.05	7.08	7.07	7.13	7.21	0.3%
Liquefied Petroleum Gas	10.56	8.33	8.10	8.26	8.45	8.35	8.38	8.42	8.45	8.48	8.63	8.66	8.87	8.83	8.86	8.97	9.00	9.04	9.07	9.11	9.15	-0.7%
Residual Fuel	3.23	3.59	3.30	3.36	3.39	3.41	3.43	3.45	3.47	3.49	3.51	3.53	3.55	3.57	3.59	3.61	3.63	3.65	3.67	3.69	3.71	0.7%
Natural Gas 5/	4.05	4.75	2.67	3.03	3.28	3.38	3.43	3.40	3.50	3.52	3.53	3.56	3.64	3.73	3.77	3.84	3.89	3.91	3.96	4.03	4.13	0.1%
Metallurgical Coal	1.81	1.84	1.83	1.80	1.79	1.77	1.76	1.75	1.73	1.73	1.72	1.71	1.71	1.70	1.68	1.67	1.67	1.65	1.64	1.62	1.60	-0.6%
Steam Coal	1.32	1.36	1.33	1.31	1.31	1.29	1.28	1.26	1.24	1.23	1.22	1.22	1.21	1.20	1.19	1.18	1.17	1.16	1.15	1.14	1.13	-0.8%
Electricity	11.47	11.54	11.58	11.24	11.82	11.80	11.78	11.74	11.72	11.67	11.64	11.76	11.74	11.88	11.81	11.80	11.74	11.75	11.68	11.75	11.69	0.1%
Transportation	11.66	11.32	10.41	10.35	10.35	10.40	10.59	10.71	10.74	10.80	10.84	10.85	10.82	10.84	10.83	10.84	10.85	10.82	10.83	10.80	10.80	-0.4%
Primary Energy	11.64	11.30	10.39	10.33	10.34	10.39	10.57	10.70	10.73	10.79	10.82	10.83	10.80	10.82	10.81	10.82	10.83	10.80	10.81	10.78	10.78	-0.4%
Petroleum Products 2/	11.64	11.30	10.39	10.33	10.34	10.39	10.57	10.70	10.73	10.79	10.83	10.84	10.80	10.82	10.81	10.83	10.83	10.81	10.81	10.79	10.78	-0.4%
Distillate Fuel 6/	11.25	10.79	10.17	9.69	9.74	9.69	9.87	10.30	10.43	10.51	10.65	10.66	10.56	10.61	10.54	10.57	10.57	10.56	10.60	10.53	10.52	-0.3%
Jet Fuel 7/	7.96	6.50	6.26	6.15	6.23	6.22	6.16	6.34	6.39	6.56	6.60	6.64	6.66	6.73	6.79	6.91	6.91	6.89	6.88	6.87	6.86	-0.7%
Motor Gasoline 8/	12.68	12.60	11.42	11.56	11.53	11.64	11.89	11.87	11.85	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.90	11.90	11.90	11.90	11.90	-0.3%
Residual Fuel	3.12	3.29	3.44	4.15	4.08	4.10	4.12	4.13	4.15	4.17	4.19	4.21	4.23	4.25	4.27	4.29	4.31	4.33	4.35	4.38	4.40	1.7%
Liquefied Petroleum Gas 9/	15.66	13.40	13.15	12.28	12.43	12.29	12.29	12.29	12.29	12.29	12.41	12.41	12.58	12.52	12.52	12.60	12.60	12.61	12.61	12.62	12.62	-1.1%
Natural Gas 10/	7.41	8.11	5.84	6.16	6.40	6.50	6.61	6.60	6.72	6.74	6.74	6.78	6.87	6.99	7.03	7.10	7.14	7.17	7.21	7.26	7.33	-0.1%
Ethanol (E85) 11/	17.33	17.33	17.33	19.26	20.01	19.50	19.89	19.89	19.88	20.39	20.90	21.00	21.84	21.92	21.99	22.07	22.14	21.58	21.68	21.79	21.90	1.2%
Electricity	18.74	19.16	19.55	17.41	16.60	15.94	15.84	16.47	17.09	17.54	17.96	18.40	18.59	18.89	18.98	18.94	18.67	18.40	18.09	17.78	17.34	-0.4%
Average End-Use Energy	10.57	10.76	9.75	9.77	10.03	10.09	10.19	10.26	10.31	10.37	10.41	10.48	10.50	10.60	10.60	10.65	10.66	10.67	10.67	10.71	10.72	0.1%
Primary Energy	8.89	9.05	7.84	7.95	8.04	8.11	8.25	8.33	8.38	8.46	8.51	8.55	8.58	8.65	8.68	8.74	8.77	8.77	8.80	8.82	8.85	0.0%
Electricity	17.48	17.65	17.63	17.23	18.22	18.22	18.20	18.20	18.26	18.25	18.24	18.49	18.47	18.66	18.54	18.51	18.42	18.44	18.34	18.45	18.34	0.2%
Electric Generators 12/																						
Fossil Fuel Average	1.44	1.50	1.20	1.24	1.27	1.23	1.19	1.14	1.06	1.02	0.99	1.00	0.97	0.95	0.94	0.91	0.89	0.87	0.85	0.83	0.82	-2.8%
Petroleum Products	4.64	4.67	4.57	5.44	5.49	5.45	5.48	5.60	5.67	6.01	6.14	6.18	6.27	6.45	6.66	6.87	6.92	6.95	6.95	7.01	7.08	2.1%
Distillate Fuel	7.99	6.11	5.88	5.70	5.74	5.75	5.75	5.85	5.82	6.01	6.15	6.18	6.27	6.45	6.66	6.87	6.92	6.95	6.95	7.01	7.08	-0.6%
Residual Fuel	4.40	4.34	4.07	4.16	4.19	4.21	4.23	4.25	4.27	4.29	4.31	4.33	4.35	4.37	4.39	4.41	4.43	4.45	4.47	4.50	4.52	0.1%
Natural Gas	4.59	4.79	2.95	3.30	3.59	3.67	3.74	3.70	3.77	3.71	3.64	3.66	3.72	3.82	3.85	3.90	3.91	3.92	3.96	3.98	4.03	-0.6%
Steam Coal	1.04	0.98	1.00	0.98	0.97	0.94	0.90	0.88	0.87	0.85	0.83	0.82	0.79	0.78	0.76	0.75	0.74	0.73	0.71	0.70	0.69	-2.1%

Table 18. Energy Prices by Sector and Source (2 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
Mountain

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Average Price to All Users 13/																						
Petroleum Products 2/	10.61	10.23	9.55	9.59	9.61	9.66	9.83	9.96	9.99	10.08	10.14	10.16	10.16	10.20	10.22	10.27	10.29	10.28	10.29	10.27	10.28	-0.2%
Distillate Fuel	10.19	9.69	9.20	8.80	8.87	8.85	9.01	9.40	9.52	9.63	9.79	9.82	9.77	9.86	9.85	9.92	9.94	9.94	9.98	9.94	9.95	-0.1%
Jet Fuel	7.96	6.50	6.26	6.15	6.23	6.22	6.16	6.34	6.39	6.56	6.60	6.64	6.66	6.73	6.79	6.91	6.91	6.89	6.88	6.87	6.86	-0.7%
Liquefied Petroleum Gas	11.79	10.28	10.01	10.29	10.48	10.38	10.43	10.47	10.51	10.54	10.68	10.71	10.92	10.88	10.89	11.03	11.06	11.10	11.10	11.09	11.11	-0.3%
Motor Gasoline 8/	12.68	12.60	11.42	11.56	11.53	11.64	11.89	11.87	11.85	11.89	11.89	11.89	11.89	11.89	11.89	11.89	11.90	11.90	11.90	11.90	11.90	-0.3%
Residual Fuel	4.32	4.26	3.55	3.12	3.14	3.18	3.18	3.18	3.16	3.14	3.16	3.18	3.20	3.22	3.24	3.26	3.28	3.30	3.32	3.34	3.36	-1.3%
Natural Gas	5.17	6.31	4.11	4.43	4.65	4.73	4.77	4.72	4.84	4.84	4.82	4.82	4.90	5.00	5.02	5.10	5.14	5.15	5.20	5.27	5.35	0.2%
Coal	1.06	1.00	1.01	0.99	0.99	0.95	0.92	0.90	0.88	0.87	0.85	0.84	0.81	0.79	0.78	0.77	0.76	0.74	0.73	0.72	0.70	-2.0%
Ethanol (E85) 11/	17.33	17.33	17.33	19.26	20.01	19.50	19.89	19.89	19.88	20.39	20.90	21.00	21.84	21.92	21.99	22.07	22.14	21.58	21.68	21.79	21.90	1.2%
Electricity	17.48	17.65	17.63	17.23	18.22	18.22	18.20	18.20	18.26	18.25	18.24	18.49	18.47	18.66	18.54	18.51	18.42	18.44	18.34	18.45	18.34	0.2%
Non-Renewable Energy Expenditures by																						
Sector (billion 2000 dollars)																						
Residential	7.78	8.65	7.96	8.21	8.79	8.98	9.15	9.30	9.56	9.72	9.90	10.17	10.38	10.61	10.75	10.95	11.16	11.35	11.55	11.83	12.08	2.2%
Commercial	6.81	7.54	6.99	7.26	7.92	8.09	8.28	8.46	8.72	8.98	9.25	9.68	10.02	10.47	10.74	11.07	11.34	11.68	11.95	12.36	12.64	3.1%
Industrial	5.56	5.44	5.03	5.25	5.55	5.70	5.79	5.89	6.01	6.17	6.32	6.49	6.62	6.85	7.01	7.20	7.31	7.44	7.56	7.75	7.89	1.8%
Transportation	20.47	20.12	18.91	19.62	20.31	21.12	22.17	23.16	24.02	25.01	25.96	26.87	27.62	28.48	29.21	30.02	30.81	31.54	32.33	33.05	33.77	2.5%
Total Non-Renewable Expenditures	40.62	41.75	38.90	40.34	42.57	43.89	45.38	46.82	48.31	49.88	51.43	53.21	54.64	56.42	57.71	59.24	60.62	62.00	63.40	64.99	66.38	2.5%
Transportation Renewable Expenditures	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	7.5%
Total Expenditures	40.64	41.77	38.92	40.36	42.60	43.93	45.42	46.85	48.36	49.93	51.48	53.26	54.70	56.47	57.77	59.31	60.69	62.07	63.47	65.07	66.45	2.5%

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/ Excludes independent power producers.

4/ Includes cogenerators.

5/ Excludes uses for lease and plant fuel.

6/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.

7/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.

8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.

9/ Includes Federal and State taxes while excluding county and local taxes.

10/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).

13/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

14/ 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 are model results and may differ slightly from official EIA data reports.

Sources: 2000 prices for gasoline, distillate, and jet fuel are based on the preliminary Petroleum Marketing Annual 2000, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (August 2001). 2000 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1997, DOE/EIA-0376(97) (Washington, DC, July 2000). 2000 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1994. 2000 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). 2000 coal prices based on EIA, Quarterly Coal Report, DOE/EIA-0121(2000/4Q) (Washington, DC, October-December 2000) and EIA. AEO2001 National Energy Modeling System run aeo2002.d102001b. 2000 electricity prices for commercial, industrial, and transportation: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 19. Energy Prices by Sector and Source (1 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
Pacific

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Residential	14.95	18.11	16.14	15.29	14.92	14.55	14.50	14.51	14.62	14.69	14.69	14.69	14.29	14.31	14.30	14.35	14.43	14.45	14.47	14.48	14.49	-0.2%
Primary Energy 1/	8.07	9.22	6.81	7.08	7.26	7.32	7.35	7.30	7.29	7.26	7.20	7.20	7.23	7.30	7.29	7.32	7.32	7.30	7.30	7.31	7.32	-0.5%
Petroleum Products 2/	12.56	11.90	11.48	11.94	12.12	12.24	12.55	12.82	12.77	12.94	13.14	13.23	13.36	13.51	13.59	13.71	13.80	13.70	13.72	13.87	13.69	0.4%
Distillate Fuel	10.06	9.22	8.49	7.78	7.85	7.87	7.91	7.90	7.97	8.01	7.86	7.79	7.73	7.77	7.78	7.94	8.11	7.88	7.90	8.31	7.94	-1.2%
Liquefied Petroleum Gas	14.93	14.71	14.47	15.63	15.86	15.98	16.44	16.86	16.60	16.78	17.17	17.39	17.70	17.93	18.09	18.17	18.19	18.19	18.19	18.15	18.10	1.0%
Natural Gas	7.73	9.02	6.45	6.71	6.89	6.94	6.96	6.89	6.88	6.82	6.75	6.74	6.77	6.83	6.82	6.84	6.84	6.83	6.83	6.83	6.86	-0.6%
Electricity	25.64	32.29	31.47	28.76	27.34	26.05	25.78	25.86	26.18	26.44	26.56	26.61	25.43	25.29	25.21	25.22	25.43	25.49	25.52	25.50	25.49	0.0%
Commercial	17.54	21.88	19.21	17.69	16.91	16.19	16.04	16.03	16.17	16.26	16.23	16.26	15.55	15.55	15.54	15.59	15.70	15.72	15.73	15.73	15.73	-0.5%
Primary Energy 1/	6.72	7.95	5.66	5.90	6.06	6.11	6.13	6.08	6.08	6.04	5.97	5.97	6.01	6.06	6.06	6.09	6.10	6.08	6.09	6.12	6.13	-0.5%
Petroleum Products 2/	7.48	6.68	6.31	6.33	6.38	6.41	6.49	6.51	6.54	6.58	6.52	6.51	6.50	6.53	6.53	6.63	6.72	6.59	6.60	6.82	6.62	-0.6%
Distillate Fuel	7.46	6.02	5.77	5.45	5.52	5.54	5.58	5.57	5.64	5.68	5.53	5.46	5.40	5.44	5.44	5.60	5.77	5.55	5.57	5.98	5.61	-1.4%
Residual Fuel	3.90	3.82	3.52	3.53	3.56	3.58	3.60	3.61	3.63	3.65	3.67	3.68	3.71	3.73	3.75	3.76	3.78	3.80	3.82	3.84	3.86	-0.1%
Natural Gas 3/	6.80	8.23	5.71	5.97	6.15	6.20	6.22	6.16	6.16	6.11	6.04	6.04	6.08	6.14	6.14	6.16	6.17	6.16	6.17	6.18	6.21	-0.5%
Electricity	26.64	33.89	31.22	28.13	26.32	24.68	24.21	24.13	24.32	24.46	24.41	24.43	23.04	22.90	22.81	22.84	23.01	23.05	23.06	23.02	23.01	-0.7%
Industrial 4/	6.96	7.58	6.08	6.39	6.36	6.30	6.28	6.31	6.33	6.33	6.35	6.42	6.28	6.33	6.38	6.47	6.46	6.37	6.30	6.33	6.32	-0.5%
Primary Energy	5.21	5.14	3.88	4.47	4.62	4.70	4.72	4.74	4.72	4.70	4.70	4.77	4.75	4.83	4.88	4.98	4.95	4.83	4.72	4.76	4.74	-0.5%
Petroleum Products 2/	7.00	5.93	5.65	6.42	6.51	6.59	6.57	6.70	6.61	6.59	6.60	6.74	6.65	6.61	6.70	6.87	6.80	6.54	6.32	6.40	6.26	-0.6%
Distillate Fuel	7.70	6.36	6.13	5.82	5.89	5.91	5.95	5.94	6.01	6.05	5.90	5.84	5.77	5.81	5.82	5.98	6.15	5.92	5.94	6.35	5.99	-1.3%
Liquefied Petroleum Gas	11.95	11.25	11.01	12.31	12.54	12.65	13.11	13.53	13.27	13.45	13.84	14.07	14.37	14.60	14.77	14.84	14.86	14.87	14.86	14.83	14.78	1.1%
Residual Fuel	3.67	3.77	3.46	3.55	3.58	3.59	3.61	3.63	3.64	3.66	3.68	3.70	3.72	3.74	3.76	3.78	3.80	3.82	3.84	3.86	3.87	0.3%
Natural Gas 5/	4.12	4.75	2.70	3.04	3.27	3.38	3.46	3.46	3.51	3.51	3.50	3.51	3.57	3.65	3.67	3.71	3.73	3.73	3.75	3.77	3.81	-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Steam Coal	1.80	1.79	1.77	1.74	1.75	1.73	1.71	1.68	1.66	1.64	1.63	1.63	1.62	1.60	1.59	1.58	1.56	1.54	1.52	1.50	1.48	-0.9%
Electricity	15.70	19.60	17.50	15.84	14.77	13.94	13.73	13.73	13.86	13.97	13.98	13.96	13.20	13.13	13.09	13.10	13.20	13.21	13.20	13.18	13.17	-0.9%
Transportation	11.02	10.38	9.56	9.54	9.60	9.74	9.88	9.95	10.07	10.10	10.05	10.22	10.34	10.24	10.17	10.26	10.12	10.10	10.09	10.11	10.11	-0.4%
Primary Energy	10.99	10.35	9.53	9.52	9.58	9.72	9.86	9.93	10.05	10.07	10.02	10.19	10.31	10.21	10.14	10.23	10.09	10.07	10.06	10.08	10.08	-0.4%
Petroleum Products 2/	10.99	10.35	9.53	9.52	9.58	9.72	9.86	9.93	10.04	10.07	10.02	10.19	10.31	10.21	10.14	10.23	10.09	10.07	10.05	10.08	10.08	-0.4%
Distillate Fuel 6/	11.78	11.26	10.64	9.99	10.02	10.01	10.26	10.74	10.44	10.38	10.50	10.85	11.14	10.78	10.69	10.76	10.39	10.42	10.21	10.22	10.38	-0.6%
Jet Fuel 7/	7.74	6.22	5.99	5.39	5.47	5.49	5.50	5.60	5.61	5.62	5.61	5.70	5.79	5.69	5.67	5.91	5.91	5.90	5.90	5.90	5.89	-1.4%
Motor Gasoline 8/	13.22	12.76	11.59	11.93	11.98	12.23	12.40	12.34	12.63	12.68	12.56	12.75	12.85	12.79	12.71	12.75	12.61	12.58	12.63	12.69	12.65	-0.2%
Residual Fuel	4.51	3.63	3.34	3.48	3.51	3.53	3.54	3.56	3.57	3.59	3.61	3.62	3.65	3.67	3.69	3.71	3.73	3.75	3.76	3.79	3.80	-0.9%
Liquefied Petroleum Gas 9/	15.47	13.92	13.69	14.42	14.61	14.69	15.11	15.50	15.21	15.36	15.72	15.91	16.19	16.39	16.52	16.57	16.56	16.53	16.50	16.43	16.35	0.3%
Natural Gas 10/	7.32	8.04	5.68	5.99	6.21	6.33	6.46	6.49	6.58	6.61	6.61	6.65	6.73	6.83	6.86	6.92	6.95	6.96	6.99	7.01	7.05	-0.2%
Ethanol (E85) 11/	17.33	17.33	17.33	19.23	20.00	19.50	19.85	19.87	19.90	20.39	20.93	21.09	21.97	22.05	22.11	22.20	22.27	21.71	21.82	21.92	22.03	1.2%
Electricity	24.75	24.25	23.76	20.53	19.25	18.21	17.60	18.33	19.15	19.87	20.46	20.82	21.07	21.38	21.62	21.63	21.38	20.94	20.49	19.89	19.27	-1.2%
Average End-Use Energy	11.17	11.99	10.58	10.38	10.28	10.21	10.25	10.30	10.40	10.43	10.41	10.52	10.42	10.39	10.38	10.46	10.42	10.40	10.38	10.41	10.42	-0.3%
Primary Energy	8.88	8.71	7.50	7.71	7.82	7.95	8.04	8.08	8.16	8.17	8.14	8.27	8.35	8.33	8.31	8.40	8.31	8.28	8.24	8.28	8.28	-0.4%
Electricity	23.19	29.26	27.37	24.71	23.27	22.00	21.68	21.66	21.87	22.04	22.04	22.05	20.93	20.82	20.76	20.80	20.96	20.99	20.98	20.96	20.95	-0.5%
Electric Generators 12/																						
Fossil Fuel Average	4.44	4.49	2.68	2.94	3.09	3.14	3.22	3.23	3.27	3.29	3.33	3.39	3.46	3.52	3.56	3.59	3.61	3.62	3.66	3.70	3.74	-0.9%
Petroleum Products	6.03	5.00	4.74	4.69	4.69	4.65	4.56	4.84	4.90	5.11	5.07	5.05	5.02	5.06	5.05	5.20	5.34	5.15	5.27	5.38	5.36	-0.6%
Distillate Fuel	8.00	5.71	5.48	5.10	5.17	5.20	5.24	5.23	5.30	5.33	5.18	5.12	5.06	5.10	5.10	5.26	5.43	5.20	5.35	5.41	5.42	-1.9%
Residual Fuel	4.47	3.95	3.91	4.23	4.20	4.20	4.09	4.33	4.39	4.74	4.85	4.92	4.95	4.97	4.91	5.01	5.03	5.05	5.07	5.09	5.11	0.7%
Natural Gas	4.86	4.92	2.84	3.13	3.29	3.35	3.42	3.43	3.46	3.48	3.53	3.59	3.65	3.71	3.74	3.77	3.79	3.80	3.84	3.86	3.91	-1.1%
Steam Coal	1.46	1.41	1.46	1.47	1.46	1.44	1.43	1.43	1.42	1.41	1.41	1.41	1.41	1.41	1.40	1.40	1.40	1.39	1.39	1.38	1.38	-0.3%

Table 19. Energy Prices by Sector and Source (2 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
Pacific

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Average Price to All Users 13/																						
Petroleum Products 2/	10.42	9.69	9.00	9.11	9.18	9.32	9.43	9.53	9.62	9.65	9.61	9.78	9.87	9.77	9.73	9.83	9.70	9.66	9.62	9.65	9.63	-0.4%
Distillate Fuel	11.07	10.31	9.85	9.26	9.31	9.33	9.55	9.97	9.75	9.72	9.80	10.10	10.33	10.04	9.94	10.04	9.74	9.77	9.59	9.58	9.71	-0.7%
Jet Fuel	7.74	6.22	5.99	5.39	5.47	5.49	5.50	5.60	5.61	5.62	5.61	5.70	5.79	5.69	5.67	5.91	5.91	5.90	5.90	5.90	5.89	-1.4%
Liquefied Petroleum Gas	13.48	12.92	12.65	13.33	13.54	13.64	14.23	14.61	14.41	14.64	15.01	15.17	15.53	15.67	15.78	15.83	15.90	15.97	16.10	16.08	16.02	0.9%
Motor Gasoline 8/	13.22	12.76	11.59	11.93	11.99	12.23	12.40	12.34	12.63	12.69	12.56	12.75	12.85	12.79	12.71	12.75	12.61	12.58	12.63	12.69	12.65	-0.2%
Residual Fuel	4.47	3.65	3.36	3.50	3.53	3.55	3.57	3.58	3.59	3.61	3.62	3.64	3.67	3.69	3.71	3.73	3.75	3.77	3.79	3.81	3.83	-0.8%
Natural Gas	5.46	6.15	3.99	4.29	4.46	4.52	4.53	4.49	4.50	4.48	4.46	4.48	4.52	4.58	4.59	4.62	4.64	4.64	4.65	4.67	4.72	-0.7%
Coal	1.60	1.56	1.59	1.59	1.59	1.57	1.55	1.54	1.53	1.52	1.51	1.52	1.51	1.51	1.50	1.49	1.49	1.48	1.47	1.46	1.45	-0.5%
Ethanol (E85) 11/	17.33	17.33	17.33	19.23	20.00	19.50	19.85	19.87	19.90	20.39	20.93	21.09	21.97	22.05	22.11	22.20	22.27	21.71	21.82	21.92	22.03	1.2%
Electricity	23.19	29.26	27.37	24.71	23.27	22.00	21.68	21.66	21.87	22.04	22.04	22.05	20.93	20.82	20.76	20.80	20.96	20.99	20.98	20.96	20.95	-0.5%
Non-Renewable Energy Expenditures by																						
Sector (billion 2000 dollars)																						
Residential	17.67	21.60	19.52	18.96	18.84	18.53	18.66	18.84	19.19	19.38	19.56	19.79	19.55	19.74	19.94	20.21	20.58	20.75	21.00	21.25	21.56	1.0%
Commercial	18.08	22.51	20.01	19.12	18.99	18.77	19.13	19.62	20.26	20.85	21.31	21.89	21.50	22.06	22.61	23.23	23.96	24.55	25.16	25.76	26.36	1.9%
Industrial	13.38	14.56	11.98	12.30	12.38	12.43	12.59	12.85	13.13	13.39	13.64	13.96	13.81	14.06	14.31	14.67	14.89	14.97	15.10	15.37	15.54	0.8%
Transportation	47.81	44.93	42.30	43.51	44.75	46.47	48.02	49.37	51.11	52.51	53.47	55.69	57.51	58.03	58.71	60.21	60.44	61.36	62.29	63.48	64.36	1.5%
Total Non-Renewable Expenditures	96.94	103.60	93.81	93.89	94.95	96.19	98.41	100.67	103.70	106.14	107.99	111.33	112.37	113.90	115.57	118.32	119.86	121.64	123.55	125.85	127.82	1.4%
Transportation Renewable Expenditures	0.05	0.06	0.05	0.06	0.07	0.08	0.09	0.09	0.10	0.11	0.12	0.12	0.13	0.14	0.14	0.15	0.15	0.16	0.16	0.17	0.17	6.5%
Total Expenditures	96.99	103.66	93.87	93.95	95.02	96.27	98.49	100.76	103.80	106.25	108.10	111.45	112.50	114.03	115.71	118.47	120.01	121.79	123.72	126.02	128.00	1.4%

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/ Excludes independent power producers.

4/ Includes cogenerators.

5/ Excludes uses for lease and plant fuel.

6/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.

7/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.

8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.

9/ Includes Federal and State taxes while excluding county and local taxes.

10/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).

13/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

14/ 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 are model results and may differ slightly from official EIA data reports.

Sources: 2000 prices for gasoline, distillate, and jet fuel are based on the preliminary Petroleum Marketing Annual 2000, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (August 2001). 2000 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1997, DOE/EIA-0376(97) (Washington, DC, July 2000). 2000 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1994. 2000 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). 2000 coal prices based on EIA, Quarterly Coal Report, DOE/EIA-0121(2000/4Q) (Washington, DC, October-December 2000) and EIA. AEO2001 National Energy Modeling System run aeo2002.d102001b. 2000 electricity prices for commercial, industrial, and transportation: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 20. Energy Prices by Sector and Source (1 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
United States

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Residential	14.42	15.05	13.35	13.23	13.33	13.34	13.34	13.35	13.40	13.44	13.50	13.57	13.57	13.62	13.64	13.68	13.77	13.85	13.93	13.98	14.04	-0.1%
Primary Energy 1/	8.26	9.02	6.97	7.16	7.30	7.33	7.30	7.27	7.27	7.27	7.27	7.29	7.32	7.35	7.38	7.40	7.41	7.43	7.44	7.46	7.49	-0.5%
Petroleum Products 2/	10.78	10.00	9.48	9.36	9.45	9.45	9.49	9.53	9.55	9.70	9.84	9.87	9.96	10.07	10.22	10.29	10.32	10.34	10.36	10.39	10.41	-0.2%
Distillate Fuel	9.42	9.04	8.31	7.62	7.66	7.68	7.68	7.68	7.68	7.84	7.94	7.96	8.00	8.17	8.37	8.43	8.46	8.48	8.49	8.53	8.54	-0.5%
Liquefied Petroleum Gas	13.65	12.43	12.20	12.81	12.99	12.91	12.97	13.03	13.05	13.10	13.26	13.31	13.52	13.51	13.55	13.65	13.68	13.71	13.74	13.78	13.81	0.1%
Natural Gas	7.64	8.81	6.37	6.65	6.81	6.85	6.82	6.77	6.78	6.75	6.73	6.76	6.79	6.81	6.82	6.84	6.86	6.88	6.91	6.93	6.97	-0.5%
Electricity	24.36	24.58	23.44	22.69	22.58	22.38	22.32	22.32	22.36	22.35	22.41	22.48	22.34	22.31	22.22	22.18	22.30	22.38	22.48	22.51	22.55	-0.4%
Commercial	14.03	14.90	13.15	12.95	13.03	12.96	12.81	12.77	12.80	12.82	12.89	13.00	12.99	13.07	13.09	13.15	13.25	13.33	13.43	13.49	13.57	-0.2%
Primary Energy 1/	6.31	7.29	5.19	5.42	5.57	5.60	5.59	5.57	5.58	5.58	5.57	5.61	5.65	5.70	5.73	5.77	5.79	5.82	5.85	5.89	5.93	-0.3%
Petroleum Products 2/	7.19	6.46	6.16	6.04	6.09	6.10	6.12	6.14	6.14	6.27	6.36	6.37	6.44	6.55	6.69	6.77	6.81	6.83	6.85	6.90	6.91	-0.2%
Distillate Fuel	7.08	5.92	5.68	5.39	5.43	5.45	5.44	5.46	5.46	5.63	5.73	5.74	5.79	5.96	6.16	6.25	6.30	6.31	6.33	6.38	6.39	-0.5%
Residual Fuel	3.46	3.93	3.62	3.70	3.73	3.75	3.76	3.78	3.79	3.81	3.83	3.84	3.87	3.89	3.91	3.92	3.94	3.96	3.98	4.00	4.02	0.8%
Natural Gas 3/	6.23	7.55	5.08	5.38	5.55	5.58	5.56	5.53	5.55	5.52	5.51	5.55	5.59	5.63	5.64	5.68	5.70	5.74	5.77	5.80	5.86	-0.3%
Electricity	22.11	22.72	21.43	20.79	20.72	20.40	20.02	19.87	19.84	19.80	19.87	19.99	19.85	19.89	19.83	19.85	19.98	20.07	20.20	20.26	20.33	-0.4%
Industrial 4/	6.88	6.30	5.33	5.58	5.70	5.73	5.73	5.78	5.82	5.89	5.97	6.04	6.10	6.15	6.21	6.27	6.31	6.33	6.38	6.43	6.49	-0.3%
Primary Energy	5.69	4.96	3.99	4.32	4.45	4.49	4.52	4.57	4.61	4.68	4.76	4.81	4.88	4.92	4.99	5.05	5.08	5.07	5.10	5.15	5.19	-0.5%
Petroleum Products 2/	8.10	6.20	5.92	6.30	6.36	6.36	6.39	6.47	6.48	6.59	6.69	6.74	6.83	6.87	6.97	7.08	7.10	7.06	7.06	7.11	7.13	-0.6%
Distillate Fuel	7.21	5.99	5.76	5.48	5.52	5.54	5.54	5.62	5.60	5.78	5.89	5.91	5.98	6.15	6.34	6.52	6.58	6.59	6.60	6.68	6.70	-0.4%
Liquefied Petroleum Gas	11.73	7.72	7.47	8.17	8.36	8.28	8.30	8.38	8.40	8.43	8.60	8.64	8.84	8.83	8.87	8.98	9.00	9.02	9.03	9.08	9.11	-1.3%
Residual Fuel	3.27	3.73	3.44	3.52	3.56	3.57	3.59	3.60	3.62	3.64	3.65	3.66	3.68	3.71	3.73	3.74	3.77	3.79	3.81	3.84	3.86	0.8%
Natural Gas 5/	4.31	4.62	2.64	3.00	3.21	3.30	3.32	3.35	3.41	3.43	3.47	3.53	3.58	3.62	3.65	3.69	3.72	3.76	3.80	3.85	3.90	-0.5%
Metallurgical Coal	1.62	1.65	1.64	1.62	1.61	1.60	1.59	1.58	1.57	1.57	1.56	1.55	1.55	1.54	1.52	1.52	1.51	1.50	1.49	1.48	1.46	-0.5%
Steam Coal	1.41	1.41	1.39	1.37	1.36	1.35	1.34	1.33	1.32	1.31	1.30	1.30	1.29	1.28	1.27	1.26	1.26	1.25	1.23	1.22	1.21	-0.8%
Electricity	13.50	13.65	13.02	12.78	12.82	12.72	12.50	12.43	12.44	12.44	12.54	12.62	12.58	12.63	12.61	12.62	12.71	12.81	12.92	12.97	13.04	-0.2%
Transportation	10.88	10.60	9.70	9.52	9.53	9.58	9.76	9.86	9.90	9.96	9.98	10.02	10.02	10.03	10.01	10.04	10.02	10.00	10.00	9.99	9.99	-0.4%
Primary Energy	10.86	10.57	9.68	9.50	9.51	9.57	9.74	9.84	9.89	9.94	9.96	10.00	10.00	10.00	9.99	10.02	10.00	9.98	9.98	9.97	9.96	-0.4%
Petroleum Products 2/	10.86	10.57	9.68	9.50	9.51	9.56	9.74	9.84	9.88	9.93	9.96	10.00	10.00	10.00	9.98	10.01	9.99	9.97	9.97	9.96	9.96	-0.4%
Distillate Fuel 6/	10.81	10.46	9.84	9.23	9.27	9.23	9.43	9.87	9.96	10.01	10.14	10.19	10.13	10.14	10.06	10.09	10.06	10.02	10.03	9.97	9.98	-0.4%
Jet Fuel 7/	7.36	5.93	5.69	5.45	5.52	5.52	5.49	5.63	5.66	5.80	5.87	5.96	6.03	6.09	6.16	6.32	6.34	6.35	6.35	6.36	6.37	-0.7%
Motor Gasoline 8/	12.20	12.15	10.98	10.93	10.92	11.02	11.24	11.22	11.25	11.29	11.27	11.30	11.31	11.29	11.28	11.28	11.27	11.26	11.27	11.28	11.28	-0.4%
Residual Fuel	4.38	3.50	3.21	3.35	3.38	3.40	3.41	3.43	3.45	3.46	3.48	3.50	3.52	3.54	3.56	3.57	3.59	3.61	3.63	3.66	3.67	-0.9%
Liquefied Petroleum Gas 9/	15.91	14.05	13.80	14.09	14.25	14.15	14.23	14.30	14.24	14.27	14.43	14.46	14.64	14.62	14.64	14.70	14.69	14.68	14.67	14.66	14.65	-0.4%
Natural Gas 10/	8.04	8.26	6.11	6.39	6.56	6.64	6.69	6.73	6.81	6.85	6.89	6.95	7.01	7.06	7.09	7.13	7.16	7.19	7.22	7.24	7.28	-0.5%
Ethanol (E85) 11/	17.33	17.33	17.33	18.94	19.64	19.17	19.56	19.55	19.57	20.07	20.59	20.69	21.49	21.57	21.64	21.71	21.78	21.25	21.35	21.10	21.19	1.0%
Electricity	21.78	21.03	20.19	18.25	17.41	16.56	16.20	16.67	17.24	17.73	18.20	18.59	18.86	19.11	19.28	19.27	19.11	18.86	18.64	18.28	17.91	-1.0%
Average End-Use Energy	10.40	10.39	9.20	9.18	9.26	9.28	9.32	9.37	9.42	9.47	9.53	9.59	9.61	9.65	9.68	9.73	9.76	9.78	9.83	9.86	9.90	-0.2%
Primary Energy	8.41	8.25	7.07	7.14	7.23	7.28	7.38	7.45	7.50	7.56	7.61	7.66	7.70	7.74	7.76	7.81	7.82	7.82	7.84	7.87	7.89	-0.3%
Electricity	20.20	20.68	19.67	19.11	19.06	18.83	18.61	18.52	18.53	18.52	18.58	18.66	18.56	18.58	18.53	18.53	18.65	18.74	18.85	18.90	18.97	-0.3%
Electric Generators 12/																						
Fossil Fuel Average	1.88	1.86	1.47	1.54	1.59	1.58	1.57	1.56	1.58	1.59	1.61	1.66	1.69	1.72	1.74	1.77	1.78	1.80	1.82	1.84	1.85	-0.1%
Petroleum Products	4.33	3.94	3.75	3.77	3.77	3.80	3.80	3.87	3.89	3.94	3.97	3.98	4.03	4.03	4.11	4.14	4.20	4.17	4.20	4.30	4.27	-0.1%
Distillate Fuel	6.89	5.53	5.21	4.87	4.92	4.93	4.94	5.00	4.99	5.15	5.23	5.24	5.29	5.43	5.56	5.73	5.80	5.84	5.85	5.76	5.87	-0.8%
Residual Fuel	4.11	3.77	3.45	3.49	3.51	3.53	3.53	3.55	3.57	3.59	3.60	3.63	3.64	3.65	3.67	3.69	3.72	3.73	3.75	3.78	3.81	-0.4%
Natural Gas	4.41	4.39	2.59	2.92	3.12	3.19	3.22	3.26	3.31	3.34	3.38	3.46	3.52	3.57	3.61	3.65	3.69	3.73	3.78	3.82	3.87	-0.6%
Steam Coal	1.20	1.20	1.16	1.15	1.15	1.13	1.10	1.09	1.07	1.06	1.05	1.05	1.04	1.03	1.02	1.01	1.01	1.00	0.98	0.97	0.97	-1.1%

Table 20. Energy Prices by Sector and Source (2 of 2)
(2000 Dollars per Million Btu, Unless Otherwise Noted)
United States

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Average Price to All Users 13/																						
Petroleum Products 2/	10.05	9.37	8.74	8.70	8.73	8.78	8.92	9.03	9.07	9.14	9.19	9.24	9.27	9.28	9.30	9.35	9.35	9.33	9.33	9.34	9.34	-0.4%
Distillate Fuel	9.93	9.41	8.89	8.33	8.39	8.38	8.55	8.90	8.98	9.08	9.22	9.27	9.25	9.31	9.31	9.37	9.36	9.34	9.35	9.32	9.33	-0.3%
Jet Fuel	7.36	5.93	5.69	5.45	5.52	5.52	5.49	5.63	5.66	5.80	5.87	5.96	6.03	6.09	6.16	6.32	6.34	6.35	6.35	6.36	6.37	-0.7%
Liquefied Petroleum Gas	12.06	8.60	8.32	8.97	9.16	9.06	9.10	9.16	9.18	9.21	9.37	9.40	9.59	9.56	9.60	9.70	9.72	9.73	9.74	9.77	9.79	-1.0%
Motor Gasoline 8/	12.20	12.15	10.98	10.93	10.92	11.02	11.24	11.22	11.25	11.29	11.27	11.29	11.31	11.29	11.28	11.28	11.27	11.26	11.27	11.28	11.28	-0.4%
Residual Fuel	4.11	3.65	3.31	3.42	3.45	3.46	3.48	3.49	3.51	3.53	3.54	3.56	3.58	3.60	3.62	3.64	3.66	3.68	3.70	3.73	3.75	-0.5%
Natural Gas	5.43	6.10	3.90	4.21	4.40	4.45	4.45	4.44	4.47	4.47	4.47	4.51	4.55	4.57	4.59	4.61	4.63	4.67	4.70	4.74	4.79	-0.6%
Coal	1.22	1.22	1.18	1.17	1.17	1.15	1.12	1.11	1.09	1.08	1.07	1.07	1.06	1.05	1.04	1.03	1.03	1.02	1.00	0.99	0.98	-1.1%
Ethanol (E85) 11/	17.33	17.33	17.33	18.94	19.64	19.17	19.56	19.55	19.57	20.07	20.59	20.69	21.49	21.57	21.64	21.71	21.78	21.25	21.35	21.10	21.19	1.0%
Electricity	20.20	20.68	19.67	19.11	19.06	18.83	18.61	18.52	18.53	18.52	18.58	18.66	18.56	18.58	18.53	18.53	18.65	18.74	18.85	18.90	18.97	-0.3%
Non-Renewable Energy Expenditures by																						
Sector (billion 2000 dollars)																						
Residential	153.41	163.05	148.25	150.43	153.62	154.25	155.24	156.45	158.55	159.58	161.45	163.72	165.60	167.05	168.73	170.74	173.71	175.70	178.39	180.83	184.01	0.9%
Commercial	112.06	120.71	109.24	111.21	114.74	116.21	117.16	118.97	121.43	123.80	126.73	130.15	132.30	135.42	138.02	140.90	144.23	147.38	150.72	153.75	156.92	1.7%
Industrial	142.86	123.83	110.36	117.58	121.76	124.06	125.17	127.38	129.70	132.69	136.11	139.81	142.53	145.17	147.69	150.46	152.77	154.59	157.29	159.96	162.53	0.6%
Transportation	288.38	282.56	264.27	267.21	273.51	281.21	291.52	300.48	308.44	317.23	325.09	333.71	340.28	346.55	351.58	357.95	362.87	367.64	373.04	378.11	382.65	1.4%
Total Non-Renewable Expenditures	696.71	690.15	632.11	646.43	663.64	675.73	689.09	703.28	718.12	733.31	749.39	767.39	780.72	794.19	806.03	820.07	833.58	845.31	859.45	872.66	886.10	1.2%
Transportation Renewable Expenditures	0.31	0.37	0.35	0.38	0.43	0.48	0.53	0.57	0.62	0.66	0.70	0.73	0.79	0.82	0.85	0.88	0.92	0.93	0.96	0.98	1.00	6.1%
Total Expenditures	697.01	690.52	632.46	646.82	664.07	676.21	689.62	703.86	718.74	733.97	750.09	768.12	781.50	795.01	806.88	820.95	834.50	846.24	860.41	873.64	887.11	1.2%

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/ Excludes independent power producers.

4/ Includes cogenerators.

5/ Excludes uses for lease and plant fuel.

6/ Diesel fuel containing 500 parts per million (ppm) or 15 ppm sulfur. Price includes Federal and State taxes while excluding county and local taxes.

7/ Kerosene-type jet fuel. Price includes Federal and State taxes while excluding county and local taxes.

8/ Sales weighted-average price for all grades. Includes Federal, State, and local taxes.

9/ Includes Federal and State taxes while excluding county and local taxes.

10/ Compressed natural gas used as a vehicle fuel. Price includes estimated motor vehicle fuel taxes.

11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline (nonrenewable).

13/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy. Includes small power producers and exempt wholesale generators.

14/ 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 are model results and may differ slightly from official EIA data reports.

Sources: 2000 prices for gasoline, distillate, and jet fuel are based on the preliminary Petroleum Marketing Annual 2000, http://www.eia.doe.gov/pub/oil_gas/petroleum/data_publications/petroleum_marketing_annual/current/pdf/pmaall.pdf (August 2001). 2000 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1997, DOE/EIA-0376(97) (Washington, DC, July 2000). 2000 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1994. 2000 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). 2000 coal prices based on EIA, Quarterly Coal Report, DOE/EIA-0121(2000/4Q) (Washington, DC, October-December 2000) and EIA. AEO2001 National Energy Modeling System run aeo2002.d102001b. 2000 electricity prices for commercial, industrial, and transportation: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 21. Residential Sector Equipment Stock and Efficiency (1 of 2)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Equipment Stock (million units)																						
Main Space Heaters																						
Electric Heat Pumps	10.23	10.58	10.86	11.14	11.44	11.72	11.93	12.14	12.36	12.57	12.77	12.98	13.18	13.37	13.56	13.76	13.96	14.17	14.38	14.59	14.78	1.9%
Electric Other	20.12	20.18	20.20	20.24	20.29	20.33	20.39	20.46	20.53	20.60	20.67	20.73	20.79	20.84	20.89	20.95	21.00	21.07	21.14	21.22	21.29	0.3%
Natural Gas Heat Pumps	0.02	0.02	0.03	0.03	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	0.10	0.10	0.11	0.11	10.2%
Natural Gas Other	55.78	56.39	57.14	57.85	58.57	59.32	60.12	60.93	61.74	62.57	63.42	64.28	65.11	65.91	66.71	67.52	68.34	69.17	70.02	70.87	71.74	1.3%
Distillate	9.41	9.38	9.35	9.33	9.31	9.29	9.27	9.25	9.23	9.21	9.19	9.17	9.15	9.12	9.10	9.07	9.04	9.02	8.99	8.97	8.94	-0.3%
Liquefied Petroleum Gas	4.85	4.87	4.88	4.89	4.90	4.91	4.92	4.93	4.94	4.95	4.95	4.95	4.94	4.93	4.92	4.91	4.89	4.88	4.86	4.85	4.83	0.0%
Kerosene	0.94	0.93	0.92	0.90	0.89	0.87	0.86	0.85	0.84	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	0.71	-1.4%
Wood Stoves	2.18	2.18	2.17	2.17	2.16	2.16	2.15	2.15	2.15	2.14	2.14	2.13	2.13	2.12	2.12	2.12	2.11	2.11	2.11	2.10	2.10	-0.2%
Geothermal Heat Pumps	0.45	0.50	0.53	0.57	0.60	0.64	0.68	0.72	0.77	0.81	0.88	0.95	1.03	1.10	1.17	1.24	1.31	1.39	1.46	1.54	1.62	6.6%
Total	103.98	105.02	106.07	107.12	108.19	109.28	110.37	111.48	112.60	113.74	114.90	116.06	117.18	118.26	119.33	120.41	121.51	122.64	123.79	124.95	126.11	1.0%
Space Cooling (million units)																						
Electric Heat Pumps	10.23	10.58	10.86	11.14	11.44	11.72	11.93	12.14	12.36	12.57	12.77	12.98	13.18	13.37	13.56	13.76	13.96	14.17	14.38	14.59	14.78	1.9%
Natural Gas Heat Pumps	0.02	0.02	0.03	0.03	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	0.10	0.10	0.11	0.11	10.2%
Geothermal Heat Pumps	0.45	0.50	0.53	0.57	0.60	0.64	0.68	0.72	0.77	0.81	0.88	0.95	1.03	1.10	1.17	1.24	1.31	1.39	1.46	1.54	1.62	6.6%
Central Air Conditioners	42.06	42.87	43.76	44.63	45.49	46.39	47.34	48.31	49.28	50.25	51.21	52.18	53.11	54.00	54.89	55.79	56.68	57.59	58.50	59.42	60.34	1.8%
Room Air Conditioners	37.02	36.98	36.95	36.91	36.88	36.85	36.82	36.80	36.78	36.77	36.76	36.76	36.75	36.74	36.73	36.72	36.72	36.72	36.74	36.75	36.78	0.0%
Total	89.78	90.95	92.12	93.28	94.45	95.65	96.83	98.03	99.24	100.46	101.70	102.94	104.14	105.29	106.44	107.60	108.77	109.97	111.18	112.40	113.62	1.2%
Water Heaters (million units)																						
Electric	40.37	40.66	40.82	41.02	41.24	41.45	41.61	41.77	41.95	42.12	42.29	42.47	42.65	42.82	43.00	43.20	43.40	43.63	43.87	44.11	44.33	0.5%
Natural Gas	55.37	56.12	57.02	57.88	58.73	59.62	60.55	61.50	62.45	63.42	64.42	65.43	66.39	67.31	68.23	69.15	70.06	70.99	71.93	72.87	73.84	1.4%
Distillate	5.07	5.04	5.00	4.97	4.95	4.92	4.89	4.86	4.83	4.80	4.77	4.74	4.71	4.68	4.65	4.62	4.59	4.56	4.53	4.50	4.47	-0.6%
Liquefied Petroleum Gas	3.48	3.50	3.52	3.53	3.54	3.55	3.56	3.57	3.59	3.60	3.60	3.60	3.60	3.60	3.59	3.59	3.59	3.58	3.58	3.57	3.57	0.1%
Solar Thermal	0.34	0.35	0.35	0.36	0.37	0.37	0.38	0.39	0.39	0.40	0.41	0.41	0.42	0.43	0.43	0.44	0.44	0.45	0.45	0.46	0.46	1.5%
Total	104.63	105.66	106.71	107.75	108.82	109.91	110.99	112.09	113.21	114.34	115.49	116.66	117.77	118.84	119.91	120.99	122.08	123.21	124.35	125.51	126.67	1.0%
Cooking Equipment (million units) 1/																						
Electric	64.57	65.29	65.95	66.61	67.28	67.94	68.57	69.22	69.89	70.56	71.24	71.93	72.57	73.18	73.79	74.42	75.07	75.78	76.53	77.30	78.08	1.0%
Natural Gas	34.99	35.30	35.69	36.08	36.49	36.92	37.38	37.84	38.30	38.76	39.24	39.74	40.23	40.71	41.20	41.68	42.13	42.57	42.99	43.39	43.79	1.1%
Liquefied Petroleum Gas	4.38	4.38	4.38	4.38	4.37	4.37	4.36	4.36	4.36	4.36	4.35	4.34	4.32	4.30	4.27	4.25	4.23	4.21	4.20	4.19	4.18	-0.2%
Total	103.93	104.97	106.02	107.07	108.13	109.23	110.31	111.42	112.55	113.68	114.83	116.00	117.12	118.19	119.26	120.35	121.44	122.57	123.72	124.88	126.05	1.0%
Clothes Dryers (million units)																						
Electric	59.34	60.39	61.43	62.48	63.54	64.61	65.68	66.75	67.83	68.90	69.98	71.06	72.09	73.08	74.07	75.05	76.03	77.03	78.04	79.04	80.04	1.5%
Natural Gas	16.70	17.12	17.55	17.98	18.41	18.85	19.29	19.73	20.17	20.61	21.05	21.49	21.93	22.37	22.80	23.24	23.68	24.12	24.56	25.00	25.43	2.1%
Total	76.04	77.51	78.98	80.47	81.96	83.47	84.97	86.48	87.99	89.51	91.03	92.55	94.02	95.45	96.87	98.29	99.71	101.15	102.60	104.04	105.47	1.6%
Other Appliances (million units)																						
Refrigerators	118.90	119.98	121.08	122.18	123.30	124.44	125.58	126.74	127.92	129.10	130.31	131.54	132.71	133.84	134.96	136.10	137.25	138.44	139.65	140.87	142.09	0.9%
Freezers	33.68	33.63	33.59	33.55	33.52	33.51	33.52	33.55	33.58	33.61	33.68	33.78	33.89	34.01	34.14	34.31	34.49	34.71	34.95	35.20	35.48	0.3%
Stock Average Equipment Efficiency																						
Main Space Heaters																						
Electric Heat Pumps (HSPF)	7.10	7.15	7.19	7.22	7.23	7.23	7.29	7.33	7.38	7.43	7.48	7.53	7.58	7.64	7.70	7.75	7.80	7.84	7.87	7.89	7.92	0.5%
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	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.41	0.0%
Geothermal Heat Pumps (COP)	3.42	3.43	3.43	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.45	3.45	3.45	3.46	3.46	3.46	3.47	3.47	3.47	3.47	3.52	0.1%
Natural Gas Furnace (AFUE)	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.80	0.80	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.4%
Distillate Furnace (AFUE)	0.79	0.79	0.80	0.80	0.81	0.81	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.2%
Space Cooling																						
Electric Heat Pumps (SEER)	10.55	10.66	10.75	10.82	10.87	10.90	11.07	11.22	11.36	11.51	11.66	11.82	11.97	12.13	12.29	12.43	12.55	12.65	12.73	12.79	12.88	1.0%
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	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.41	0.0%
Geothermal Heat Pumps (EER)	13.72	13.77	13.81	13.85	13.88	13.88	13.88	13.87	13.87	13.86	13.88	13.90	13.91	13.92	13.94	13.95	13.96	13.98	14.00	14.02	14.27	0.2%
Central Air Conditioners (SEER)	10.32	10.43	10.51	10.58	10.64	10.69	10.88	11.05	11.21	11.36	11.52	11.67	11.82	11.97	12.11	12.24	12.35	12.44	12.51	12.57	12.63	1.0%
Room Air Conditioners (EER)	8.71	8.82	8.93	9.04	9.14	9.23	9.30	9.38	9.44	9.49	9.54	9.59	9.63	9.68	9.72	9.75	9.77	9.78	9.79	9.80	9.82	0.6%
Water Heaters																						
Electric (EF)	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.89	0.89	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.91	0.2%
Natural Gas (EF)	0.54	0.54	0.55	0.55	0.55	0.55	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	0.59	0.59	0.4%
Distillate (EF)	0.53	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.0%
Liquefied Petroleum Gas (EF)	0.54	0.55	0.55	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.57	0.58	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.59	0.59	0.4%
Other Appliances (kilowatthours/year) 2/																						
Refrigerators	881.60	858.44	823.78	791.38	761.46	733.89	708.50	684.73	662.36	641.13	621.81	604.43	588.86	575.14	563.02	552.50	543.41	535.68	529.07	523.57	518.71	-2.6%
Freezers	631.13	609.73	586.63	565.06	545.10	527.80	513.78	502.17	492.06	483.40	475.72	469.20	463.66	458.66	454.42	450.89	448.01	445.72	443.92	442.50	441.44	-1.8%

Table 21. Residential Sector Equipment Stock and Efficiency (2 of 2)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Building Shell Efficiency Index																						
Space Heating																						
Pre-1998 Homes	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.93	0.93	0.93	0.93	0.93	0.93	0.92	0.92	0.92	0.92	0.92	0.91	0.91	-0.2%
New Construction	0.86	0.85	0.85	0.85	0.85	0.85	0.86	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.0%
All Homes	0.95	0.94	0.94	0.93	0.93	0.93	0.92	0.92	0.92	0.92	0.92	0.91	0.91	0.91	0.91	0.90	0.90	0.90	0.90	0.90	0.89	-0.3%
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	0.95	0.95	0.95	0.94	0.94	0.94	0.94	0.94	-0.1%
New Construction	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.91	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.0%
All Homes	0.95	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	0.93	0.93	0.93	0.93	0.93	0.93	0.93	-0.1%

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, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 22. Commercial Sector Energy Consumption, Floorspace, and Equipment Efficiency (1 of 2)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Commercial Building Delivered																						
Energy Consumption (quadrillion Btu)1/																						
Assembly	0.53	0.52	0.53	0.54	0.55	0.56	0.56	0.57	0.58	0.58	0.59	0.60	0.60	0.61	0.62	0.62	0.63	0.64	0.65	0.65	0.66	1.1%
Education	0.72	0.71	0.74	0.76	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.91	0.92	0.93	1.3%
Food Sales	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	1.4%
Food Service	0.38	0.39	0.40	0.41	0.42	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.48	0.49	0.49	0.50	0.51	0.51	1.4%
Health Care	0.56	0.56	0.58	0.61	0.63	0.65	0.66	0.68	0.70	0.72	0.74	0.77	0.79	0.81	0.83	0.85	0.87	0.90	0.92	0.94	0.97	2.8%
Lodging	0.54	0.54	0.55	0.57	0.59	0.60	0.61	0.62	0.64	0.65	0.67	0.68	0.70	0.72	0.73	0.75	0.77	0.78	0.80	0.82	0.83	2.2%
Office - Large	0.71	0.72	0.74	0.76	0.79	0.81	0.83	0.85	0.86	0.88	0.90	0.91	0.93	0.95	0.97	0.99	1.00	1.02	1.04	1.05	1.07	2.1%
Office - Small	0.56	0.57	0.58	0.61	0.63	0.64	0.66	0.67	0.69	0.70	0.71	0.73	0.74	0.75	0.77	0.78	0.79	0.80	0.81	0.82	0.83	2.0%
Mercantile/Service	1.15	1.16	1.19	1.22	1.25	1.26	1.28	1.30	1.31	1.33	1.35	1.36	1.37	1.39	1.40	1.41	1.42	1.44	1.45	1.46	1.47	1.2%
Warehouse	0.39	0.40	0.42	0.44	0.46	0.47	0.49	0.50	0.51	0.52	0.54	0.55	0.57	0.58	0.60	0.62	0.63	0.65	0.66	0.68	0.69	2.9%
Other	0.49	0.51	0.53	0.56	0.58	0.60	0.63	0.65	0.68	0.70	0.72	0.75	0.77	0.80	0.83	0.86	0.89	0.91	0.94	0.97	1.00	3.6%
Total	6.17	6.23	6.42	6.65	6.83	6.97	7.11	7.26	7.40	7.55	7.69	7.84	7.99	8.14	8.29	8.44	8.59	8.73	8.88	9.02	9.17	2.0%
Commercial Building Floorspace																						
(billion square feet)																						
Assembly	7.09	7.17	7.23	7.30	7.37	7.44	7.52	7.59	7.66	7.74	7.82	7.90	7.98	8.06	8.14	8.22	8.30	8.38	8.47	8.55	8.63	1.0%
Education	8.54	8.74	8.95	9.15	9.35	9.55	9.74	9.92	10.09	10.26	10.42	10.58	10.73	10.87	11.01	11.15	11.27	11.39	11.49	11.58	11.65	1.6%
Food Sales	0.71	0.73	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.92	0.93	0.94	1.4%
Food Service	1.48	1.51	1.54	1.56	1.58	1.60	1.61	1.62	1.64	1.65	1.67	1.68	1.70	1.71	1.72	1.73	1.75	1.76	1.77	1.78	1.80	1.0%
Health Care	1.86	1.91	1.96	2.00	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.46	2.51	2.57	2.62	2.68	2.74	2.80	2.86	2.92	2.3%
Lodging	4.06	4.15	4.25	4.34	4.43	4.52	4.61	4.69	4.77	4.86	4.95	5.05	5.15	5.26	5.36	5.47	5.57	5.67	5.78	5.88	5.98	2.0%
Office - Large	6.05	6.14	6.24	6.34	6.43	6.52	6.60	6.67	6.74	6.81	6.88	6.96	7.04	7.11	7.19	7.27	7.35	7.43	7.51	7.58	7.66	1.2%
Office - Small	5.74	5.83	5.93	6.03	6.13	6.22	6.30	6.38	6.45	6.52	6.60	6.68	6.76	6.85	6.93	7.02	7.10	7.19	7.27	7.36	7.44	1.3%
Mercantile/Service	13.93	14.21	14.45	14.67	14.89	15.09	15.28	15.46	15.64	15.83	16.01	16.20	16.37	16.53	16.69	16.84	16.99	17.15	17.30	17.46	17.60	1.2%
Warehouse	9.49	9.95	10.34	10.66	10.94	11.18	11.40	11.61	11.80	11.99	12.23	12.51	12.80	13.10	13.38	13.64	13.90	14.17	14.43	14.68	14.93	2.3%
Other	5.55	5.78	5.99	6.20	6.44	6.67	6.90	7.12	7.34	7.55	7.77	7.99	8.21	8.44	8.67	8.90	9.13	9.35	9.58	9.80	10.02	3.0%
Total	64.50	66.10	67.62	69.02	70.38	71.67	72.90	74.07	75.20	76.34	77.55	78.79	80.06	81.32	82.55	83.75	84.95	86.14	87.31	88.45	89.56	1.7%
Stock Average Equipment Efficiency 2/																						
Space Heating																						
Electricity	1.09	1.10	1.10	1.11	1.11	1.11	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	1.12	1.12	0.1%
Natural Gas	0.72	0.73	0.73	0.73	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.4%
Distillate	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.3%
Space Cooling																						
Electricity	2.76	2.79	2.82	2.85	2.87	2.90	2.92	2.95	2.97	3.00	3.02	3.04	3.06	3.08	3.10	3.12	3.13	3.15	3.16	3.18	3.20	0.7%
Natural Gas	0.91	0.93	0.94	0.95	0.96	0.97	0.99	1.00	1.00	1.01	1.02	1.03	1.03	1.04	1.05	1.05	1.05	1.06	1.06	1.07	1.07	0.8%

Table 22. Commercial Sector Energy Consumption, Floorspace, and Equipment Efficiency (2 of 2)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Water Heating																						
Electricity	0.98	0.98	0.99	0.99	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	1.00	1.00	1.00	1.00	0.1%
Natural Gas	0.78	0.79	0.80	0.80	0.81	0.81	0.81	0.82	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.84	0.4%
Distillate	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.2%
Ventilation (cfm per Btu) 3/																						
Electricity	0.40	0.40	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.43	0.43	0.43	0.43	0.44	0.44	0.44	0.45	0.45	0.45	0.46	0.46	0.7%
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	0.74	0.74	0.75	0.75	0.75	0.75	0.75	0.75	0.3%
Natural Gas	0.51	0.52	0.51	0.51	0.51	0.51	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	0.52	0.52	0.1%
Lighting Efficacy 4/																						
(efficacy in lumens per watt)																						
Electricity	48.90	49.57	50.05	50.40	50.69	51.03	51.40	51.73	52.04	52.31	52.57	52.82	53.07	53.30	53.54	53.94	54.33	54.74	55.18	55.60	55.99	0.7%
Refrigeration																						
Electricity	1.31	1.32	1.32	1.32	1.33	1.33	1.33	1.33	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	0.1%

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.

Cfm = Cubic feet per minute.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 23. Industrial Sector Macroeconomic Indicators (1 of 2)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
GDP (billion 1996 dollars)	9224.0	9319.0	9523.3	9826.2	10103.3	10418.5	10718.9	11046.4	11441.6	11866.9	12311.8	12777.0	13166.4	13559.9	13972.7	14399.2	14835.3	15287.3	15717.2	16138.0	16525.5	3.0%
Non-Agricultural Employment (million)	130.1	130.5	130.7	132.7	134.8	136.9	138.8	140.5	142.0	143.5	145.2	146.8	147.6	148.4	149.3	150.2	151.3	152.4	153.2	153.9	154.5	0.9%
Value of Gross Output																						
(billion 1992 dollars)																						
Nonmanufacturing Sector																						
Agricultural	303.3	298.3	289.8	300.9	308.8	316.0	312.0	309.4	315.3	322.2	329.1	335.7	341.4	346.6	351.5	356.5	362.0	367.6	374.1	380.7	385.6	1.2%
Mining	165.6	168.6	169.9	172.5	173.3	174.2	176.8	179.3	181.4	183.3	185.6	188.6	190.8	194.2	197.4	200.6	204.0	206.6	208.8	210.1	212.3	1.3%
Construction	570.4	585.8	589.4	607.2	621.6	636.7	644.6	655.1	667.4	681.1	696.3	704.3	712.1	728.6	747.1	767.5	777.6	788.8	809.1	828.5	846.5	2.0%
Manufacturing Sector																						
Food and Kindred Products	479.5	481.4	488.9	497.5	505.8	514.5	506.5	513.6	522.3	531.7	541.5	551.3	560.4	568.7	577.0	585.3	594.0	603.0	610.8	618.6	624.8	1.3%
Tobacco Products	38.5	38.3	37.6	37.9	37.7	35.9	36.1	36.4	36.6	37.1	37.5	38.4	39.1	39.7	39.8	39.5	39.8	39.4	39.3	38.5	38.2	0.0%
Textile Mill Products	86.7	85.5	85.4	85.1	86.5	87.3	87.8	88.5	88.8	90.2	91.7	93.5	94.9	96.3	97.2	97.6	97.5	97.4	98.5	99.3	99.9	0.7%
Apparel and Other Textile Products	73.9	73.4	75.7	77.6	78.2	79.0	78.8	78.5	75.4	77.4	81.1	82.3	83.9	85.1	85.2	83.8	80.4	81.1	80.9	80.5	78.6	0.3%
Lumber and Wood Products	103.0	103.0	105.2	106.6	109.3	112.0	114.4	117.0	118.9	120.6	122.9	125.1	125.5	126.6	128.2	130.6	132.5	134.4	136.7	138.6	140.2	1.6%
Furniture and Fixtures	51.8	50.9	52.4	55.0	56.2	57.2	58.3	59.8	61.5	63.0	65.2	66.7	67.7	68.7	69.9	70.8	71.6	72.3	72.4	72.1	71.3	1.6%
Paper and Allied Products	154.5	155.1	159.5	164.0	167.6	172.2	176.4	180.6	179.3	181.4	183.6	188.3	192.0	195.1	198.0	200.8	204.1	207.1	209.8	212.2	214.3	1.6%
Printing and Publishing	187.2	188.8	193.2	194.8	196.6	203.3	207.3	209.1	211.5	213.5	216.3	218.6	220.3	221.7	223.1	223.7	224.2	224.7	224.6	224.1	222.9	0.9%
Chemical and Allied Products	356.2	353.9	368.4	375.4	381.5	392.8	404.4	417.8	428.8	442.1	459.3	476.1	486.7	496.4	505.4	516.7	531.7	545.1	559.4	574.2	586.7	2.5%
Bulk Chemicals	178.7	174.0	178.3	183.1	185.7	188.1	190.0	192.7	194.7	198.2	200.6	205.9	209.1	211.5	213.5	215.0	216.7	217.7	219.5	221.1	223.2	1.1%
Other Chemical and Allied Products	177.6	179.9	190.0	192.2	195.8	204.8	214.4	225.2	234.1	243.9	258.7	270.1	277.6	284.8	291.9	301.7	315.0	327.4	339.9	353.1	363.5	3.6%
Petroleum and Coal Products	171.9	170.9	175.6	174.3	178.1	181.7	183.7	187.0	188.9	191.1	193.4	195.3	196.6	198.1	199.7	200.9	201.5	202.1	203.1	204.1	205.0	0.9%
Petroleum Refining	152.6	151.5	155.9	154.3	157.6	160.8	162.6	165.9	167.5	169.5	171.5	173.2	174.4	175.7	177.0	177.9	178.4	178.9	179.6	180.4	181.1	0.9%
Other Petroleum and Coal Products	19.3	19.4	19.6	20.0	20.5	20.9	21.0	21.2	21.4	21.7	21.9	22.1	22.1	22.4	22.7	23.0	23.1	23.2	23.5	23.7	23.9	1.1%
Rubber and Miscellaneous Plastic Products	161.5	160.4	167.7	176.4	182.9	190.4	197.4	204.8	212.4	220.2	229.3	238.3	246.0	253.9	261.7	269.6	277.2	285.3	293.6	301.3	308.4	3.3%
Leather and Leather Products	8.4	7.1	7.4	6.8	4.8	5.2	4.7	4.9	5.1	4.4	4.4	4.7	4.2	4.3	4.4	4.4	4.3	4.1	3.8	3.4	3.3	-4.5%
Stone, Clay, and Glass Products	81.2	82.1	83.8	84.2	85.7	86.3	88.0	89.4	90.5	92.0	91.2	92.9	93.5	94.3	94.9	95.9	97.1	98.5	99.7	100.8	101.7	1.1%
Glass and Glass Products	22.9	22.6	23.0	23.8	24.3	24.2	24.9	25.5	25.7	26.3	26.4	26.9	27.2	27.6	27.7	27.7	27.9	28.5	28.8	29.1	29.3	1.2%
Cement, Hydraulic	5.6	6.2	6.3	6.2	6.3	6.3	6.4	6.5	6.6	6.7	6.5	6.6	6.6	6.6	6.7	6.8	6.9	6.9	7.0	7.1	7.1	1.2%
Other Stone, Clay, & Glass Products	52.7	53.4	54.5	54.2	55.1	55.8	56.6	57.4	58.2	59.1	58.2	59.4	59.7	60.1	60.5	61.4	62.4	63.1	63.9	64.6	65.2	1.1%

Table 23. Industrial Sector Macroeconomic Indicators (2 of 2)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Primary Metals Industry	182.2	174.6	180.3	186.8	189.6	192.6	196.7	200.0	202.9	205.9	210.1	214.2	216.2	218.2	220.0	221.4	222.9	224.7	226.6	227.9	228.5	1.1%
Blast Furnace & Basic Steel Products	70.4	68.0	69.8	72.2	72.8	73.8	74.7	75.6	76.4	77.2	78.7	79.7	80.3	80.8	81.5	82.2	82.7	83.4	84.0	84.4	84.6	0.9%
Aluminum	36.1	33.7	35.0	36.3	37.1	38.0	39.3	40.2	41.0	41.6	42.4	43.4	43.9	44.2	44.4	44.6	44.9	45.1	45.6	45.8	45.9	1.2%
Other Primary Metal Products	75.7	72.9	75.5	78.3	79.6	80.8	82.6	84.2	85.5	87.0	89.0	91.1	92.1	93.2	94.1	94.6	95.3	96.2	97.1	97.7	98.0	1.3%
Fabricated Metal Products	221.8	222.5	229.0	238.2	243.4	248.9	253.7	258.6	263.0	266.8	273.4	278.9	283.1	286.9	290.9	295.4	298.8	302.5	306.8	310.8	313.9	1.8%
Industrial Machinery and Equipment	392.5	383.6	405.4	440.1	469.1	488.9	511.0	534.2	558.7	584.8	615.8	643.6	664.7	689.5	707.6	721.2	732.8	746.2	761.7	777.4	786.5	3.5%
Electronic & Other Electric Equipment	557.5	489.1	524.8	577.1	630.5	681.9	736.9	794.6	857.1	923.2	1000.2	1080.7	1155.5	1232.1	1307.3	1384.0	1464.1	1550.0	1640.0	1728.0	1807.1	6.1%
Transportation Equipment	501.0	484.9	495.4	527.4	545.2	573.7	598.6	616.8	631.8	640.9	655.1	665.9	676.3	684.9	693.9	703.6	709.6	720.4	734.6	746.9	753.4	2.1%
Instruments & Related Products	157.5	165.4	169.1	176.5	182.4	188.3	195.3	202.3	210.5	219.1	228.2	237.5	247.4	256.7	265.7	276.9	288.1	298.9	307.7	314.4	322.8	3.7%
Miscellaneous Manufacturing Industries	55.7	45.8	49.0	52.7	55.4	57.8	60.5	63.5	65.9	69.0	73.1	77.3	80.5	83.5	86.1	88.3	89.9	92.1	93.1	92.5	95.5	2.7%
Total Industrial Gross Output	5061.6	4969.4	5102.7	5315.2	5489.9	5676.8	5829.7	6001.5	6173.9	6360.9	6584.5	6798.2	6978.5	7170.0	7352.1	7535.0	7705.6	7892.2	8095.1	8285.1	8447.4	2.6%

GDP = Gross domestic product.

Note: Totals may not equal sum of components due to independent rounding.

Sources: 2000: DRI-WEFA, Simulation CTL0901. Projections: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 24. Refining Industry Energy Consumption (1 of 1)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Industry Output (billion 1992 dollars)	152.56	151.51	155.94	154.29	157.57	160.78	162.61	165.86	167.49	169.49	171.47	173.19	174.42	175.70	177.04	177.89	178.40	178.88	179.62	180.38	181.10	0.9%
Energy Consumption (trillion Btu)																						
Residual Oil	35.2	35.4	36.1	10.3	10.6	10.5	10.7	10.4	10.8	10.8	11.0	2.5	0.2	30.6	31.0	30.9	30.9	31.0	31.4	33.3	43.8	1.1%
Distillate Oil	4.2	4.2	4.3	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	0.0	0.0	0.0	0.0	0.0	N/A
Liquefied Petroleum Gas	16.3	16.4	16.7	45.4	48.8	51.2	41.8	63.9	63.6	63.7	74.5	83.1	78.3	87.3	108.8	97.7	92.2	84.1	98.6	136.3	147.4	11.6%
Petroleum Coke	579.0	582.1	593.9	702.8	695.3	708.8	745.0	808.2	816.9	837.3	834.1	851.2	841.8	843.0	836.8	838.7	843.3	847.7	850.8	854.7	858.9	2.0%
Still Gas	1431.2	1438.8	1468.2	1522.8	1558.2	1604.2	1654.2	1699.1	1731.3	1750.0	1837.3	1900.2	1897.6	1906.5	1921.2	1925.5	1931.2	1933.0	1934.5	1946.0	1951.1	1.6%
Other Petroleum 2/	39.5	39.7	40.5	7.4	7.5	3.1	6.3	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Petroleum Subtotal	2105.3	2116.6	2159.8	2288.7	2320.3	2377.8	2458.1	2581.6	2623.7	2661.8	2756.8	2837.0	2817.9	2867.3	2897.9	2892.8	2897.6	2895.8	2915.3	2970.3	3001.2	1.8%
Natural Gas	853.2	857.8	875.3	974.9	959.8	957.8	1021.8	1007.6	987.4	997.4	976.6	962.1	984.8	937.6	906.6	936.0	948.7	964.6	948.4	888.8	868.7	0.1%
Steam Coal	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	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	112.0	112.6	114.9	134.4	142.2	149.5	159.7	176.5	172.8	175.5	188.3	195.9	197.1	195.8	198.1	198.7	199.7	199.4	199.7	200.4	199.7	2.9%
Total	3071.4	3087.8	3150.9	3398.0	3422.4	3485.1	3639.6	3765.7	3783.8	3834.7	3921.6	3995.1	3999.8	4000.7	4002.5	4027.6	4046.1	4059.8	4063.4	4059.5	4069.6	1.4%
Energy Consumption per Unit of Output																						
(thousand Btu per 1992 dollar)																						
Residual Oil	0.23	0.23	0.23	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.01	0.00	0.17	0.18	0.17	0.17	0.17	0.17	0.18	0.24	0.2%
Distillate Oil	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.11	0.11	0.11	0.29	0.31	0.32	0.26	0.39	0.38	0.38	0.43	0.48	0.45	0.50	0.61	0.55	0.52	0.47	0.55	0.76	0.81	10.7%
Petroleum Coke	3.79	3.84	3.81	4.56	4.41	4.41	4.58	4.87	4.88	4.94	4.86	4.91	4.83	4.80	4.73	4.71	4.73	4.74	4.74	4.74	4.74	1.1%
Still Gas	9.38	9.50	9.42	9.87	9.89	9.98	10.17	10.24	10.34	10.33	10.72	10.97	10.88	10.85	10.85	10.82	10.83	10.81	10.77	10.79	10.77	0.7%
Other Petroleum 2/	0.26	0.26	0.26	0.05	0.05	0.02	0.04	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	0.00	N/A
Petroleum Subtotal	13.80	13.97	13.85	14.83	14.73	14.79	15.12	15.57	15.66	15.70	16.08	16.38	16.16	16.32	16.37	16.26	16.24	16.19	16.23	16.47	16.57	0.9%
Natural Gas	5.59	5.66	5.61	6.32	6.09	5.96	6.28	6.08	5.90	5.88	5.70	5.56	5.65	5.34	5.12	5.26	5.32	5.39	5.28	4.93	4.80	-0.8%
Steam Coal	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Purchased Electricity	0.73	0.74	0.74	0.87	0.90	0.93	0.98	1.06	1.03	1.04	1.10	1.13	1.13	1.11	1.12	1.12	1.12	1.11	1.11	1.11	1.10	2.1%
Total	20.13	20.38	20.21	22.02	21.72	21.68	22.38	22.70	22.59	22.62	22.87	23.07	22.93	22.77	22.61	22.64	22.68	22.70	22.62	22.51	22.47	0.6%
Carbon Dioxide Emissions 3/																						
(million metric tons carbon equivalent)	52.8	53.1	54.1	58.1	58.8	60.1	62.9	65.4	65.6	66.4	68.3	69.7	69.8	70.0	70.1	70.5	70.8	70.9	71.0	71.1	71.3	1.5%

1/ Fuel consumption includes consumption for cogeneration.

2/ Includes lubricants and miscellaneous petroleum products.

3/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2000 are model results and may differ slightly from official EIA data reports.

Source: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 25. Food Industry Energy Consumption (1 of 1)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Industry Output (billion 1992 dollars)	479.47	481.43	488.88	497.55	505.81	514.53	506.50	513.62	522.25	531.67	541.52	551.27	560.40	568.72	577.04	585.29	594.05	602.96	610.84	618.56	624.77	1.3%
Energy Consumption (trillion Btu)																						
Residual Oil	5.7	5.6	5.5	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	0.2%
Distillate Oil	5.9	6.2	5.5	5.7	5.9	6.0	5.9	5.9	6.0	6.0	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.5	6.5	6.6	0.6%
Liquefied Petroleum Gas	4.3	4.8	4.2	4.3	4.3	4.4	4.3	4.4	4.4	4.5	4.5	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.9	4.9	5.0	0.8%
Other Petroleum 2/	16.1	16.0	14.6	15.1	15.5	15.8	15.6	15.7	15.9	16.1	16.3	16.5	16.7	16.8	17.0	17.1	17.3	17.5	17.6	17.7	17.9	0.5%
Petroleum Subtotal	31.9	32.6	29.9	30.7	31.4	31.8	31.4	31.6	32.0	32.3	32.5	32.9	33.2	33.5	33.7	33.9	34.2	34.6	34.9	35.1	35.4	0.5%
Natural Gas	554.0	548.5	578.4	580.8	584.2	589.5	578.6	583.0	588.0	594.1	600.6	606.9	612.3	617.1	622.1	626.8	632.3	637.8	642.4	646.8	649.6	0.8%
Steam Coal	148.0	151.1	134.1	140.1	144.0	146.5	144.5	146.1	148.5	150.7	153.0	155.4	157.9	160.0	161.9	164.0	166.0	168.3	170.4	172.5	174.3	0.8%
Renewables	141.3	142.3	145.2	148.4	151.5	155.0	153.4	156.4	159.9	163.7	167.7	171.7	175.5	179.1	182.8	186.4	190.2	194.1	197.6	201.0	204.0	1.9%
Purchased Electricity	223.0	223.3	221.1	222.7	224.1	225.8	220.6	221.9	223.8	226.1	228.5	230.9	233.2	235.2	237.2	239.4	241.7	244.1	246.1	248.0	249.2	0.6%
Total	1098.3	1097.8	1108.7	1122.7	1135.2	1148.6	1128.5	1139.1	1152.2	1166.9	1182.3	1197.8	1212.1	1224.9	1237.7	1250.5	1264.5	1278.9	1291.4	1303.4	1312.5	0.9%
Energy Consumption per Unit of Output																						
(thousand Btu per 1992 dollar)																						
Residual 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-1.1%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.7%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.6%
Other Petroleum 2/	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-0.8%
Petroleum Subtotal	0.07	0.07	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	0.06	0.06	0.06	0.06	0.06	0.06	-0.8%
Natural Gas	1.16	1.14	1.18	1.17	1.16	1.15	1.14	1.14	1.13	1.12	1.11	1.10	1.09	1.09	1.08	1.07	1.06	1.06	1.05	1.05	1.04	-0.5%
Steam Coal	0.31	0.31	0.27	0.28	0.28	0.28	0.29	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	0.28	-0.5%
Renewables	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.33	0.5%
Purchased Electricity	0.47	0.46	0.45	0.45	0.44	0.44	0.44	0.43	0.43	0.43	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.40	0.40	0.40	0.40	-0.8%
Total	2.29	2.28	2.27	2.26	2.24	2.23	2.23	2.22	2.21	2.19	2.18	2.17	2.16	2.15	2.14	2.14	2.13	2.12	2.11	2.11	2.10	-0.4%
Carbon Dioxide Emissions 3/																						
(million metric tons carbon equivalent)	23.5	23.6	23.2	23.5	23.7	23.9	23.5	23.7	23.8	24.0	24.2	24.5	24.7	24.9	25.0	25.2	25.5	25.7	25.9	26.1	26.2	0.5%

1/ Fuel consumption includes consumption for cogeneration.

2/ Includes petroleum coke, lubricants, and miscellaneous petroleum products.

3/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2000 are model results and may differ slightly from official EIA data reports.

Source: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 26. Paper Industry Energy Consumption (1 of 1)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Industry Output (billion 1992 dollars)	154.48	155.10	159.47	164.00	167.57	172.17	176.44	180.59	179.26	181.35	183.59	188.28	191.96	195.10	198.02	200.85	204.11	207.09	209.81	212.20	214.26	1.6%
Energy Consumption (trillion Btu)																						
Residual Oil	172.1	164.3	152.2	154.6	155.8	156.8	157.3	157.7	156.5	156.1	155.9	156.6	157.1	157.3	155.4	152.7	150.3	147.8	145.1	142.4	139.6	-1.0%
Distillate Oil	11.9	11.8	10.8	11.1	11.2	11.2	11.2	11.2	11.0	10.9	10.8	10.8	10.8	10.7	10.4	8.7	8.7	8.6	8.6	8.6	8.5	-1.6%
Liquefied Petroleum Gas	4.9	5.4	4.9	5.0	5.0	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.4	5.4	5.5	5.5	5.6	5.6	0.7%
Petroleum Subtotal	188.8	181.6	167.9	170.7	172.0	173.2	173.7	174.2	172.7	172.2	171.8	172.7	173.2	173.3	171.1	166.8	164.4	161.9	159.3	156.5	153.7	-1.0%
Natural Gas	614.1	597.3	630.3	625.1	617.1	614.1	611.6	609.0	594.1	586.9	580.2	578.5	574.5	573.2	578.9	585.2	592.5	599.4	606.2	612.6	618.7	0.0%
Steam Coal	337.3	333.2	300.3	308.3	309.3	309.5	308.2	306.6	300.1	296.8	293.6	293.0	291.7	286.7	276.5	276.0	276.8	277.6	278.5	279.1	279.5	-0.9%
Renewables	1403.4	1410.8	1448.9	1488.6	1521.0	1562.4	1600.8	1638.6	1630.6	1651.4	1673.5	1717.4	1752.1	1782.6	1811.7	1840.2	1872.1	1901.9	1929.5	1954.3	1977.6	1.7%
Purchased Electricity	263.4	262.0	269.1	269.3	268.7	269.7	271.0	272.4	267.0	266.7	266.7	270.3	272.9	275.1	277.4	280.0	283.3	286.4	289.1	291.6	294.1	0.6%
Total	2807.0	2784.9	2816.6	2862.0	2888.2	2929.0	2965.3	3000.8	2964.5	2973.9	2985.9	3031.9	3064.4	3090.8	3115.6	3148.2	3189.1	3227.1	3262.5	3294.2	3323.7	0.8%
Energy Consumption per Unit of Output																						
(thousand Btu per 1992 dollar)																						
Residual Oil	1.11	1.06	0.95	0.94	0.93	0.91	0.89	0.87	0.87	0.86	0.85	0.83	0.82	0.81	0.78	0.76	0.74	0.71	0.69	0.67	0.65	-2.6%
Distillate Oil	0.08	0.08	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	-3.2%
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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-0.9%
Petroleum Subtotal	1.22	1.17	1.05	1.04	1.03	1.01	0.98	0.96	0.96	0.95	0.94	0.92	0.90	0.89	0.86	0.83	0.81	0.78	0.76	0.74	0.72	-2.6%
Natural Gas	3.98	3.85	3.95	3.81	3.68	3.57	3.47	3.37	3.31	3.24	3.16	3.07	2.99	2.94	2.92	2.91	2.90	2.89	2.89	2.89	2.89	-1.6%
Steam Coal	2.18	2.15	1.88	1.88	1.85	1.80	1.75	1.70	1.67	1.64	1.60	1.56	1.52	1.47	1.40	1.37	1.36	1.34	1.33	1.32	1.30	-2.5%
Renewables	9.08	9.10	9.09	9.08	9.08	9.07	9.07	9.07	9.10	9.11	9.12	9.12	9.13	9.14	9.15	9.16	9.17	9.18	9.20	9.21	9.23	0.1%
Purchased Electricity	1.70	1.69	1.69	1.64	1.60	1.57	1.54	1.51	1.49	1.47	1.45	1.44	1.42	1.41	1.40	1.39	1.39	1.38	1.38	1.37	1.37	-1.1%
Total	18.17	17.95	17.66	17.45	17.24	17.01	16.81	16.62	16.54	16.40	16.26	16.10	15.96	15.84	15.73	15.67	15.62	15.58	15.55	15.52	15.51	-0.8%
Carbon Dioxide Emissions 2/																						
(million metric tons carbon equivalent)	34.6	34.1	33.5	33.7	33.5	33.6	33.6	33.7	32.9	32.6	32.3	32.4	32.4	32.3	32.2	32.3	32.5	32.7	32.8	33.0	33.1	-0.2%

1/ Fuel consumption includes consumption for cogeneration.

2/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2000 are model results and may differ slightly from official EIA data reports.

Source: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 27. Bulk Chemical Industry Energy Consumption (1 of 1)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Industry Output (billion 1992 dollars)	178.67	173.96	178.32	183.14	185.72	188.07	190.00	192.67	194.71	198.16	200.64	205.93	209.13	211.53	213.54	214.96	216.71	217.69	219.46	221.14	223.15	1.1%
Energy Consumption (trillion Btu)																						
Heat and Power																						
Residual Oil	34.7	32.2	26.6	28.1	29.0	29.6	29.8	30.2	30.6	31.0	31.4	32.3	32.9	33.2	33.4	33.7	33.9	34.1	34.4	34.7	35.1	0.1%
Distillate Oil	108.9	107.3	98.5	103.3	105.8	107.4	108.3	109.6	110.8	112.4	113.7	116.4	118.1	119.2	120.0	120.6	121.4	122.1	123.1	123.9	125.1	0.7%
Liquefied Petroleum Gas	33.4	55.1	33.3	35.0	36.7	38.2	38.5	38.9	39.7	40.4	40.6	42.2	42.3	43.1	43.5	43.4	43.7	44.3	45.0	45.6	46.6	1.7%
Other Petroleum 2/	301.5	293.4	272.8	285.4	292.2	296.5	299.2	302.9	306.2	310.8	314.6	322.2	327.0	330.2	332.8	334.8	337.2	339.0	341.7	344.3	347.5	0.7%
Petroleum Subtotal	478.4	488.1	431.1	451.7	463.8	471.7	475.8	481.6	487.3	494.6	500.3	513.1	520.3	525.7	529.7	532.6	536.3	539.5	544.2	548.5	554.2	0.7%
Natural Gas	1819.9	1750.1	1876.4	1901.5	1911.3	1923.5	1935.5	1954.3	1964.9	1989.3	2005.5	2044.6	2066.6	2082.3	2095.2	2102.8	2113.8	2116.8	2126.7	2136.0	2147.3	0.8%
Steam Coal	208.3	207.8	191.7	202.6	208.3	212.4	215.2	218.4	221.6	225.9	229.2	235.0	239.1	242.3	244.8	247.0	249.3	251.5	254.3	257.0	260.1	1.1%
Purchased Electricity	516.4	487.6	493.5	505.7	509.3	512.0	513.6	517.7	520.3	527.7	531.7	545.2	552.1	556.4	559.3	560.4	562.5	562.4	564.7	567.0	570.3	0.5%
Total Heat and Power	3023.0	2933.6	2992.8	3061.5	3092.7	3119.6	3140.1	3172.0	3194.1	3237.5	3266.7	3338.0	3378.1	3406.6	3429.0	3442.8	3461.9	3470.1	3490.0	3508.4	3532.0	0.8%
Feedstock																						
Liquefied Petroleum Gas	1902.2	1850.2	1892.5	1938.4	1961.6	1982.4	1999.1	2023.2	2041.1	2073.1	2095.2	2145.6	2174.9	2196.3	2213.7	2225.1	2240.0	2247.3	2262.8	2278.2	2297.0	0.9%
Petrochemical Feedstocks	1532.2	1490.8	1525.0	1561.8	1580.3	1596.8	1610.1	1629.4	1643.6	1669.3	1687.1	1727.7	1751.4	1768.7	1782.8	1792.1	1803.9	1809.7	1821.8	1833.2	1847.3	0.9%
Natural Gas	791.4	769.8	787.4	806.5	816.1	824.8	831.8	841.8	849.2	862.6	871.9	893.0	905.3	914.3	921.6	926.5	932.8	936.0	942.4	948.4	955.8	0.9%
Total Feedstocks	4225.7	4110.8	4204.9	4306.6	4358.0	4404.0	4440.9	4494.4	4533.9	4605.0	4654.2	4766.3	4831.6	4879.2	4918.1	4943.7	4976.8	4992.9	5027.0	5059.8	5100.2	0.9%
Total	7248.7	7044.3	7197.7	7368.2	7450.7	7523.6	7581.1	7666.4	7728.0	7842.4	7920.8	8104.3	8209.7	8285.9	8347.1	8386.5	8438.6	8463.0	8517.0	8568.3	8632.1	0.9%
Energy Consumption per Unit of Output																						
(thousand Btu per 1992 dollar)																						
Heat and Power																						
Residual Oil	0.2	0.2	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	0.2	0.2	0.2	0.2	0.2	0.2	-1.0%
Distillate Oil	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	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	-0.4%
Liquefied Petroleum Gas	0.2	0.3	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	0.2	0.2	0.2	0.2	0.2	0.6%
Other Petroleum	1.7	1.7	1.5	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	1.6	1.6	1.6	1.6	1.6	-0.4%
Petroleum Subtotal	2.7	2.8	2.4	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	2.5	2.5	2.5	2.5	2.5	-0.4%
Natural Gas	10.2	10.1	10.5	10.4	10.3	10.2	10.2	10.1	10.1	10.0	10.0	9.9	9.9	9.8	9.8	9.8	9.8	9.7	9.7	9.7	9.6	-0.3%
Steam Coal	1.2	1.2	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	1.1	1.2	1.2	1.2	1.2	1.2	0.0%
Purchased Electricity	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	-0.6%
Total Heat and Power	16.9	16.9	16.8	16.7	16.7	16.6	16.5	16.5	16.4	16.3	16.3	16.2	16.2	16.1	16.1	16.0	16.0	15.9	15.9	15.9	15.8	-0.3%
Feedstock																						
Liquefied Petroleum Gas	10.6	10.6	10.6	10.6	10.6	10.5	10.5	10.5	10.5	10.5	10.4	10.4	10.4	10.4	10.4	10.4	10.3	10.3	10.3	10.3	10.3	-0.2%
Petrochemical Feedstocks	8.6	8.6	8.6	8.5	8.5	8.5	8.5	8.5	8.4	8.4	8.4	8.4	8.4	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.3	-0.2%
Natural Gas	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	-0.2%
Total Feedstocks	23.7	23.6	23.6	23.5	23.5	23.4	23.4	23.3	23.3	23.2	23.2	23.1	23.1	23.1	23.0	23.0	23.0	22.9	22.9	22.9	22.9	-0.2%
Total	40.6	40.5	40.4	40.2	40.1	40.0	39.9	39.8	39.7	39.6	39.5	39.4	39.3	39.2	39.1	39.0	38.9	38.9	38.8	38.7	38.7	-0.2%
Carbon Dioxide Emissions 3/																						
(million metric tons carbon equivalent)	88.1	85.3	85.8	88.0	88.8	89.7	90.4	91.4	91.8	93.0	93.7	95.8	96.9	97.7	98.2	98.6	99.1	99.3	99.8	100.3	101.0	0.7%

1/ Fuel consumption includes consumption for cogeneration.

2/ Includes petroleum coke, lubricants, and miscellaneous petroleum products.

3/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2000 are model results and may differ slightly from official EIA data reports.

Source: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 28. Glass Industry Energy Consumption (1 of 1)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Industry Output (billion 1992 dollars)	22.90	22.56	23.03	23.78	24.28	24.23	24.92	25.54	25.69	26.28	26.40	26.91	27.20	27.64	27.74	27.73	27.90	28.49	28.75	29.08	29.32	1.2%
Energy Consumption (trillion Btu)																						
Residual Oil	2.6	2.5	1.7	1.9	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	-0.5%
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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Petroleum Subtotal	2.6	2.5	1.7	1.9	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	-0.5%
Natural Gas	161.2	157.3	160.5	163.5	165.0	163.3	165.9	168.1	167.6	169.6	169.0	170.5	170.8	171.9	171.2	170.0	169.8	171.6	171.8	172.2	172.3	0.3%
Purchased Electricity	44.7	44.0	43.8	45.0	45.7	45.4	46.4	47.2	47.3	48.0	48.0	48.6	48.9	49.4	49.4	49.2	49.3	50.0	50.2	50.5	50.7	0.6%
Total	208.4	203.9	206.0	210.4	212.7	210.7	214.4	217.5	217.0	219.8	219.1	221.2	221.9	223.5	222.8	221.5	221.3	223.9	224.3	225.0	225.3	0.4%
Energy Consumption per Unit of Output																						
(thousand Btu per 1992 dollar)																						
Residual Oil	0.11	0.11	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	0.08	0.08	0.08	0.08	0.08	0.08	-1.7%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Petroleum Subtotal	0.11	0.11	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	0.08	0.08	0.08	0.08	0.08	0.08	-1.7%
Natural Gas	7.04	6.98	6.97	6.87	6.80	6.74	6.66	6.58	6.53	6.45	6.40	6.34	6.28	6.22	6.17	6.13	6.09	6.02	5.97	5.92	5.88	-0.9%
Purchased Electricity	1.95	1.95	1.90	1.89	1.88	1.88	1.86	1.85	1.84	1.83	1.82	1.81	1.80	1.79	1.78	1.77	1.77	1.76	1.75	1.74	1.73	-0.6%
Total	9.10	9.04	8.95	8.85	8.76	8.70	8.60	8.51	8.45	8.36	8.30	8.22	8.16	8.08	8.03	7.99	7.93	7.86	7.80	7.74	7.68	-0.8%
Carbon Dioxide Emissions 2/																						
(million metric tons carbon equivalent)	4.6	4.5	4.5	4.6	4.7	4.6	4.7	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.8	4.8	4.9	4.9	4.9	4.9	0.3%

1/ Fuel consumption includes consumption for cogeneration.

2/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2000 are model results and may differ slightly from official EIA data reports.

Source: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 29. Cement Industry Energy Consumption (1 of 1)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Industry Output (billion 1992 dollars)	5.61	6.16	6.27	6.20	6.26	6.33	6.42	6.49	6.57	6.65	6.51	6.59	6.60	6.62	6.68	6.78	6.86	6.92	7.02	7.09	7.14	1.2%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Distillate Oil	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	0.3%
Other Petroleum 2/	58.5	62.7	63.3	62.2	62.4	62.6	62.9	63.1	63.3	63.6	62.0	62.4	62.0	61.9	62.0	62.4	62.7	62.8	63.1	63.3	63.4	0.4%
Petroleum Subtotal	60.4	64.9	65.5	64.4	64.6	64.8	65.1	65.3	65.6	65.8	64.2	64.5	64.2	64.0	64.0	64.5	64.7	64.8	65.2	65.4	65.5	0.4%
Natural Gas	20.0	21.3	32.6	29.5	28.2	27.6	27.3	27.2	26.8	26.6	25.9	25.8	25.3	24.9	24.7	24.6	24.5	24.3	24.2	23.9	23.6	0.8%
Steam Coal	250.4	270.4	261.9	260.3	262.5	264.1	266.1	267.3	269.2	270.7	264.7	266.5	265.8	265.7	266.5	269.0	270.7	271.7	273.9	275.4	276.5	0.5%
Purchased Electricity	41.1	44.2	44.6	43.9	44.2	44.4	44.8	45.1	45.3	45.6	44.4	44.8	44.6	44.6	44.7	45.2	45.5	45.6	46.0	46.2	46.3	0.6%
Total	371.9	400.8	404.7	398.1	399.4	400.9	403.3	404.8	406.9	408.8	399.2	401.5	399.8	399.1	399.9	403.2	405.5	406.4	409.3	410.9	411.8	0.5%
Energy Consumption per Unit of Output																						
(thousand Btu per 1992 dollar)																						
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Distillate Oil	0.34	0.36	0.35	0.36	0.35	0.35	0.35	0.34	0.34	0.33	0.33	0.32	0.32	0.31	0.31	0.30	0.30	0.30	0.29	0.29	0.29	-0.9%
Other Petroleum 2/	10.43	10.19	10.09	10.04	9.96	9.88	9.79	9.72	9.64	9.56	9.52	9.46	9.41	9.35	9.28	9.20	9.13	9.07	9.00	8.93	8.88	-0.8%
Petroleum Subtotal	10.77	10.55	10.44	10.40	10.31	10.23	10.14	10.06	9.97	9.89	9.85	9.79	9.73	9.66	9.59	9.50	9.43	9.37	9.29	9.22	9.16	-0.8%
Natural Gas	3.57	3.45	5.20	4.76	4.50	4.35	4.25	4.19	4.08	4.01	3.97	3.91	3.83	3.75	3.70	3.63	3.58	3.51	3.44	3.38	3.30	-0.4%
Steam Coal	44.64	43.91	41.75	42.00	41.92	41.71	41.44	41.18	40.95	40.70	40.63	40.43	40.29	40.13	39.91	39.67	39.44	39.26	39.04	38.86	38.70	-0.7%
Purchased Electricity	7.34	7.18	7.12	7.09	7.05	7.02	6.98	6.94	6.90	6.86	6.82	6.79	6.76	6.73	6.70	6.66	6.62	6.59	6.55	6.51	6.48	-0.6%
Total	66.32	65.09	64.50	64.24	63.78	63.31	62.81	62.36	61.90	61.46	61.28	60.92	60.61	60.27	59.90	59.46	59.07	58.72	58.33	57.97	57.65	-0.7%
Carbon Dioxide Emissions 3/																						
(million metric tons carbon equivalent)	9.9	10.7	10.6	10.5	10.5	10.6	10.7	10.7	10.8	10.8	10.5	10.6	10.5	10.5	10.5	10.6	10.7	10.7	10.8	10.8	10.9	0.5%

1/ Fuel consumption includes consumption for cogeneration.

2/ Includes petroleum coke, lubricants, and miscellaneous petroleum products.

3/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2000 are model results and may differ slightly from official EIA data reports.

Source: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 30. Iron and Steel Industries Energy Consumption (1 of 1)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Industry Output (billion 1992 dollars)	70.44	68.00	69.81	72.19	72.85	73.75	74.74	75.64	76.45	77.22	78.67	79.73	80.25	80.83	81.52	82.21	82.71	83.36	83.98	84.43	84.58	0.9%
Energy Consumption (trillion Btu)																						
Distillate Oil	5.3	5.1	5.0	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.0	5.0	5.0	5.0	5.0	4.9	-0.4%
Residual Oil	34.5	28.0	22.4	25.4	25.6	25.7	25.6	25.5	25.5	25.3	25.9	26.2	26.0	25.7	25.5	25.4	25.1	25.0	24.9	24.6	24.1	-1.8%
Other Petroleum 2/	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.2	6.1	6.0	-1.3%
Petroleum Subtotal	47.6	40.7	35.0	38.1	38.2	38.2	38.0	37.8	37.7	37.4	37.9	38.2	37.8	37.4	37.1	36.9	36.4	36.2	36.0	35.6	35.1	-1.5%
Natural Gas	513.8	493.8	532.8	534.0	530.2	529.6	530.4	530.8	530.2	530.0	532.9	533.8	532.2	531.4	531.4	531.1	530.4	530.1	529.9	529.0	526.8	0.1%
Metallurgical Coal	692.0	679.4	667.0	654.8	642.8	631.1	619.6	608.3	597.2	586.3	575.6	565.1	554.8	544.6	534.7	524.9	515.4	505.9	496.7	487.6	478.7	-1.8%
Net Coke Imports	51.6	41.6	52.1	65.5	70.7	77.0	83.8	90.2	96.1	102.0	111.1	118.4	123.1	128.2	133.7	139.3	144.0	149.4	154.8	159.3	162.4	5.9%
Steam Coal	107.3	111.3	86.4	91.5	94.0	95.1	95.7	96.2	97.2	97.8	98.9	99.9	100.8	101.5	102.0	102.8	103.3	104.2	105.2	105.9	106.6	0.0%
Coal Subtotal	850.9	832.2	805.5	811.8	807.5	803.2	799.0	794.6	790.5	786.1	785.6	783.4	778.7	774.3	770.4	767.1	762.6	759.6	756.6	752.8	747.7	-0.6%
Purchased Electricity	157.5	151.1	152.5	159.0	160.7	162.8	165.2	167.2	169.0	170.8	174.2	176.7	177.8	179.0	180.5	182.1	183.2	184.7	186.1	187.2	187.6	0.9%
Total	1569.7	1517.9	1525.9	1542.8	1536.5	1533.9	1532.6	1530.5	1527.3	1524.2	1530.6	1532.1	1526.5	1522.1	1519.5	1517.2	1512.7	1510.7	1508.6	1504.6	1497.2	-0.2%
Energy Consumption per Unit of Output																						
(thousand Btu per 1992 dollar)																						
Distillate Oil	0.08	0.07	0.07	0.07	0.07	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	0.06	0.06	0.06	-1.3%
Residual Oil	0.49	0.41	0.32	0.35	0.35	0.35	0.34	0.34	0.33	0.33	0.33	0.33	0.32	0.32	0.31	0.31	0.30	0.30	0.30	0.29	0.29	-2.7%
Other Petroleum 2/	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.09	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	-2.2%
Petroleum Subtotal	0.68	0.60	0.50	0.53	0.52	0.52	0.51	0.50	0.49	0.48	0.48	0.48	0.47	0.46	0.46	0.45	0.44	0.43	0.43	0.42	0.41	-2.4%
Natural Gas	7.29	7.26	7.63	7.40	7.28	7.18	7.10	7.02	6.93	6.86	6.77	6.69	6.63	6.57	6.52	6.46	6.41	6.36	6.31	6.27	6.23	-0.8%
Metallurgical Coal	9.82	9.99	9.55	9.07	8.82	8.56	8.29	8.04	7.81	7.59	7.32	7.09	6.91	6.74	6.56	6.39	6.23	6.07	5.91	5.78	5.66	-2.7%
Net Coke Imports	0.73	0.61	0.75	0.91	0.97	1.04	1.12	1.19	1.26	1.32	1.41	1.49	1.53	1.59	1.64	1.69	1.74	1.79	1.84	1.89	1.92	4.9%
Steam Coal	1.52	1.64	1.24	1.27	1.29	1.29	1.28	1.27	1.27	1.27	1.26	1.25	1.26	1.26	1.25	1.25	1.25	1.25	1.25	1.25	1.26	-0.9%
Coal Subtotal	12.08	12.24	11.54	11.25	11.08	10.89	10.69	10.51	10.34	10.18	9.99	9.83	9.70	9.58	9.45	9.33	9.22	9.11	9.01	8.92	8.84	-1.5%
Purchased Electricity	2.24	2.22	2.19	2.20	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.22	2.22	2.21	2.21	2.22	2.22	2.22	2.22	2.22	2.22	0.0%
Total	22.28	22.32	21.86	21.37	21.09	20.80	20.51	20.23	19.98	19.74	19.45	19.21	19.02	18.83	18.64	18.46	18.29	18.12	17.96	17.82	17.70	-1.1%
Carbon Dioxide Emissions 3/																						
(million metric tons carbon equivalent)	37.8	36.6	36.3	36.9	36.7	36.8	36.8	36.8	36.7	36.6	36.8	36.8	36.7	36.6	36.5	36.5	36.4	36.4	36.3	36.3	36.1	-0.2%

1/ Fuel consumption includes consumption for cogeneration.

2/ Includes petroleum coke, lubricants, and miscellaneous petroleum products.

3/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2000 are model results and may differ slightly from official EIA data reports.

Source: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 31. Aluminum Industry Energy Consumption (1 of 1)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Industry Output (billion 1992 dollars)	36.06	33.66	34.96	36.31	37.15	38.05	39.30	40.20	40.95	41.62	42.42	43.44	43.88	44.16	44.40	44.60	44.92	45.13	45.59	45.78	45.88	1.2%
Energy Consumption (trillion Btu)																						
Distillate Oil	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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	-0.3%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Petroleum Coke	5.4	5.4	5.3	5.2	5.2	5.1	5.0	5.0	4.9	4.8	4.8	4.7	4.6	4.6	4.5	4.4	4.4	4.3	4.3	4.2	4.2	-1.3%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Petroleum Subtotal	6.0	5.9	5.8	5.7	5.7	5.6	5.5	5.5	5.4	5.3	5.3	5.2	5.2	5.1	5.0	4.9	4.9	4.8	4.8	4.7	4.6	-1.2%
Natural Gas	147.8	138.2	141.3	144.0	145.0	146.2	148.2	149.3	150.0	150.4	151.2	152.4	152.3	151.7	151.1	150.3	149.9	149.2	149.1	148.5	147.6	0.0%
Steam Coal	71.6	71.6	71.6	70.3	69.0	67.7	66.5	65.3	64.1	62.9	61.7	60.6	59.5	58.4	57.3	56.3	55.3	54.3	53.3	52.3	51.3	-1.6%
Purchased Electricity	230.0	223.1	222.0	221.1	219.5	218.0	216.9	215.3	213.6	211.7	210.1	208.7	206.6	204.4	202.1	199.8	197.7	195.5	193.6	191.4	189.2	-1.0%
Total	455.4	438.8	440.7	441.2	439.2	437.5	437.1	435.4	433.0	430.4	428.3	427.0	423.6	419.6	415.5	411.4	407.7	403.8	400.7	396.8	392.7	-0.7%
Energy Consumption per Unit of Output																						
(thousand Btu per 1992 dollar)																						
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-1.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Petroleum Coke	0.15	0.16	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	-2.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Petroleum Subtotal	0.17	0.17	0.17	0.16	0.15	0.15	0.14	0.14	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	-2.4%
Natural Gas	4.10	4.11	4.04	3.97	3.90	3.84	3.77	3.71	3.66	3.61	3.56	3.51	3.47	3.44	3.40	3.37	3.34	3.31	3.27	3.24	3.22	-1.2%
Steam Coal	1.99	2.13	2.05	1.94	1.86	1.78	1.69	1.62	1.56	1.51	1.46	1.40	1.36	1.32	1.29	1.26	1.23	1.20	1.17	1.14	1.12	-2.8%
Purchased Electricity	6.38	6.63	6.35	6.09	5.91	5.73	5.52	5.36	5.21	5.09	4.95	4.81	4.71	4.63	4.55	4.48	4.40	4.33	4.25	4.18	4.12	-2.2%
Total	12.63	13.04	12.60	12.15	11.82	11.50	11.12	10.83	10.57	10.34	10.10	9.83	9.65	9.50	9.36	9.22	9.08	8.95	8.79	8.67	8.56	-1.9%
Carbon Dioxide Emissions 2/																						
(million metric tons carbon equivalent)	15.6	15.1	14.8	14.8	14.7	14.6	14.6	14.5	14.3	14.2	14.0	13.9	13.7	13.5	13.3	13.2	13.0	12.9	12.7	12.6	12.4	-1.1%

1/ Fuel consumption includes consumption for cogeneration.

2/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.

Btu = British thermal unit.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2000 are model results and may differ slightly from official EIA data reports.

Source: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 32. Other Industrial Sector Energy Consumption (1 of 2)
(Trillion Btu)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Agriculture																						
Distillate Oil	508.2	503.4	490.9	506.5	517.3	526.9	523.1	520.6	529.3	539.0	548.5	557.3	564.3	570.5	576.4	582.2	588.6	595.1	604.1	613.1	619.3	1.0%
Liquefied Petroleum Gas	211.2	208.6	203.1	209.9	214.4	218.4	216.3	214.9	218.5	222.5	226.4	230.0	233.0	235.6	238.1	240.6	243.3	246.2	250.0	253.8	256.4	1.0%
Motor Gasoline	104.3	103.0	100.3	103.6	105.9	107.8	106.8	106.1	107.9	109.9	111.8	113.6	115.1	116.4	117.7	118.9	120.3	121.7	123.6	125.4	126.7	1.0%
Other Petroleum	101.2	99.9	97.2	100.5	102.7	104.6	103.6	102.9	104.6	106.5	108.4	110.2	111.6	112.9	114.1	115.3	116.7	118.1	119.9	121.6	122.9	1.0%
Petroleum Subtotal	924.9	914.9	891.6	920.5	940.2	957.7	949.7	944.5	960.4	977.8	995.1	1011.1	1024.0	1035.4	1046.3	1057.0	1068.9	1081.1	1097.6	1113.9	1125.3	1.0%
Natural Gas	96.9	96.1	93.8	96.7	98.7	100.4	99.7	99.3	100.9	102.6	104.3	105.9	107.1	108.2	109.2	110.2	111.3	112.5	114.1	115.8	116.8	0.9%
Steam Coal	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	-3.3%
Renewables	23.4	23.3	22.8	23.6	24.3	24.9	24.7	24.7	25.2	25.8	26.4	27.0	27.5	27.9	28.3	28.8	29.2	29.7	30.3	30.9	31.3	1.5%
Purchased Electricity	196.1	193.4	188.2	194.6	198.8	202.6	200.5	199.0	202.4	206.1	209.8	213.2	216.0	218.5	220.9	223.2	225.9	228.5	232.0	235.4	237.8	1.0%
Total	1241.9	1228.3	1196.8	1235.9	1262.4	1285.9	1275.1	1268.0	1289.4	1312.8	1336.1	1357.5	1374.9	1390.3	1405.0	1419.5	1435.6	1452.1	1474.3	1496.3	1511.5	1.0%
Industry Output (billion 1992 dollars)	303.27	298.27	289.84	300.92	308.77	316.03	312.03	309.36	315.33	322.16	329.11	335.72	341.40	346.56	351.53	356.53	361.96	367.56	374.10	380.67	385.59	1.2%
Energy Consumption per Unit of Output																						
(thousand Btu per 1992 dollar)	4.09	4.12	4.13	4.11	4.09	4.07	4.09	4.10	4.09	4.08	4.06	4.04	4.03	4.01	4.00	3.98	3.97	3.95	3.94	3.93	3.92	-0.2%
Carbon Dioxide Emissions 1/																						
(million metric tons carbon equivalent)	28.9	28.6	27.7	28.6	29.1	29.7	29.5	29.3	29.7	30.2	30.7	31.1	31.5	31.8	32.1	32.4	32.8	33.1	33.6	34.1	34.4	0.9%
Construction																						
Distillate Oil	250.6	256.3	257.2	263.8	269.0	274.6	277.2	280.9	285.3	290.2	295.8	298.4	301.0	307.0	313.8	321.2	324.7	328.6	335.9	343.0	349.5	1.7%
Motor Gasoline	76.6	78.3	78.6	80.6	82.2	83.9	84.7	85.8	87.2	88.7	90.4	91.2	92.0	93.8	95.9	98.2	99.2	100.4	102.7	104.8	106.8	1.7%
Asphalt and Road Oil	1359.1	1390.0	1396.2	1431.0	1459.3	1489.2	1503.6	1523.7	1547.4	1574.2	1604.2	1618.6	1632.7	1665.3	1701.8	1742.5	1761.3	1782.4	1822.5	1860.8	1896.9	1.7%
Petroleum Subtotal	1686.3	1724.5	1731.1	1775.5	1810.5	1847.7	1865.6	1890.4	1919.9	1953.1	1990.3	2008.2	2025.7	2066.1	2111.5	2161.9	2185.2	2211.4	2261.1	2308.6	2352.2	1.7%
Natural Gas	104.6	107.0	107.4	110.1	112.3	114.6	115.7	117.2	119.1	121.1	123.4	124.6	125.6	128.1	131.0	134.1	135.5	137.2	140.3	143.2	145.9	1.7%
Purchased Electricity	121.5	124.2	124.7	127.9	130.4	133.1	134.4	136.2	138.3	140.7	143.4	144.7	145.9	148.8	152.1	155.7	157.4	159.3	162.9	166.3	169.4	1.7%
Total	1912.4	1955.7	1963.1	2013.5	2053.2	2095.4	2115.7	2143.8	2177.2	2215.0	2257.1	2277.4	2297.3	2343.1	2394.6	2451.7	2478.2	2507.9	2564.2	2618.1	2667.6	1.7%
Industry Output (billion 1992 dollars)	570.40	585.83	589.43	607.23	621.55	636.68	644.57	655.08	667.35	681.10	696.35	704.26	712.06	728.60	747.10	767.54	777.61	788.80	809.07	828.54	846.49	2.0%
Energy Consumption per Unit of Output																						
(thousand Btu per 1992 dollar)	3.35	3.34	3.33	3.32	3.30	3.29	3.28	3.27	3.26	3.25	3.24	3.23	3.23	3.22	3.21	3.19	3.19	3.18	3.17	3.16	3.15	-0.3%
Carbon Dioxide Emissions 1/																						
(million metric tons carbon equivalent)	14.0	14.4	14.3	14.6	14.9	15.2	15.4	15.6	15.8	16.0	16.3	16.4	16.5	16.8	17.2	17.6	17.7	17.9	18.3	18.7	19.0	1.5%
Mining																						
Residual Oil	44.5	45.0	45.3	45.9	45.9	46.1	46.6	47.1	47.5	47.9	48.4	49.0	49.5	50.3	50.9	51.6	52.4	52.9	53.4	53.6	54.0	1.0%
Distillate Oil	141.5	145.1	145.8	147.5	148.3	149.6	151.3	152.9	154.0	155.2	156.0	157.6	158.2	159.7	160.6	161.3	162.8	163.8	165.2	166.3	168.2	0.9%
Motor Gasoline	18.0	18.2	18.3	18.5	18.5	18.6	18.8	19.0	19.1	19.3	19.5	19.8	20.0	20.3	20.6	20.9	21.2	21.4	21.6	21.7	21.9	1.0%
Other Petroleum	27.7	27.7	27.9	28.3	28.2	28.2	28.5	28.8	29.1	29.3	29.8	30.2	30.6	31.3	31.9	32.5	33.1	33.5	33.8	33.9	34.1	1.1%
Petroleum Subtotal	231.7	235.9	237.4	240.2	241.0	242.4	245.1	247.7	249.7	251.7	253.6	256.7	258.3	261.5	264.1	266.4	269.5	271.6	274.0	275.5	278.3	0.9%
Natural Gas	181.6	182.8	185.2	185.9	186.3	187.0	188.9	190.8	192.7	194.6	196.6	199.4	201.0	204.1	206.5	208.6	211.4	213.2	215.3	216.5	218.8	0.9%
Lease and Plant Fuel	1147.65	1157.12	1162.69	1208.24	1253.54	1286.04	1333.58	1378.02	1429.76	1478.96	1537.30	1578.58	1611.38	1643.13	1675.18	1708.97	1740.19	1770.08	1801.19	1823.42	1848.82	2.4%
Steam Coal	71.2	72.2	72.9	74.7	75.1	75.7	76.2	76.6	77.1	77.7	77.9	78.5	78.5	79.0	79.0	78.7	79.1	79.3	79.9	80.5	81.4	0.7%
Renewables	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.1%
Purchased Electricity	235.8	239.5	241.8	244.5	245.1	246.3	248.8	251.2	253.3	255.4	257.4	260.5	262.0	265.3	267.7	269.8	272.9	274.9	277.4	279.0	282.0	0.9%
Total	1869.0	1888.6	1901.1	1954.7	2002.2	2038.5	2093.8	2145.5	2203.8	2259.5	2324.0	2374.9	2412.4	2454.4	2493.8	2533.9	2574.4	2610.5	2649.2	2676.3	2710.8	1.9%

Table 32. Other Industrial Sector Energy Consumption (2 of 2)
(Trillion Btu)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Industry Output (billion 1992 dollars)	165.57	168.56	169.86	172.52	173.25	174.24	176.77	179.33	181.41	183.28	185.58	188.60	190.77	194.24	197.43	200.61	203.99	206.55	208.84	210.09	212.33	1.3%
Energy Consumption per Unit of Output																						
(thousand Btu per 1992 dollar)	11.29	11.20	11.19	11.33	11.56	11.70	11.84	11.96	12.15	12.33	12.52	12.59	12.65	12.64	12.63	12.63	12.62	12.64	12.69	12.74	12.77	0.6%
Carbon Dioxide Emissions 1/																						
(million metric tons carbon equivalent)	20.9	21.3	21.2	21.4	21.4	21.6	21.8	22.1	22.1	22.3	22.3	22.5	22.6	22.9	23.0	23.2	23.4	23.6	23.7	23.9	24.1	0.7%
Metal-Based Durables Consumption																						
Residual Oil	9.4	8.6	8.0	8.8	9.4	9.9	10.5	11.0	11.5	12.0	12.7	13.3	13.8	14.4	14.9	15.4	15.8	16.4	17.0	17.5	18.0	3.3%
Distillate Oil	26.3	28.4	23.6	26.6	28.5	30.0	31.4	32.6	34.2	35.1	36.5	38.2	39.5	40.4	41.0	41.6	42.7	44.1	45.7	47.0	48.3	3.1%
Liquefied Petroleum Gas	13.8	15.0	12.7	13.5	14.2	14.9	15.5	16.1	16.8	17.4	17.9	18.7	19.1	19.8	20.3	20.8	21.3	22.0	22.7	23.4	24.0	2.8%
Petroleum Subtotal	49.5	52.0	44.2	48.9	52.1	54.9	57.4	59.6	62.5	64.5	67.1	70.2	72.5	74.5	76.2	77.8	79.9	82.5	85.4	87.9	90.3	3.1%
Natural Gas	729.1	686.7	720.1	756.6	787.3	818.6	850.5	881.2	912.0	942.9	980.6	1015.9	1045.4	1075.4	1103.5	1131.1	1157.7	1187.8	1220.2	1250.9	1275.8	2.8%
Steam Coal	63.5	62.1	59.2	61.9	63.7	65.3	66.8	68.2	69.6	70.9	72.5	74.0	75.2	76.4	77.5	78.6	79.5	80.8	82.1	83.3	84.4	1.4%
Renewables	44.4	42.4	44.4	47.8	50.6	53.4	56.3	59.2	62.1	65.0	68.6	72.0	75.2	78.4	81.4	84.5	87.4	90.8	94.3	97.7	100.5	4.2%
Purchased Electricity	736.8	701.8	716.8	760.4	795.7	830.5	865.8	899.5	934.3	968.4	1010.0	1049.9	1084.2	1118.5	1150.6	1182.5	1213.4	1248.2	1285.7	1321.3	1350.8	3.1%
Total	1623.3	1545.0	1584.7	1675.6	1749.4	1822.7	1896.9	1967.7	2040.5	2111.7	2198.8	2281.9	2352.5	2423.2	2489.2	2554.4	2617.9	2690.1	2767.6	2841.1	2901.8	2.9%
Industry Output (billion 1992 dollars)	1830.32	1745.52	1823.59	1959.29	2070.62	2181.57	2295.41	2406.48	2521.00	2634.88	2772.70	2906.56	3026.89	3150.01	3265.36	3381.05	3493.32	3618.05	3750.82	3877.61	3983.63	4.0%
Energy Consumption per Unit of Output																						
(thousand Btu per 1992 dollar)	0.89	0.89	0.87	0.86	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.77	0.76	0.76	0.75	0.74	0.74	0.73	0.73	-1.0%
Carbon Dioxide Emissions 1/																						
(million metric tons carbon equivalent)	50.0	47.9	47.9	50.8	53.0	55.3	57.7	60.0	61.9	63.8	66.1	68.4	70.4	72.4	74.2	76.0	77.8	80.0	82.1	84.2	85.9	2.7%
Other Manufacturing Consumption																						
Residual Oil	64.2	59.7	53.6	55.7	57.1	58.6	59.6	60.7	61.6	62.7	64.3	65.8	66.8	67.7	68.5	69.3	70.0	71.0	71.9	72.7	73.3	0.7%
Distillate Oil	56.5	62.3	51.7	55.6	57.4	59.0	60.1	61.0	62.1	62.4	63.5	65.0	65.8	65.9	65.7	65.7	66.3	67.3	68.3	68.9	69.7	1.1%
Liquefied Petroleum Gas	27.1	37.2	25.7	26.6	27.4	28.5	28.9	29.4	30.1	30.7	31.2	32.1	32.3	33.0	33.4	33.7	34.2	34.9	35.7	36.4	37.1	1.6%
Petroleum Subtotal	147.7	159.2	130.9	137.9	141.9	146.1	148.7	151.1	153.9	155.8	159.0	162.9	164.8	166.6	167.6	168.7	170.5	173.2	175.9	177.9	180.1	1.0%
Natural Gas	1358.9	1316.2	1404.9	1416.3	1428.1	1453.5	1478.1	1503.7	1521.6	1548.4	1586.1	1617.9	1637.2	1658.2	1677.7	1696.3	1715.2	1736.8	1757.1	1773.3	1786.2	1.4%
Steam Coal	263.6	261.5	247.0	256.2	262.0	268.6	273.8	279.3	284.1	289.7	297.4	304.5	309.2	314.0	318.1	322.5	326.8	332.0	337.0	341.3	345.2	1.4%
Renewables	344.0	340.9	350.6	358.1	364.8	373.8	382.7	391.9	399.5	409.3	422.0	433.9	442.2	450.9	459.0	466.8	474.5	483.2	491.9	499.3	505.9	1.9%
Purchased Electricity	911.9	896.0	907.3	922.5	933.4	950.8	967.1	983.8	996.6	1013.9	1038.3	1060.0	1073.0	1086.5	1098.7	1110.9	1123.0	1137.4	1151.1	1161.8	1170.7	1.3%
Total	3026.2	2973.8	3040.7	3090.9	3130.1	3192.9	3250.4	3309.8	3355.7	3417.0	3502.8	3579.2	3626.6	3676.2	3721.0	3765.2	3810.0	3862.7	3913.1	3953.6	3988.1	1.4%
Industry Output (billion 1992 dollars)	1091.89	1078.79	1113.29	1137.76	1158.53	1190.34	1220.00	1250.62	1275.45	1307.02	1349.53	1387.73	1413.59	1440.31	1464.74	1488.95	1513.12	1540.71	1567.19	1589.58	1609.14	2.0%
Energy Consumption per Unit of Output																						
(thousand Btu per 1992 dollar)	2.77	2.76	2.73	2.72	2.70	2.68	2.66	2.65	2.63	2.61	2.60	2.58	2.57	2.55	2.54	2.53	2.52	2.51	2.50	2.49	2.48	-0.6%
Carbon Dioxide Emissions 1/																						
(million metric tons carbon equivalent)	74.9	73.9	73.7	75.0	75.8	77.3	78.8	80.3	81.0	82.1	83.8	85.3	86.1	87.2	87.9	88.8	89.6	90.8	91.8	92.6	93.2	1.1%

1/ Includes emissions attributable to the fuels consumed to generate the purchased electricity.

Note: Totals may not equal sum of components due to independent rounding. Data for 2000 are model results and may differ slightly from official EIA data reports.

Source: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 33. Transportation Sector Energy Use by Mode and Type (1 of 2)
(Trillion Btu)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Energy Use by Mode																						
Highway																						
Light-Duty Vehicles	14970.8	15191.3	15547.6	16054.3	16397.0	16743.0	17049.5	17379.1	17749.7	18129.3	18485.4	18843.9	19193.1	19518.8	19800.2	20071.6	20352.6	20620.8	20874.5	21140.7	21367.4	1.8%
Automobiles	8641.2	8557.7	8554.5	8628.8	8632.3	8639.0	8622.6	8629.9	8669.2	8715.0	8763.0	8824.1	8891.3	8958.2	9010.9	9065.1	9131.3	9196.1	9258.6	9330.1	9387.4	0.4%
Light Trucks	6304.8	6609.0	6968.5	7400.7	7739.9	8079.1	8402.1	8724.4	9055.5	9389.2	9697.2	9994.5	10276.3	10534.9	10763.4	10980.5	11195.1	11398.3	11589.2	11783.8	11953.0	3.3%
Motorcycles	24.8	24.6	24.6	24.8	24.8	24.8	24.8	24.8	24.9	25.0	25.2	25.3	25.5	25.7	25.9	26.0	26.2	26.4	26.6	26.8	27.0	0.4%
Commercial Light Trucks 1/	637.6	624.1	635.5	653.3	669.1	686.3	701.0	717.6	734.2	751.9	771.8	790.6	806.3	821.8	835.5	848.9	861.3	874.6	888.9	902.5	913.6	1.8%
Buses	181.6	186.9	186.9	188.1	189.7	191.3	192.7	194.3	196.1	198.0	199.6	201.1	202.4	203.3	203.6	203.7	203.7	203.6	203.3	203.2	203.1	0.6%
Transit	86.9	89.4	89.4	90.0	90.7	91.5	92.2	92.9	93.8	94.7	95.5	96.2	96.8	97.2	97.4	97.4	97.4	97.4	97.2	97.2	97.1	0.6%
Intercity	23.3	24.0	24.0	24.2	24.4	24.6	24.8	25.0	25.2	25.4	25.7	25.8	26.0	26.1	26.2	26.2	26.2	26.2	26.1	26.1	26.1	0.6%
School	71.4	73.5	73.5	74.0	74.6	75.2	75.8	76.4	77.1	77.9	78.5	79.1	79.6	79.9	80.1	80.1	80.1	80.1	80.0	79.9	79.9	0.6%
Freight Trucks 2/	4523.4	4620.6	4709.9	4888.1	5046.4	5211.7	5323.6	5460.6	5603.1	5768.2	5935.5	6114.1	6252.0	6382.1	6494.0	6597.6	6697.8	6805.7	6912.5	7012.9	7099.1	2.3%
Medium (1000-26000 pounds)	758.0	756.0	763.0	779.6	791.5	804.6	810.2	821.1	834.2	851.9	871.6	894.5	913.8	934.3	954.7	976.2	998.6	1023.1	1048.6	1073.0	1094.7	1.9%
Large (> 26000 pounds)	3765.5	3864.6	3946.9	4108.5	4255.0	4407.1	4513.4	4639.5	4768.9	4916.3	5064.0	5219.6	5338.2	5447.8	5539.3	5621.4	5699.2	5782.6	5863.9	5939.9	6004.4	2.4%
Non-Highway																						
Air 3/	3113.2	3010.9	3060.4	3165.6	3250.2	3346.7	3433.7	3524.0	3644.6	3776.5	3912.5	4056.2	4184.0	4309.7	4439.2	4570.8	4714.4	4861.1	5004.6	5151.3	5286.8	2.7%
General Aviation	188.8	183.8	186.1	191.1	195.1	199.6	203.7	208.0	213.7	220.0	226.4	233.3	239.3	245.3	251.5	257.7	264.6	271.6	278.4	285.4	291.8	2.2%
Domestic Air Carriers	1812.1	1763.2	1807.3	1859.6	1897.0	1939.9	1973.5	2006.7	2058.5	2114.2	2170.1	2228.5	2280.9	2329.5	2378.0	2426.1	2481.0	2535.2	2585.1	2635.9	2677.0	2.0%
International Air Carriers	669.7	658.1	676.5	698.0	713.6	731.3	745.5	760.0	781.3	804.1	827.1	851.6	873.5	894.4	915.5	935.9	958.1	980.0	1000.3	1021.0	1037.9	2.2%
Freight Carriers	442.6	406.8	390.5	416.9	444.5	475.9	510.9	549.3	591.0	638.2	688.8	742.8	790.2	840.5	894.2	951.1	1010.7	1074.3	1140.8	1209.1	1280.0	5.5%
Water 4/	1713.0	1610.7	1638.5	1649.2	1656.7	1664.5	1671.2	1678.5	1687.2	1696.3	1706.0	1716.3	1725.1	1735.4	1745.5	1755.8	1766.0	1775.0	1784.1	1792.3	1800.5	0.2%
Freight	1400.7	1298.4	1324.9	1332.0	1336.7	1341.5	1345.9	1350.7	1356.1	1361.7	1368.1	1374.8	1380.1	1387.0	1393.8	1400.7	1407.5	1413.3	1419.3	1424.2	1429.6	0.1%
Domestic Shipping	302.1	308.7	309.4	315.0	318.1	321.4	324.3	327.7	331.5	335.4	340.0	345.0	348.5	353.6	358.5	363.7	368.6	372.5	376.6	379.6	383.1	1.2%
International Shipping	1098.6	989.6	1015.5	1017.0	1018.6	1020.1	1021.6	1023.1	1024.7	1026.4	1028.1	1029.8	1031.6	1033.4	1035.2	1037.1	1038.9	1040.8	1042.7	1044.6	1046.5	-0.2%
Recreational Boats	312.3	312.3	313.6	317.1	320.0	323.0	325.4	327.8	331.1	334.6	337.9	341.5	345.0	348.4	351.7	355.0	358.5	361.8	364.9	368.1	370.9	0.9%
Rail	584.9	613.1	605.9	616.6	625.7	634.8	641.7	648.7	652.9	658.5	664.3	675.8	680.2	683.6	687.0	691.4	699.3	704.5	709.4	714.6	718.4	1.0%
Freight	506.1	532.2	523.5	532.6	539.9	547.4	552.7	558.1	560.5	564.4	568.5	578.1	580.8	582.3	584.0	586.6	592.6	596.0	599.1	602.5	604.5	0.9%
Passenger	78.8	80.9	82.4	84.1	85.8	87.4	89.0	90.6	92.3	94.1	95.8	97.6	99.5	101.3	103.0	104.8	106.6	108.4	110.2	112.1	113.9	1.9%
Intercity	20.4	21.2	21.5	21.9	22.4	22.8	23.2	23.6	24.1	24.6	25.0	25.5	26.0	26.4	26.9	27.4	27.8	28.3	28.8	29.3	29.7	1.9%
Transit	44.3	45.1	46.1	47.0	47.9	48.9	49.7	50.6	51.6	52.6	53.6	54.6	55.6	56.6	57.6	58.6	59.6	60.6	61.6	62.6	63.6	1.8%
Commuter	14.1	14.6	14.9	15.1	15.5	15.8	16.0	16.3	16.6	17.0	17.3	17.6	17.9	18.3	18.6	18.9	19.2	19.5	19.9	20.2	20.5	1.9%
Lubricants	180.0	194.0	200.0	203.7	204.9	206.9	209.5	212.5	215.5	219.0	222.3	225.7	228.5	231.2	233.8	236.5	239.1	241.9	244.7	247.5	249.9	1.7%
Pipeline Fuel Natural Gas	791.8	790.0	772.7	791.1	795.9	795.5	807.8	817.8	831.8	842.9	860.4	885.3	901.2	916.8	933.0	950.2	966.2	982.2	998.5	1007.7	1018.6	1.3%
Military Use	620.4	644.2	686.7	694.4	697.5	700.9	705.3	710.8	717.1	724.8	732.1	738.3	742.0	744.0	746.9	749.4	751.7	753.6	755.4	756.9	758.2	1.0%
Aviation	509.4	525.5	564.0	570.4	572.9	575.7	579.3	583.8	589.0	595.3	601.3	606.4	609.4	611.1	613.5	615.5	617.4	619.0	620.4	621.7	622.8	1.0%
Residual Fuel Use	18.3	19.0	19.7	19.9	20.0	20.1	20.2	20.4	20.6	20.8	21.0	21.2	21.3	21.4	21.4	21.5	21.6	21.6	21.7	21.7	21.8	0.9%
Distillate Fuel Use	92.7	99.7	103.0	104.1	104.6	105.1	105.8	106.6	107.5	108.7	109.8	110.7	111.3	111.6	112.0	112.4	112.7	113.0	113.3	113.5	113.7	1.0%
Total	27316.7	27485.8	28044.0	28904.5	29533.1	30181.5	30736.0	31343.9	32032.1	32765.4	33490.0	34247.3	34914.9	35546.7	36118.8	36675.8	37252.0	37823.1	38375.9	38929.6	39415.6	1.9%
Energy Use by Type																						
Motor Gasoline	15969.7	16084.6	16389.4	16846.8	17144.7	17452.2	17723.9	18029.4	18375.5	18734.1	19074.2	19417.6	19749.3	20059.0	20325.6	20582.5	20848.8	21102.8	21348.0	21604.5	21821.7	1.6%
Distillate (diesel)	5418.0	5602.0	5712.0	5936.5	6138.0	6348.7	6506.6	6685.9	6868.5	7073.9	7279.2	7499.7	7671.0	7832.6	7974.0	8107.2	8239.5	8376.7	8507.7	8632.2	8739.5	2.4%
Jet Fuel (kerosene & naphtha)	3580.0	3494.0	3582.0	3693.6	3780.8	3880.1	3970.7	4065.6	4191.4	4329.6	4471.7	4620.5	4751.3	4878.7	5010.5	5144.3	5289.7	5438.0	5582.9	5730.9	5867.5	2.5%
Residual Oil	1138.0	1034.0	1060.0	1063.3	1065.7	1068.2	1070.6	1073.1	1075.9	1078.9	1082.0	1085.3	1088.1	1091.3	1094.6	1097.9	1101.1	1104.1	1107.1	1109.8	1112.6	-0.1%
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	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	-0.1%
Liquefied Petroleum Gas	44.7	55.0	63.7	72.4	78.6	83.1	85.6	87.2	89.1	91.1	92.8	94.7	96.0	97.4	98.4	99.4	100.4	101.4	102.3	103.4	104.3	4.3%
Lubricants	180.0	194.0	200.0	203.7	204.9	206.9	209.5	212.5	215.5	219.0	222.3	225.7	228.5	231.2	233.8	236.5	239.1	241.9	244.7	247.5	249.9	1.7%
Petroleum Subtotal	26372.9	26506.1	27049.4	27858.6	28455.0	29081.5	29609.2	30195.9	30858.1	31568.7	32264.4	32985.6	33626.3	34232.4	34779.1	35309.8	35860.8	36406.9	36934.9	37470.3	37937.6	1.8%
Methanol	7.4	11.2	14.8	18.3	21.0	23.0	24.0	24.3	24.6	24.9	25.2	25.4	25.5	25.5	25.6	25.6	25.6	25.8	25.9	25.9	26.0	6.5%
Ethanol	33.2	45.2	52.3	60.5	68.4	75.7	79.5	81.8	84.4	86.0	87.4	88.7	90.1	91.4	92.6	93.7	95.1	96.5	97.4	98.9	99.8	5.7%
Electricity	59.7	61.6	63.5	65.6	67.7	69.6	71.6	73.4	75.2	77.3	79.5	81.7	84.2	86.7	89.1	92.2	95.2	98.3	101.9	105.6	109.2	3.1%
Compressed Natural Gas	51.7	71.7	91.3	110.3	125.0	136.2	144.0	150.7	158.0	165.5	173.1	180.7	187.5	193.7	199.2	204.3	209.0	213.3	217.2	220.9	224.2	7.6%
Liquid 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	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	N/A
Pipeline Fuel Natural Gas	791.8	790.0	772.7	791.1	795.9	795.5	807.8	817.8	831.8	842.9	860.4	885.3	901.2	916.8	933.0	950.2	966.2	982.2	998.5	1007.7	1018.6	1.3%
Total Consumption	27316.7	27485.8	28044.0	28904.5	29533.1	30181.5	30736.0	31343.9	32032.1	32765.4	33490.0	34247.3	34914.9	35546.7	36118.8	36675.8	37252.0	37823.1	38375.9	38929.6	39415.6	1.9%

Table 33. Transportation Sector Energy Use by Mode and Type (1 of 2) (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: 2000 values derived using: Energy Information Administration (EIA), Short-Term Energy Outlook, October 2001, http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/oct01.pdf; EIA, Fuel Oil and Kerosene Sales 1999, DOE/EIA-0535(99) (Washington, DC, September 2000); EIA, State Energy Data Report 1999, DOE/EIA-0214(99) (Washington, DC, May 2001); Oak Ridge National Laboratory, Transportation Energy Data Book: 17, 18 and 19 (Oak Ridge, TN, September 1999); Department of Defense, Defense Fuel Supply Center; and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 34. Transportation Sector Energy Use by Fuel Type Within a Mode (1 of 2)
(Trillion Btu)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Light-Duty Vehicle																						
Motor Gasoline	14736.35	14883.58	15182.27	15623.80	15910.74	16205.60	16470.19	16765.05	17099.21	17443.15	17765.39	18090.50	18406.79	18700.76	18952.65	19194.65	19446.31	19684.33	19912.43	20152.48	20356.58	1.6%
Ethanol	33.21	45.23	52.26	60.52	68.42	75.71	79.52	81.85	84.38	85.99	87.41	88.73	90.09	91.44	92.61	93.70	95.10	96.48	97.40	98.91	99.75	5.7%
Compressed Natural Gas	50.61	70.30	89.31	107.23	120.28	129.30	134.52	138.16	141.85	145.31	148.75	151.96	154.95	157.57	159.93	162.24	164.48	166.58	168.49	170.43	172.21	6.3%
Liquefied Petroleum Gas	35.00	45.92	54.82	63.68	69.96	74.45	76.85	78.16	79.69	81.12	82.31	83.57	84.50	85.50	86.34	87.10	87.95	88.80	89.65	90.57	91.49	4.9%
Electricity	1.79	2.53	3.24	4.12	4.95	5.68	6.51	7.13	7.72	8.53	9.38	10.28	11.47	12.68	13.79	15.52	17.25	18.96	21.30	23.66	25.89	14.3%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.05	0.07	0.09	0.12	0.15	0.17	0.20	0.24	N/A
Distillate (diesel)	106.50	132.53	150.89	176.62	201.61	229.18	257.92	284.48	312.17	340.28	366.98	393.41	419.85	445.24	469.22	492.71	515.77	539.71	559.16	578.51	595.29	9.0%
Total	14970.83	15191.29	15547.55	16054.27	16397.00	16742.96	17049.45	17379.12	17749.66	18129.31	18485.43	18843.89	19193.13	19518.77	19800.21	20071.61	20352.61	20620.83	20874.46	21140.70	21367.43	1.8%
Commercial Light Trucks Gasoline 1/	637.59	624.13	635.47	653.34	669.13	686.30	701.04	717.58	734.20	751.86	771.79	790.58	806.34	821.76	835.48	848.85	861.31	874.64	888.91	902.55	913.62	1.8%
Freight Trucks 2/																						
Motor Gasoline	274.64	255.83	249.25	243.70	235.87	228.28	218.29	209.80	201.81	195.22	189.71	185.62	181.63	178.61	176.20	174.41	173.11	172.51	172.19	171.82	171.09	-2.3%
Distillate (diesel)	4238.04	4354.28	4449.79	4632.60	4797.15	4967.86	5087.13	5229.20	5375.66	5542.84	5710.91	5888.72	6026.28	6155.46	6266.40	6368.81	6467.70	6573.93	6678.92	6777.84	6863.14	2.4%
Compressed Natural Gas	1.05	1.42	2.00	3.08	4.73	6.85	9.44	12.54	16.15	20.19	24.39	28.69	32.60	36.17	39.30	42.07	44.51	46.72	48.71	50.49	52.02	21.5%
Liquefied Petroleum Gas	9.70	9.07	8.83	8.75	8.68	8.69	8.76	9.03	9.44	9.97	10.52	11.08	11.51	11.86	12.11	12.30	12.45	12.58	12.70	12.79	12.86	1.4%
Total	4523.44	4620.60	4709.87	4888.13	5046.42	5211.69	5323.62	5460.57	5603.05	5768.22	5935.54	6114.10	6252.01	6382.10	6494.00	6597.59	6697.77	6805.74	6912.52	7012.94	7099.10	2.3%
Freight Rail 3/																						
Distillate (diesel)	506.09	532.17	523.47	532.58	539.93	547.38	552.68	558.07	560.54	564.41	568.46	578.15	580.77	582.35	583.97	586.61	592.62	596.02	599.13	602.49	604.47	0.9%
Total	506.09	532.17	523.47	532.58	539.93	547.38	552.68	558.07	560.54	564.41	568.46	578.15	580.77	582.35	583.97	586.61	592.62	596.02	599.13	602.49	604.47	0.9%
Domestic Shipping																						
Distillate (diesel)	211.58	218.60	218.64	222.59	224.76	227.09	229.15	231.53	234.21	236.98	240.25	243.79	246.21	249.84	253.34	256.96	260.43	263.19	266.09	268.21	270.70	1.2%
Residual Oil	90.53	90.14	90.79	92.43	93.33	94.30	95.15	96.14	97.25	98.40	99.76	101.24	102.24	103.74	105.20	106.70	108.14	109.29	110.49	111.37	112.41	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	302.11	308.74	309.43	315.02	318.09	321.39	324.31	327.67	331.46	335.38	340.01	345.03	348.45	353.58	358.54	363.66	368.57	372.47	376.58	379.59	383.11	1.2%
International Shipping																						
Distillate (diesel)	69.42	64.74	66.00	66.10	66.20	66.29	66.39	66.49	66.59	66.70	66.81	66.93	67.04	67.16	67.28	67.40	67.52	67.64	67.76	67.89	68.01	-0.1%
Residual Oil	1029.18	924.90	949.50	950.92	952.38	953.77	955.16	956.58	958.06	959.65	961.25	962.89	964.57	966.25	967.95	969.67	971.39	973.14	974.91	976.68	978.45	-0.3%
Total	1098.60	989.64	1015.50	1017.02	1018.57	1020.06	1021.55	1023.06	1024.65	1026.35	1028.07	1029.82	1031.61	1033.41	1035.23	1037.07	1038.91	1040.78	1042.68	1044.57	1046.46	-0.2%
Air Transportation																						
Jet Fuel	3070.61	2968.47	3018.02	3123.23	3207.91	3304.44	3391.47	3481.84	3602.42	3734.33	3870.39	4014.08	4141.86	4267.62	4397.07	4528.72	4672.34	4819.03	4962.47	5109.26	5244.68	2.7%
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	42.11	42.10	42.10	42.09	42.09	42.08	42.08	42.08	-0.1%
Total	3113.17	3010.95	3060.42	3165.58	3250.21	3346.70	3433.69	3524.04	3644.60	3776.49	3912.53	4056.21	4183.98	4309.73	4439.17	4570.82	4714.43	4861.12	5004.56	5151.34	5286.76	2.7%
Miscellaneous Transportation																						
Military Use																						
Jet Fuel	509.39	525.53	563.98	570.37	572.89	575.66	579.27	583.81	588.98	595.31	601.28	606.39	609.43	611.10	613.46	615.55	617.38	619.00	620.42	621.67	622.77	1.0%
Residual Fuel	18.29	18.96	19.71	19.93	20.02	20.12	20.24	20.40	20.58	20.80	21.01	21.19	21.30	21.36	21.44	21.51	21.58	21.63	21.68	21.73	21.76	0.9%
Distillate	92.74	99.73	102.97	104.13	104.59	105.10	105.76	106.59	107.53	108.69	109.78	110.71	111.27	111.57	112.00	112.38	112.72	113.01	113.27	113.50	113.70	1.0%
Total	620.42	644.22	686.66	694.44	697.50	700.88	705.28	710.80	717.10	724.81	732.07	738.29	741.99	744.03	746.91	749.44	751.68	753.64	755.38	756.90	758.24	1.0%

Table 34. Transportation Sector Energy Use by Fuel Type Within a Mode (2 of 2)
(Trillion Btu)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Bus Transportation																						
Transit Bus (motor gasoline)	4.83	4.80	4.81	4.85	4.89	4.93	4.96	5.01	5.05	5.10	5.14	5.18	5.21	5.24	5.25	5.25	5.25	5.24	5.24	5.23	5.23	0.4%
Transit Bus (diesel)	82.02	84.55	84.55	85.11	85.81	86.55	87.20	87.92	88.75	89.58	90.33	91.01	91.57	91.97	92.14	92.17	92.16	92.11	91.99	91.94	91.88	0.6%
Intercity Bus (diesel)	23.29	24.01	24.01	24.17	24.37	24.58	24.77	24.97	25.20	25.44	25.65	25.85	26.01	26.12	26.17	26.18	26.17	26.16	26.13	26.11	26.09	0.6%
School Bus (motor gasoline)	3.98	3.95	3.96	3.99	4.02	4.05	4.08	4.12	4.16	4.19	4.23	4.26	4.29	4.31	4.31	4.32	4.32	4.31	4.31	4.30	4.30	0.4%
School Bus (diesel)	67.45	69.54	69.53	70.00	70.57	71.18	71.72	72.31	72.98	73.67	74.29	74.85	75.31	75.64	75.78	75.80	75.79	75.75	75.65	75.61	75.56	0.6%
Total	181.58	186.85	186.87	188.12	189.66	191.28	192.73	194.32	196.14	197.98	199.65	201.15	202.38	203.28	203.65	203.71	203.69	203.57	203.32	203.20	203.06	0.6%
Rail Transportation																						
Intercity Rail (electricity)	8.08	8.24	8.40	8.57	8.74	8.92	9.07	9.24	9.41	9.59	9.77	9.96	10.14	10.33	10.51	10.69	10.87	11.06	11.24	11.43	11.61	1.8%
Intercity Rail (diesel)	12.34	12.92	13.10	13.37	13.64	13.90	14.15	14.41	14.68	14.96	15.24	15.52	15.81	16.10	16.38	16.67	16.95	17.24	17.53	17.82	18.11	1.9%
Transit Rail (electricity)	44.27	45.15	46.05	46.98	47.93	48.86	49.73	50.63	51.59	52.57	53.56	54.56	55.58	56.60	57.59	58.58	59.59	60.60	61.61	62.64	63.64	1.8%
Commuter Rail (electricity)	5.58	5.69	5.80	5.92	6.04	6.16	6.27	6.38	6.50	6.62	6.75	6.88	7.00	7.13	7.26	7.38	7.51	7.64	7.76	7.89	8.02	1.8%
Commuter Rail (diesel)	8.52	8.92	9.05	9.23	9.42	9.60	9.77	9.95	10.14	10.33	10.52	10.72	10.92	11.12	11.32	11.51	11.71	11.91	12.11	12.31	12.51	1.9%
Total	78.80	80.92	82.41	84.06	85.76	87.44	88.99	90.60	92.32	94.08	95.84	97.64	99.47	101.29	103.05	104.82	106.64	108.45	110.25	112.10	113.89	1.9%
Recreation Boats	312.28	312.31	313.62	317.12	320.02	323.01	325.36	327.82	331.06	334.56	337.91	341.46	345.01	348.37	351.72	355.03	358.48	361.77	364.89	368.14	370.92	0.9%
Lubricants	180.00	194.00	200.00	203.69	204.87	206.88	209.47	212.48	215.52	218.99	222.33	225.72	228.50	231.21	233.83	236.48	239.11	241.90	244.74	247.45	249.87	1.7%
Pipeline Fuel Natural Gas	791.82	790.00	772.73	791.10	795.92	795.48	807.84	817.76	831.81	842.93	860.38	885.25	901.24	916.80	933.02	950.16	966.22	982.18	998.48	1007.68	1018.62	1.3%
Total Miscellaneous	2164.90	2208.30	2242.29	2278.53	2293.74	2304.97	2329.67	2353.78	2383.96	2413.34	2448.17	2489.52	2518.59	2544.98	2572.18	2599.64	2625.81	2651.51	2677.05	2695.47	2714.60	1.1%
Total Consumption	27316.72	27485.83	28043.99	28904.46	29533.09	30181.46	30736.01	31343.88	32032.13	32765.36	33490.00	34247.30	34914.87	35546.68	36118.79	36675.84	37252.03	37823.11	38375.88	38929.62	39415.55	1.9%

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 compressed natural gas volumes: Energy Information Administration (EIA), AEO2002 National Energy Modeling System run aeo2002.d102001b. Other 2000 values derived using: EIA, Short-Term Energy Outlook, October 2001, http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/oct01.pdf; EIA, Fuel Oil and Kerosene Sales 1999, DOE/EIA-0535(99) (Washington, DC, September 2000); EIA, State Energy Data Report 1999, DOE/EIA-0214(99) (Washington, DC, May 2001); Oak Ridge National Laboratory, Transportation Energy Data Book: 17, 18 and 19 (Oak Ridge, TN, September 1999); Department of Defense, Defense Fuel Supply Center; and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 35. Light-Duty Vehicle Energy Consumption by Technology Type and Fuel Type (1 of 1)
(Trillion Btu)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Light-Duty Consumption by Technology Type																						
Conventional Vehicles 1/																						
Gasoline ICE Vehicles	14542.78	14658.07	14916.66	15309.48	15548.80	15792.64	15997.77	16230.81	16502.50	16782.96	17042.78	17306.17	17561.39	17797.14	17994.64	18182.78	18382.68	18572.27	18756.46	18953.84	19118.52	1.4%
TDI Diesel ICE	106.50	132.53	150.89	176.62	201.61	229.18	257.92	284.48	312.17	340.28	366.98	393.41	419.85	445.24	469.22	492.71	515.77	539.71	559.16	578.51	595.29	9.0%
Alternative-Fuel Vehicles																						
Alcohol Fuel Technology																						
Methanol-Flex Fuel ICE	7.82	11.68	15.38	19.13	22.31	24.99	26.99	28.59	30.18	31.70	33.14	34.50	35.76	36.91	37.96	38.92	39.83	40.66	41.42	42.14	42.77	8.9%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.0%
Ethanol-Flex Fuel ICE	196.63	238.44	281.04	326.54	368.18	408.04	444.18	479.60	515.39	550.41	583.91	616.44	647.52	676.42	702.42	726.87	750.68	772.95	793.96	814.82	833.34	7.5%
Ethanol ICE	0.14	0.16	0.18	0.19	0.21	0.22	0.23	0.24	0.25	0.26	0.27	0.27	0.28	0.28	0.29	0.29	0.29	0.29	0.30	0.30	0.31	4.2%
Total Alcohol	204.58	250.28	296.60	345.87	390.70	433.25	471.40	508.43	545.82	582.36	617.32	651.21	683.56	713.62	740.66	766.08	790.80	813.90	835.67	857.26	876.42	7.5%
Natural Gas Technology																						
CNG ICE	6.04	6.60	7.26	7.96	8.59	9.22	9.99	10.77	11.55	12.34	13.12	13.88	14.67	15.41	16.11	16.85	17.61	18.35	18.96	19.60	20.19	6.2%
CNG Bi-fuel	49.13	68.74	87.86	106.70	121.83	134.36	144.17	152.83	161.39	169.58	177.48	185.00	192.10	198.63	204.58	210.13	215.41	220.32	224.92	229.43	233.55	8.1%
LPG ICE	4.99	5.79	6.53	7.29	8.01	8.77	9.51	10.26	11.05	11.86	12.63	13.42	14.18	14.95	15.67	16.39	17.12	17.85	18.60	19.39	20.17	7.2%
LPG Bi-fuel	41.69	50.87	59.84	68.82	75.81	81.54	85.88	89.62	93.37	96.96	100.40	103.68	106.76	109.57	112.11	114.46	116.69	118.73	120.60	122.40	123.97	5.6%
Total Natural Gas Technology	101.85	132.00	161.50	190.77	214.24	233.89	249.56	263.48	277.36	290.74	303.63	315.98	327.70	338.56	348.46	357.83	366.83	375.25	383.08	390.82	397.88	7.1%
Electric Technology																						
Electric Vehicle	1.79	2.53	3.24	4.12	4.95	5.68	6.51	7.13	7.72	8.53	9.38	10.28	11.47	12.68	13.79	15.52	17.25	18.96	21.30	23.66	25.89	14.3%
Electric-Diesel Hybrid	0.43	0.84	1.20	3.84	6.60	10.01	15.13	19.90	24.99	30.44	35.92	41.60	47.69	53.94	60.25	67.19	73.95	80.40	85.59	90.61	94.94	31.0%
Electric-Gasoline Hybrid	3.72	6.56	9.40	22.13	35.47	51.07	73.09	95.73	119.31	144.13	169.59	195.74	222.73	249.80	276.35	304.23	331.37	357.11	378.98	399.85	418.37	26.6%
Total Electricity	5.94	9.93	13.84	30.08	47.02	66.76	94.73	122.75	152.02	183.10	214.90	247.61	281.89	316.42	350.40	386.94	422.57	456.46	485.87	514.12	539.20	25.3%
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	0.01	0.04	0.13	0.35	0.83	1.76	3.50	6.49	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	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	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	0.01	0.02	0.03	0.05	0.07	0.09	0.12	0.15	0.17	0.20	0.24	N/A
Total Fuel Cell	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.06	0.11	0.22	0.47	0.98	1.94	3.72	6.75	N/A
Light-Duty Consumption by Fuel Type1/																						
Motor Gasoline	14736.35	14883.58	15182.27	15623.80	15910.74	16205.60	16470.19	16765.05	17099.21	17443.15	17765.39	18090.50	18406.79	18700.76	18952.65	19194.65	19446.31	19684.33	19912.43	20152.48	20356.58	1.6%
Distillate (diesel)	106.50	132.53	150.89	176.62	201.61	229.18	257.92	284.48	312.17	340.28	366.98	393.41	419.85	445.24	469.22	492.71	515.77	539.71	559.16	578.51	595.29	9.0%
Methanol	7.38	11.20	14.77	18.29	21.05	23.02	23.95	24.28	24.63	24.94	25.21	25.42	25.45	25.53	25.59	25.59	25.64	25.82	25.86	25.93	25.97	6.5%
Ethanol	33.21	45.23	52.26	60.52	68.42	75.71	79.52	81.85	84.38	85.99	87.41	88.73	90.09	91.44	92.61	93.70	95.10	96.48	97.40	98.91	99.75	5.7%
Compressed Natural Gas	50.61	70.30	89.31	107.23	120.28	129.30	134.52	138.16	141.85	145.31	148.75	151.96	154.95	157.57	159.93	162.24	164.48	166.58	168.49	170.43	172.21	6.3%
Liquefied Petroleum Gas	35.00	45.92	54.82	63.68	69.96	74.45	76.85	78.16	79.69	81.12	82.31	83.57	84.50	85.50	86.34	87.10	87.95	88.80	89.65	90.57	91.49	4.9%
Electricity	1.79	2.53	3.24	4.12	4.95	5.68	6.51	7.13	7.72	8.53	9.38	10.28	11.47	12.68	13.79	15.52	17.25	18.96	21.30	23.66	25.89	14.3%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.05	0.07	0.09	0.12	0.15	0.17	0.20	0.24	N/A

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, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 36. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
New England

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
New Car Sales 1/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	438.0	404.9	398.6	403.8	389.5	376.7	356.1	358.1	358.7	354.7	354.5	354.7	351.7	351.6	352.6	347.5	349.4	351.7	355.3	357.3	358.6	-1.0%
TDI Diesel ICE	0.9	0.8	0.7	0.8	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	0.7	0.7	0.7	-0.8%
Total Conventional	438.8	405.7	399.3	404.5	390.3	377.4	356.8	358.8	359.4	355.4	355.1	355.4	352.4	352.3	353.3	348.2	350.0	352.3	356.0	358.0	359.3	-1.0%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	0.3	0.5	0.4	0.5	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	0.4	0.4	0.4	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3%
Ethanol-Flex Fuel ICE	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.7%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.2%
Electric Vehicle	0.1	0.1	0.1	0.4	0.7	0.9	2.0	2.0	1.8	2.5	2.5	2.6	3.4	3.4	3.2	5.2	5.2	5.2	7.2	7.2	7.0	22.5%
Electric-Diesel Hybrid	0.4	0.3	0.3	2.5	2.6	6.2	12.1	11.0	10.8	11.4	11.0	10.9	11.7	11.5	11.3	12.6	11.7	11.0	8.7	7.9	7.1	16.1%
Electric-Gasoline Hybrid	2.1	1.8	1.8	7.4	7.3	16.7	31.0	30.7	29.9	30.7	30.0	29.2	29.5	28.4	27.0	28.4	26.6	24.3	20.2	18.1	16.4	10.9%
CNG ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	6.4%
CNG Bi-fuel	3.3	3.6	3.6	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	0.3%
LPG ICE	0.5	0.9	1.1	1.1	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.0	-11.4%
LPG Bi-fuel	1.8	2.0	1.9	2.0	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	1.9	1.9	1.9	1.9	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	0.0	0.0	0.1	0.3	0.5	0.9	1.4	2.1	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	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	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	N/A
Total Alternatives	9.7	10.6	10.6	19.0	18.9	32.1	53.4	52.0	50.8	52.8	51.6	50.6	52.5	51.3	49.5	54.1	51.5	48.7	44.6	42.2	40.2	7.4%
Percent Alternative Car Sales	2.16	2.54	2.59	4.48	4.62	7.83	13.02	12.66	12.39	12.94	12.69	12.47	12.97	12.71	12.28	13.44	12.83	12.15	11.14	10.54	10.07	8.0%
Total New Car Sales	448.5	416.3	410.0	423.5	409.2	409.5	410.3	410.8	410.3	408.2	406.7	406.0	404.9	403.6	402.7	402.3	401.6	401.1	400.6	400.2	399.5	-0.6%
New Light Truck Sales 2/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	330.3	304.8	304.8	315.2	309.3	307.4	301.5	306.6	309.2	308.8	310.4	311.8	310.7	311.6	312.3	310.2	311.8	313.1	317.1	318.7	319.5	-0.2%
TDI Diesel ICE	25.7	25.0	20.9	23.8	23.4	23.7	23.4	22.0	21.7	21.5	20.9	20.7	20.9	20.6	20.7	20.5	20.4	21.1	21.3	21.3	21.2	-1.0%
Total Conventional	356.0	329.8	325.7	339.0	332.7	331.1	324.8	328.6	330.9	330.3	331.3	332.5	331.6	332.1	333.0	330.7	332.2	334.2	338.4	339.9	340.7	-0.2%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	0.6	0.7	0.7	0.8	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	0.8	0.8	0.8	0.8	1.8%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4%
Ethanol-Flex Fuel ICE	25.6	23.6	23.5	24.5	24.1	24.6	25.1	25.7	26.1	26.2	26.4	26.7	26.7	26.8	26.9	27.0	27.2	27.2	27.3	27.4	27.4	0.3%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0%
Electric Vehicle	0.1	0.1	0.1	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.8	0.8	0.8	0.9	0.9	0.9	12.4%
Electric-Diesel Hybrid	0.1	0.1	0.1	0.5	0.5	1.1	2.0	1.9	1.9	2.1	2.1	2.1	2.3	2.3	2.3	2.6	2.5	2.4	2.0	1.8	1.7	14.2%
Electric-Gasoline Hybrid	1.3	1.1	1.1	5.4	5.6	11.6	21.8	22.1	22.3	23.7	23.7	23.8	25.1	24.8	24.4	26.8	25.6	23.9	19.9	18.2	16.9	13.8%
CNG ICE	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.6	0.6	0.7	0.7	11.4%
CNG Bi-fuel	2.3	2.7	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.4	1.9%
LPG ICE	1.3	2.2	2.5	2.5	2.3	2.3	2.2	2.1	2.1	2.0	1.9	1.8	1.7	1.6	1.4	1.2	1.1	0.9	0.7	0.5	0.3	-6.9%
LPG Bi-fuel	1.4	1.6	1.6	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	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	0.0	0.0	0.1	0.1	0.3	0.6	1.0	1.7	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	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	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	N/A
Total Alternatives	32.8	32.3	32.4	38.4	38.3	45.6	57.2	58.1	58.7	60.3	60.4	60.7	62.3	62.1	61.7	64.7	63.5	61.9	57.9	56.5	55.6	2.7%

Table 36. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
New England

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Percent Alternative Light Truck Sales	8.43	8.92	9.05	10.19	10.31	12.10	14.98	15.01	15.06	15.44	15.43	15.44	15.81	15.75	15.63	16.36	16.06	15.63	14.60	14.25	14.04	2.6%
Total New Truck Sales	388.8	362.1	358.1	377.4	371.0	376.7	382.1	386.7	389.6	390.6	391.7	393.2	393.9	394.2	394.7	395.4	395.7	396.1	396.3	396.5	396.4	0.1%
Percent Total Alternative Sales	5.07	5.51	5.60	7.17	7.33	9.88	13.96	13.80	13.69	14.16	14.03	13.93	14.37	14.21	13.94	14.89	14.43	13.88	12.86	12.39	12.05	4.4%
EPACT Legislative Alternative Sales	10.99	13.19	13.01	13.57	13.23	13.33	13.44	13.53	13.57	13.55	13.55	13.56	13.56	13.54	13.54	13.54	13.53	13.53	13.53	13.52	13.51	1.0%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	42.15	78.64	116.45	157.95	158.61	159.18	164.83	164.91	165.72	172.54	173.00	173.12	186.50	187.15	187.35	199.82	200.52	200.60	N/A
Total Vehicles Sales	837.3	778.4	768.1	800.9	780.1	786.2	792.3	797.5	799.8	798.8	798.4	799.2	798.8	797.8	797.5	797.7	797.3	797.2	796.9	796.6	795.9	-0.3%

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: 2000 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, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 37. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
Middle Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
New Car Sales 1/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	1250.4	1150.5	1127.7	1137.6	1093.8	1088.3	1078.6	1077.1	1072.1	1061.3	1053.9	1048.3	1039.6	1032.7	1027.3	1018.0	1014.1	1010.3	1004.9	1000.8	996.5	-1.1%
TDI Diesel ICE	2.2	2.2	1.8	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.9	-0.7%
Total Conventional	1252.6	1152.6	1129.5	1139.6	1095.7	1090.3	1080.5	1078.9	1073.9	1063.0	1055.6	1050.0	1041.3	1034.4	1029.0	1019.7	1015.8	1012.1	1006.7	1002.7	998.3	-1.1%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	1.0	1.3	1.3	1.3	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	1.2	1.2	1.2	1.2	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.4%
Ethanol-Flex Fuel ICE	3.1	3.7	3.6	3.7	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	0.4%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.5%
Electric Vehicle	0.3	0.4	0.4	0.9	1.4	1.7	3.7	3.7	3.4	4.7	4.7	4.8	6.4	6.3	6.0	9.5	9.5	9.5	13.2	13.2	12.9	19.8%
Electric-Diesel Hybrid	0.9	0.9	0.8	6.8	6.9	7.9	10.0	9.5	9.8	10.3	10.4	10.8	11.7	12.1	12.7	13.7	13.4	13.5	12.2	12.1	11.8	13.5%
Electric-Gasoline Hybrid	5.9	5.1	5.0	20.7	20.6	22.2	27.0	27.8	28.3	29.1	29.7	30.3	30.8	31.1	31.4	32.2	31.8	31.3	29.8	29.3	28.7	8.3%
CNG ICE	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	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	-0.2%
CNG Bi-fuel	9.4	10.3	10.1	10.4	10.0	10.0	10.0	10.0	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.6	9.5	9.5	9.5	9.4	9.4	0.0%
LPG 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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-3.1%
LPG Bi-fuel	5.2	5.6	5.5	5.6	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.1	-0.1%
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	0.0	0.1	0.1	0.3	0.7	1.3	2.3	3.7	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	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A
Total Alternatives	26.4	27.9	27.3	50.1	49.8	52.6	61.5	61.8	62.3	64.8	65.3	66.2	69.1	69.7	70.2	75.6	75.0	74.9	76.3	76.7	76.8	5.5%
Percent Alternative Car Sales	2.07	2.36	2.36	4.21	4.35	4.61	5.39	5.42	5.48	5.74	5.83	5.93	6.22	6.32	6.39	6.90	6.88	6.89	7.05	7.10	7.14	6.4%
Total New Car Sales	1279.0	1180.5	1156.9	1189.7	1145.5	1142.9	1142.0	1140.7	1136.2	1127.8	1120.9	1116.2	1110.4	1104.2	1099.2	1095.3	1090.9	1086.9	1083.0	1079.3	1075.1	-0.9%
New Light Truck Sales 2/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	953.2	873.8	869.2	895.6	875.9	883.8	890.9	902.1	906.7	905.8	906.5	906.8	904.4	902.6	899.9	897.7	896.0	892.6	891.0	888.3	884.7	-0.4%
TDI Diesel ICE	63.8	65.7	55.0	61.7	60.4	61.6	61.2	57.5	56.3	55.8	54.1	53.7	54.0	53.0	53.3	52.4	51.9	53.5	53.8	53.6	53.4	-0.9%
Total Conventional	1017.0	939.5	924.2	957.3	936.2	945.4	952.2	959.6	962.9	961.6	960.6	960.5	958.3	955.6	953.2	950.0	948.0	946.1	944.8	941.9	938.1	-0.4%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	1.6	2.1	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	1.5%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.3%
Ethanol-Flex Fuel ICE	74.3	68.1	67.4	70.0	68.6	69.8	70.8	72.4	73.1	73.3	73.7	74.1	74.1	74.2	74.2	74.3	74.4	74.3	74.5	74.4	74.2	0.0%
Ethanol 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.8%
Electric Vehicle	0.3	0.3	0.3	0.6	0.9	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.1	1.5	1.5	1.5	1.8	1.8	1.8	10.3%
Electric-Diesel Hybrid	0.3	0.3	0.3	1.3	1.4	1.6	1.9	1.8	1.9	2.1	2.1	2.2	2.4	2.5	2.6	2.9	2.8	2.9	2.8	2.8	2.7	11.6%
Electric-Gasoline Hybrid	3.6	3.2	3.0	15.2	15.7	17.5	21.4	22.4	23.4	24.6	25.5	26.5	27.6	28.4	29.4	31.0	31.0	30.9	29.4	29.4	29.3	11.1%
CNG ICE	0.7	0.6	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.0	1.1	1.1	2.6%
CNG Bi-fuel	6.4	7.7	7.6	8.0	7.9	8.0	8.1	8.2	8.3	8.3	8.3	8.3	8.4	8.4	8.4	8.4	8.5	8.5	8.6	8.7	8.8	1.6%
LPG ICE	0.5	0.6	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.2%
LPG Bi-fuel	3.9	4.5	4.5	4.7	4.6	4.7	4.7	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	4.8	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	0.0	0.0	0.1	0.2	0.4	0.8	1.6	2.9	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	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	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A
Total Alternatives	91.6	87.4	86.4	103.0	102.3	105.9	111.3	113.9	116.0	117.5	118.9	120.4	122.0	123.0	124.2	126.7	127.0	127.2	126.5	127.5	128.5	1.7%

Table 37. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
Middle Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Percent Alternative Light Truck Sales	8.26	8.51	8.55	9.72	9.85	10.07	10.47	10.61	10.75	10.89	11.02	11.14	11.30	11.40	11.53	11.76	11.81	11.85	11.81	11.92	12.05	1.9%
Total New Truck Sales	1108.6	1026.9	1010.6	1060.3	1038.5	1051.3	1063.5	1073.5	1078.9	1079.1	1079.5	1080.9	1080.3	1078.6	1077.4	1076.7	1075.0	1073.3	1071.4	1069.4	1066.6	-0.2%
Percent Total Alternative Sales	4.94	5.22	5.25	6.81	6.96	7.23	7.84	7.94	8.05	8.26	8.37	8.49	8.72	8.83	8.93	9.31	9.33	9.35	9.42	9.50	9.59	3.4%
EPACT Legislative Alternative Sales	31.35	37.40	36.72	38.14	37.03	37.21	37.41	37.56	37.58	37.45	37.34	37.29	37.18	37.05	36.95	36.87	36.77	36.67	36.57	36.48	36.36	0.7%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	76.74	143.16	211.94	287.42	288.57	289.57	299.82	299.93	301.37	313.75	314.57	314.78	339.10	340.25	340.61	363.27	364.54	364.68	N/A
Total Vehicles Sales	2387.6	2207.4	2167.4	2250.1	2184.0	2194.2	2205.5	2214.2	2215.1	2206.9	2200.4	2197.2	2190.8	2182.7	2176.6	2172.0	2165.8	2160.3	2154.4	2148.7	2141.7	-0.5%

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: 2000 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, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 38. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
East North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
New Car Sales 1/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	1436.6	1325.0	1301.4	1316.4	1269.1	1265.8	1259.6	1260.9	1257.1	1247.8	1240.8	1236.2	1229.4	1222.9	1217.6	1212.3	1209.2	1206.4	1205.8	1202.4	1198.2	-0.9%
TDI Diesel ICE	2.9	2.6	2.2	2.3	2.2	2.3	2.3	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	-1.2%
Total Conventional	1439.5	1327.6	1303.6	1318.7	1271.3	1268.0	1261.9	1263.1	1259.3	1249.9	1242.9	1238.2	1231.5	1224.9	1219.7	1214.4	1211.3	1208.5	1208.0	1204.6	1200.4	-0.9%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	1.1	1.5	1.4	1.5	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	1.4	1.4	1.4	1.4	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.7%
Ethanol-Flex Fuel ICE	3.5	4.2	4.2	4.3	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	0.6%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.9%
Electric Vehicle	0.4	0.4	0.4	0.5	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	0.4	0.4	0.4	0.5%
Electric-Diesel Hybrid	1.2	1.1	1.0	7.9	7.9	9.2	11.9	11.3	11.7	12.4	12.5	13.0	14.1	14.6	15.3	16.6	16.4	16.2	14.6	14.6	14.2	13.2%
Electric-Gasoline Hybrid	6.7	5.8	5.7	23.8	23.7	25.7	31.1	32.2	32.9	33.9	34.6	35.3	35.9	36.4	36.8	37.8	37.3	36.9	35.2	34.6	34.0	8.4%
CNG ICE	0.9	0.9	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	-0.7%
CNG Bi-fuel	10.8	11.9	11.8	12.1	11.7	11.7	11.7	11.7	11.7	11.6	11.6	11.5	11.5	11.4	11.4	11.4	11.3	11.3	11.3	11.3	11.2	0.2%
LPG ICE	0.1	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.4%
LPG Bi-fuel	5.9	6.4	6.3	6.5	6.3	6.3	6.3	6.3	6.3	6.3	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.1	6.1	6.1	6.1	0.1%
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	0.0	0.1	0.2	0.4	0.8	1.5	2.7	4.4	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	30.8	32.4	31.9	57.5	56.6	59.8	68.0	68.4	69.5	71.0	71.7	72.8	74.4	75.4	76.4	78.8	78.3	78.0	75.4	75.9	76.6	4.7%
Percent Alternative Car Sales	2.10	2.38	2.39	4.18	4.26	4.50	5.12	5.14	5.23	5.37	5.46	5.55	5.70	5.80	5.90	6.09	6.07	6.06	5.88	5.93	6.00	5.4%
Total New Car Sales	1470.3	1360.0	1335.5	1376.2	1327.8	1327.8	1329.9	1331.5	1328.7	1320.8	1314.6	1311.0	1305.9	1300.3	1296.2	1293.2	1289.6	1286.5	1283.4	1280.5	1277.0	-0.7%
New Light Truck Sales 2/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	1082.7	1002.7	999.9	1036.1	1016.7	1026.4	1035.8	1051.6	1058.9	1059.3	1061.4	1063.4	1061.9	1061.2	1059.4	1058.1	1057.2	1056.1	1056.6	1054.0	1050.9	-0.1%
TDI Diesel ICE	87.0	79.6	66.7	71.1	68.7	72.4	73.6	68.9	67.6	67.3	65.6	65.2	65.9	64.8	65.3	64.7	64.6	64.7	64.2	64.8	64.5	-1.5%
Total Conventional	1169.7	1082.3	1066.6	1107.2	1085.3	1098.9	1109.4	1120.5	1126.5	1126.6	1127.1	1128.6	1127.7	1126.0	1124.7	1122.8	1121.8	1120.8	1120.9	1118.8	1115.4	-0.2%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	1.8	2.4	2.3	2.5	2.4	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	2.6	2.6	2.5	1.7%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.5%
Ethanol-Flex Fuel ICE	83.9	78.0	77.4	80.9	79.6	80.9	82.2	84.2	85.3	85.6	86.2	86.7	86.8	87.0	87.1	87.3	87.5	87.7	88.1	88.1	87.9	0.2%
Ethanol 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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.9%
Electric Vehicle	0.3	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	0.4	0.4	0.4	0.4	0.4	0.4	1.4%
Electric-Diesel Hybrid	0.4	0.4	0.3	1.5	1.6	1.8	2.3	2.2	2.3	2.5	2.5	2.7	2.9	3.0	3.2	3.5	3.5	3.5	3.3	3.3	3.3	11.2%
Electric-Gasoline Hybrid	4.1	3.7	3.5	17.4	18.1	20.2	24.8	26.0	27.2	28.6	29.7	30.9	32.3	33.3	34.4	36.4	36.4	36.5	34.8	34.8	34.7	11.2%
CNG ICE	1.4	1.3	1.5	1.5	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.8%
CNG Bi-fuel	7.8	9.1	9.2	9.6	9.4	9.6	9.8	10.0	10.0	10.1	10.1	10.2	10.2	10.3	10.3	10.4	10.5	10.6	10.7	10.9	11.1	1.8%
LPG ICE	0.4	0.3	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	0.3	0.3	0.3	0.3	0.4	0.4	0.3%
LPG Bi-fuel	4.5	5.2	5.2	5.4	5.3	5.4	5.5	5.6	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	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	0.0	0.0	0.1	0.2	0.5	1.0	1.9	3.4	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	104.7	100.8	100.0	119.3	118.5	122.5	129.2	132.6	135.2	137.2	139.0	141.0	142.8	144.2	145.7	148.4	148.9	149.6	148.7	149.9	151.4	1.9%

Table 38. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
East North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Percent Alternative Light Truck Sales	8.21	8.52	8.58	9.73	9.84	10.03	10.43	10.58	10.71	10.86	10.98	11.11	11.24	11.35	11.47	11.67	11.72	11.77	11.71	11.82	11.95	1.9%
Total New Truck Sales	1274.3	1183.1	1166.6	1226.5	1203.8	1221.4	1238.6	1253.1	1261.7	1263.8	1266.1	1269.6	1270.6	1270.2	1270.4	1271.2	1270.8	1270.4	1269.6	1268.7	1266.8	0.0%
Percent Total Alternative Sales	4.94	5.24	5.27	6.79	6.91	7.15	7.68	7.78	7.90	8.05	8.17	8.29	8.43	8.54	8.66	8.86	8.87	8.90	8.78	8.86	8.96	3.0%
EPACT Legislative Alternative Sales	36.04	43.09	42.40	44.11	42.92	43.23	43.56	43.84	43.95	43.86	43.79	43.80	43.73	43.63	43.57	43.53	43.46	43.41	43.34	43.28	43.19	0.9%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Vehicles Sales	2744.6	2543.1	2502.2	2602.7	2531.6	2549.2	2568.5	2584.5	2590.4	2584.7	2580.7	2580.6	2576.5	2570.4	2566.6	2564.4	2560.3	2556.9	2553.0	2549.2	2543.8	-0.4%

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: 2000 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, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 39. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
West North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
New Car Sales 1/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	603.5	558.9	551.0	559.3	540.8	540.4	538.6	539.9	539.3	536.5	534.7	533.8	532.0	530.2	529.0	527.7	527.4	527.1	527.8	527.3	526.3	-0.7%
TDI Diesel ICE	1.2	1.1	0.9	1.0	0.9	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	-0.7%
Total Conventional	604.7	560.0	551.9	560.3	541.7	541.4	539.5	540.9	540.2	537.4	535.6	534.7	532.9	531.1	529.9	528.7	528.3	528.1	528.8	528.2	527.3	-0.7%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	0.5	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	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-5.1%
Ethanol-Flex Fuel ICE	1.5	1.8	1.8	1.8	1.8	1.8	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	1.7	1.7	0.8%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-6.5%
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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7%
Electric-Diesel Hybrid	0.5	0.4	0.4	3.3	3.4	3.9	5.1	4.9	5.0	5.3	5.4	5.6	6.1	6.4	6.7	7.3	7.2	7.1	6.4	6.4	6.3	13.6%
Electric-Gasoline Hybrid	2.8	2.4	2.4	10.1	10.1	10.9	13.3	13.7	14.0	14.5	14.9	15.2	15.5	15.7	15.9	16.4	16.2	16.0	15.4	15.1	14.9	8.7%
CNG ICE	0.2	0.2	0.2	0.2	0.2	0.2	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	0.1	0.1	-4.3%
CNG Bi-fuel	4.6	5.0	5.0	5.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.9	4.9	0.4%
LPG ICE	0.3	0.5	0.4	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3	6.8%
LPG Bi-fuel	2.5	2.7	2.7	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	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	0.0	0.0	0.1	0.2	0.4	0.7	1.2	1.9	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	13.0	13.9	13.7	24.6	24.3	25.8	29.4	29.7	30.2	31.0	31.4	32.0	32.8	33.3	33.9	35.0	34.9	34.9	33.9	34.2	34.6	5.0%
Percent Alternative Car Sales	2.11	2.42	2.42	4.21	4.30	4.55	5.17	5.20	5.29	5.45	5.54	5.64	5.79	5.90	6.01	6.21	6.20	6.20	6.02	6.08	6.16	5.5%
Total New Car Sales	617.7	573.9	565.6	584.9	566.0	567.2	569.0	570.5	570.4	568.3	566.9	566.7	565.7	564.4	563.8	563.7	563.2	563.0	562.7	562.4	561.9	-0.5%
New Light Truck Sales 2/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	456.3	423.4	423.7	439.9	432.9	437.6	442.0	449.5	453.3	454.4	456.3	458.0	458.2	458.7	458.7	459.0	459.3	459.6	460.4	459.9	459.3	0.0%
TDI Diesel ICE	34.5	32.4	27.3	30.0	29.0	30.9	31.6	29.6	29.1	29.0	28.3	28.2	28.6	28.2	28.4	28.3	28.2	28.3	28.1	28.4	28.3	-1.0%
Total Conventional	490.8	455.8	451.0	469.9	461.9	468.5	473.6	479.0	482.4	483.5	484.6	486.2	486.8	486.9	487.2	487.2	487.6	487.9	488.6	488.4	487.6	0.0%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	0.8	1.0	1.0	1.0	1.0	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	1.1	1.1	1.1	1.9%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-5.1%
Ethanol-Flex Fuel ICE	35.4	32.9	32.8	34.3	33.9	34.5	35.0	35.9	36.4	36.6	37.0	37.3	37.4	37.5	37.6	37.7	37.9	38.0	38.2	38.2	38.2	0.4%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-6.8%
Electric Vehicle	0.1	0.2	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	0.2	0.2	0.2	0.2	0.2	0.2	1.6%
Electric-Diesel Hybrid	0.2	0.2	0.1	0.6	0.7	0.8	1.0	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5	1.5	1.5	1.4	1.5	1.4	11.7%
Electric-Gasoline Hybrid	1.7	1.5	1.5	7.3	7.7	8.6	10.5	11.0	11.6	12.2	12.7	13.2	13.9	14.3	14.8	15.7	15.7	15.7	15.1	15.1	15.1	11.5%
CNG 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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-2.9%
CNG Bi-fuel	3.3	3.8	3.9	4.1	4.0	4.1	4.2	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.5	4.5	4.6	4.6	4.7	4.8	4.8	2.0%
LPG ICE	1.0	1.3	1.2	1.3	1.4	1.6	1.8	1.9	2.1	2.2	2.4	2.6	2.8	3.0	3.3	3.5	3.8	4.0	4.3	4.6	4.9	8.0%
LPG Bi-fuel	1.9	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.4%
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	0.0	0.0	0.0	0.1	0.2	0.4	0.8	1.5	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	44.6	43.4	43.1	51.4	51.3	53.2	56.2	57.9	59.2	60.3	61.4	62.5	63.6	64.5	65.5	66.9	67.5	68.1	68.0	68.9	69.9	2.3%

Table 39. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
West North Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Percent Alternative Light Truck Sales	8.33	8.69	8.72	9.86	9.99	10.20	10.61	10.78	10.93	11.10	11.24	11.39	11.55	11.69	11.85	12.07	12.15	12.24	12.22	12.36	12.53	2.1%
Total New Truck Sales	535.4	499.2	494.1	521.3	513.1	521.7	529.9	536.9	541.7	543.8	546.0	548.7	550.4	551.4	552.6	554.1	555.0	555.9	556.6	557.2	557.4	0.2%
Percent Total Alternative Sales	5.00	5.34	5.36	6.87	7.01	7.26	7.79	7.91	8.04	8.21	8.34	8.47	8.63	8.76	8.90	9.12	9.15	9.20	9.11	9.21	9.33	3.2%
EPACT Legislative Alternative Sales	15.14	18.18	17.95	18.75	18.30	18.46	18.64	18.79	18.87	18.87	18.89	18.93	18.94	18.94	18.95	18.97	18.98	18.99	19.00	19.01	19.00	1.1%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Vehicles Sales	1153.2	1073.0	1059.7	1106.2	1079.1	1088.9	1098.8	1107.4	1112.1	1112.1	1112.9	1115.4	1116.0	1115.8	1116.5	1117.8	1118.2	1118.9	1119.3	1119.7	1119.3	-0.1%

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: 2000 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, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 40. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
South Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
New Car Sales 1/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	1641.8	1525.0	1508.4	1536.9	1493.0	1500.6	1504.6	1517.7	1525.7	1527.8	1532.9	1540.7	1546.1	1551.9	1559.2	1566.3	1576.2	1586.5	1599.7	1609.0	1617.2	-0.1%
TDI Diesel ICE	2.9	2.9	2.5	2.7	2.5	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.9	3.0	0.2%
Total Conventional	1644.7	1527.9	1511.0	1539.6	1495.5	1503.2	1507.3	1520.3	1528.3	1530.3	1535.4	1543.3	1548.8	1554.5	1561.8	1569.0	1578.9	1589.3	1602.5	1612.0	1620.2	-0.1%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.8%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3%
Ethanol-Flex Fuel ICE	4.0	4.9	4.8	5.0	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.1	5.1	5.1	5.1	5.2	5.2	5.2	5.3	5.3	5.3	1.4%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.3%
Electric Vehicle	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	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	1.3%
Electric-Diesel Hybrid	1.2	1.2	1.1	9.1	9.3	10.9	14.2	13.5	14.1	15.1	15.4	16.2	17.7	18.5	19.6	21.5	21.4	21.3	19.3	19.5	19.2	14.6%
Electric-Gasoline Hybrid	7.6	6.6	6.6	27.5	27.6	30.1	36.8	38.4	39.5	41.1	42.4	43.6	44.8	45.8	46.7	48.4	48.3	48.1	46.4	46.0	45.6	9.4%
CNG ICE	0.9	0.8	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	0.9	0.9	1.0	0.4%
CNG Bi-fuel	12.3	13.7	13.6	14.1	13.7	13.8	13.9	14.0	14.1	14.2	14.2	14.3	14.4	14.5	14.5	14.6	14.7	14.8	14.9	15.0	15.1	1.0%
LPG ICE	0.1	0.1	0.1	0.1	0.1	0.1	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	0.1	0.1	-0.8%
LPG Bi-fuel	6.8	7.4	7.3	7.6	7.4	7.4	7.5	7.6	7.6	7.7	7.7	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.2	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	0.0	0.1	0.2	0.5	1.1	2.0	3.6	5.8	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	34.7	37.0	36.7	66.6	66.0	70.3	80.6	81.7	83.7	86.3	88.0	90.2	93.0	95.0	97.3	101.2	101.4	102.0	99.5	101.0	102.8	5.6%
Percent Alternative Car Sales	2.07	2.37	2.37	4.14	4.23	4.47	5.08	5.10	5.19	5.34	5.42	5.52	5.67	5.76	5.86	6.06	6.04	6.03	5.84	5.90	5.96	5.4%
Total New Car Sales	1679.4	1565.0	1547.7	1606.2	1561.5	1573.5	1587.9	1602.0	1611.9	1616.6	1623.4	1633.4	1641.8	1649.5	1659.1	1670.2	1680.4	1691.2	1702.0	1713.0	1723.0	0.1%
New Light Truck Sales 2/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	1249.6	1156.2	1160.8	1210.6	1197.0	1218.0	1238.1	1266.8	1286.0	1297.9	1312.2	1326.1	1336.1	1347.3	1357.2	1367.7	1378.7	1389.7	1402.5	1411.2	1419.3	0.6%
TDI Diesel ICE	85.7	89.3	75.4	82.1	79.9	84.8	87.2	82.1	81.4	81.7	80.3	80.8	82.4	81.9	83.2	83.3	83.9	84.6	84.8	86.3	86.6	0.1%
Total Conventional	1335.3	1245.5	1236.3	1292.8	1276.9	1302.8	1325.3	1348.8	1367.4	1379.6	1392.5	1406.9	1418.5	1429.2	1440.4	1451.0	1462.7	1474.3	1487.3	1497.5	1505.9	0.6%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	2.1	2.7	2.7	2.9	2.8	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.4	2.5%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1%
Ethanol-Flex Fuel ICE	97.3	90.1	90.0	94.6	93.8	96.1	98.3	101.5	103.6	105.0	106.6	108.2	109.3	110.5	111.6	112.9	114.2	115.5	117.0	118.0	118.8	1.0%
Ethanol ICE	0.1	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.8%
Electric Vehicle	0.3	0.4	0.4	0.4	0.4	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	0.5	0.5	0.5	2.2%
Electric-Diesel Hybrid	0.4	0.4	0.4	1.7	1.8	2.1	2.7	2.6	2.8	3.0	3.1	3.3	3.6	3.8	4.1	4.6	4.6	4.6	4.4	4.5	4.5	12.7%
Electric-Gasoline Hybrid	4.6	4.2	4.0	20.1	21.1	23.7	29.3	31.0	32.7	34.7	36.4	38.2	40.3	41.9	43.8	46.7	47.2	47.6	45.9	46.3	46.6	12.2%
CNG ICE	1.3	1.2	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.8	1.9	2.0	2.0	2.0	2.1	2.2	2.8%
CNG Bi-fuel	8.7	10.3	10.5	11.0	10.9	11.1	11.5	11.7	11.9	12.1	12.2	12.4	12.6	12.7	12.9	13.1	13.3	13.5	13.8	14.1	14.5	2.6%
LPG ICE	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	2.6%
LPG Bi-fuel	5.2	6.0	6.0	6.3	6.3	6.4	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2	7.3	7.4	7.4	7.5	7.6	7.7	7.7	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	0.0	0.0	0.1	0.2	0.6	1.3	2.5	4.5	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	120.2	115.8	115.7	138.7	138.7	144.6	153.5	158.9	163.3	167.2	170.9	174.9	178.8	182.1	185.8	190.8	193.2	195.8	196.4	199.7	203.3	2.7%

Table 40. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
South Atlantic

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Percent Alternative Light Truck Sales	8.26	8.51	8.56	9.69	9.80	9.99	10.38	10.54	10.67	10.81	10.93	11.06	11.19	11.30	11.42	11.62	11.67	11.72	11.66	11.76	11.90	1.8%
Total New Truck Sales	1455.6	1361.3	1351.9	1431.5	1415.7	1447.4	1478.8	1507.7	1530.7	1546.8	1563.4	1581.8	1597.3	1611.3	1626.2	1641.8	1655.9	1670.1	1683.7	1697.1	1709.2	0.8%
Percent Total Alternative Sales	4.94	5.22	5.26	6.76	6.88	7.11	7.64	7.74	7.86	8.01	8.12	8.24	8.39	8.50	8.62	8.82	8.83	8.86	8.74	8.82	8.92	3.0%
EPACT Legislative Alternative Sales	41.16	49.58	49.13	51.48	50.47	51.23	52.01	52.75	53.32	53.68	54.08	54.57	54.97	55.35	55.77	56.22	56.63	57.06	57.48	57.89	58.27	1.8%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Vehicles Sales	3135.0	2926.3	2899.6	3037.7	2977.2	3020.9	3066.8	3109.7	3142.6	3163.4	3186.7	3215.2	3239.1	3260.8	3285.3	3312.0	3336.3	3361.3	3385.7	3410.1	3432.2	0.5%

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: 2000 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, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 41. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
East South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
New Car Sales 1/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	539.2	500.0	493.6	501.8	485.5	485.3	483.9	485.4	485.1	482.8	481.3	480.8	479.3	477.9	477.0	476.1	476.0	475.9	476.8	476.5	475.9	-0.6%
TDI Diesel ICE	1.0	1.0	0.9	0.9	0.8	0.9	0.9	0.9	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	-0.3%
Total Conventional	540.2	501.0	494.5	502.7	486.4	486.2	484.9	486.3	485.9	483.6	482.2	481.6	480.1	478.8	477.9	476.9	476.8	476.8	477.7	477.4	476.8	-0.6%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	0.4	0.6	0.5	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	0.6	0.6	0.6	0.6	0.6	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.4%
Ethanol-Flex Fuel ICE	1.3	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	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.9%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.7%
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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.8%
Electric-Diesel Hybrid	0.4	0.4	0.4	3.0	3.1	3.6	4.7	4.4	4.6	4.9	5.0	5.2	5.6	5.8	6.2	6.7	6.6	6.6	5.9	5.9	5.8	14.0%
Electric-Gasoline Hybrid	2.5	2.2	2.2	9.0	9.0	9.8	11.9	12.3	12.6	13.0	13.3	13.6	13.9	14.1	14.3	14.7	14.6	14.4	13.8	13.6	13.4	8.8%
CNG ICE	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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.1%
CNG Bi-fuel	4.1	4.5	4.4	4.6	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.5	4.4	4.4	4.4	4.4	4.4	0.5%
LPG ICE	0.1	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.9%
LPG Bi-fuel	2.2	2.4	2.4	2.5	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	2.4	2.4	2.4	2.4	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	0.0	0.0	0.1	0.2	0.3	0.6	1.1	1.7	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	11.4	12.2	12.0	21.8	21.5	22.8	26.1	26.3	26.7	27.4	27.8	28.3	29.0	29.4	29.9	30.9	30.8	30.8	29.8	30.1	30.4	5.0%
Percent Alternative Car Sales	2.07	2.37	2.38	4.16	4.24	4.48	5.10	5.12	5.21	5.36	5.45	5.54	5.69	5.79	5.89	6.09	6.06	6.06	5.87	5.92	5.99	5.5%
Total New Car Sales	551.6	513.2	506.5	524.5	507.9	509.1	510.9	512.5	512.7	511.0	509.9	509.8	509.1	508.2	507.8	507.8	507.6	507.6	507.5	507.5	507.2	-0.4%
New Light Truck Sales 2/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	409.3	377.9	378.9	394.5	388.6	393.0	397.2	404.2	407.9	409.2	411.1	412.9	413.3	414.1	414.4	414.9	415.5	416.0	417.2	417.1	416.8	0.1%
TDI Diesel ICE	29.3	30.6	25.8	27.7	26.8	28.6	29.3	27.5	27.1	27.0	26.4	26.3	26.6	26.3	26.5	26.4	26.4	26.5	26.3	26.6	26.5	-0.5%
Total Conventional	438.7	408.5	404.7	422.2	415.4	421.6	426.5	431.6	435.0	436.2	437.5	439.2	439.9	440.3	440.9	441.2	441.9	442.5	443.5	443.7	443.3	0.1%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	0.7	0.9	0.9	0.9	0.9	0.9	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	1.0	1.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0%
Ethanol-Flex Fuel ICE	31.8	29.4	29.3	30.8	30.4	31.0	31.5	32.3	32.8	33.0	33.4	33.7	33.8	33.9	34.1	34.2	34.4	34.5	34.8	34.8	34.8	0.5%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.5%
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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.7%
Electric-Diesel Hybrid	0.1	0.1	0.1	0.6	0.6	0.7	0.9	0.9	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.4	1.4	1.4	1.4	12.1%
Electric-Gasoline Hybrid	1.5	1.4	1.3	6.6	6.9	7.7	9.4	9.9	10.4	11.0	11.4	11.9	12.5	12.9	13.4	14.2	14.2	14.3	13.7	13.7	13.7	11.6%
CNG ICE	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	2.8%
CNG Bi-fuel	2.9	3.4	3.4	3.6	3.5	3.6	3.7	3.7	3.8	3.8	3.8	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.1	4.2	4.2	2.0%
LPG ICE	0.3	0.3	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	0.2	0.2	0.3	0.3	0.3	0.6%
LPG Bi-fuel	1.7	2.0	2.0	2.1	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	1.5%
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	0.0	0.0	0.0	0.1	0.2	0.4	0.7	1.3	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	39.5	37.9	37.8	45.2	45.1	46.7	49.3	50.7	51.9	52.8	53.6	54.5	55.4	56.0	56.8	58.0	58.3	58.7	58.5	59.1	59.8	2.1%

Table 41. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
East South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Percent Alternative Light Truck Sales	8.25	8.49	8.54	9.68	9.79	9.97	10.36	10.52	10.65	10.80	10.92	11.05	11.18	11.29	11.41	11.61	11.66	11.71	11.65	11.76	11.89	1.8%
Total New Truck Sales	478.1	446.4	442.5	467.4	460.5	468.3	475.8	482.4	486.8	488.9	491.1	493.7	495.3	496.4	497.7	499.2	500.2	501.2	502.0	502.8	503.2	0.3%
Percent Total Alternative Sales	4.94	5.22	5.25	6.76	6.88	7.11	7.64	7.74	7.86	8.02	8.13	8.25	8.40	8.51	8.63	8.83	8.84	8.87	8.75	8.83	8.93	3.0%
EPACT Legislative Alternative Sales	13.52	16.26	16.08	16.81	16.42	16.57	16.74	16.88	16.96	16.97	16.99	17.03	17.05	17.05	17.07	17.09	17.11	17.12	17.14	17.15	17.15	1.2%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Vehicles Sales	1029.8	959.6	949.0	991.9	968.3	977.3	986.7	994.9	999.5	999.9	1001.0	1003.6	1004.4	1004.5	1005.5	1007.0	1007.8	1008.8	1009.5	1010.3	1010.3	-0.1%

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: 2000 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, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 42. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
West South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
New Car Sales 1/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	961.1	893.5	884.6	901.8	876.3	881.0	883.5	891.4	896.0	897.0	899.6	903.8	906.2	908.6	911.9	915.0	919.6	924.5	931.0	935.2	938.7	-0.1%
TDI Diesel ICE	1.8	1.8	1.5	1.6	1.5	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8	0.1%
Total Conventional	962.9	895.2	886.1	903.4	877.9	882.6	885.2	892.9	897.5	898.5	901.1	905.3	907.7	910.2	913.5	916.6	921.3	926.2	932.7	937.0	940.5	-0.1%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	0.8	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	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.8%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0%
Ethanol-Flex Fuel ICE	2.4	2.9	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	1.4%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.9%
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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.3%
Electric-Diesel Hybrid	0.8	0.7	0.7	5.5	5.6	6.5	8.5	8.1	8.4	9.0	9.2	9.7	10.6	11.1	11.7	12.8	12.7	12.7	11.5	11.6	11.4	14.6%
Electric-Gasoline Hybrid	4.4	3.9	3.9	16.2	16.2	17.7	21.6	22.6	23.2	24.2	24.9	25.6	26.2	26.8	27.3	28.2	28.1	28.0	27.0	26.7	26.4	9.4%
CNG ICE	0.7	0.7	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.1%
CNG Bi-fuel	7.3	8.1	8.0	8.3	8.1	8.2	8.2	8.3	8.4	8.4	8.4	8.5	8.5	8.5	8.6	8.6	8.6	8.7	8.7	8.8	8.8	1.0%
LPG ICE	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2%
LPG Bi-fuel	4.0	4.3	4.3	4.5	4.3	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.8	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	0.0	0.0	0.1	0.3	0.6	1.2	2.1	3.4	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	20.6	22.0	21.9	39.6	39.3	41.8	47.9	48.5	49.6	51.1	52.1	53.4	55.0	56.1	57.4	59.6	59.7	59.9	58.4	59.2	60.1	5.5%
Percent Alternative Car Sales	2.09	2.40	2.41	4.20	4.28	4.52	5.13	5.15	5.24	5.38	5.47	5.57	5.71	5.81	5.91	6.11	6.09	6.08	5.89	5.94	6.01	5.4%
Total New Car Sales	983.4	917.2	907.9	943.0	917.2	924.4	933.0	941.4	947.1	949.6	953.3	958.7	962.7	966.3	970.9	976.2	981.0	986.1	991.1	996.2	1000.6	0.1%
New Light Truck Sales 2/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	729.2	676.1	679.5	707.9	700.2	712.7	725.0	742.2	753.6	760.5	768.2	776.0	781.2	787.0	791.9	797.1	802.5	807.8	814.3	818.1	821.6	0.6%
TDI Diesel ICE	52.4	53.3	45.1	50.5	49.2	52.0	53.1	49.7	49.1	49.2	48.9	49.1	50.0	49.6	50.3	50.3	50.6	51.1	51.1	51.9	52.1	0.0%
Total Conventional	781.6	729.5	724.6	758.4	749.4	764.7	778.0	791.9	802.7	809.7	817.0	825.0	831.2	836.6	842.2	847.4	853.2	858.9	865.3	870.1	873.7	0.6%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	1.2	1.6	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.5%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1%
Ethanol-Flex Fuel ICE	56.7	52.6	52.6	55.2	54.8	56.1	57.5	59.4	60.6	61.4	62.3	63.2	63.8	64.4	65.0	65.7	66.4	67.0	67.8	68.3	68.6	1.0%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4%
Electric Vehicle	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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	2.2%
Electric-Diesel Hybrid	0.2	0.3	0.2	1.1	1.1	1.3	1.6	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.5	2.7	2.8	2.8	2.6	2.7	2.7	12.7%
Electric-Gasoline Hybrid	2.7	2.5	2.3	11.8	12.4	13.9	17.2	18.2	19.2	20.4	21.4	22.4	23.6	24.5	25.6	27.3	27.5	27.7	26.7	26.9	27.0	12.2%
CNG ICE	1.1	1.1	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.7	2.3%
CNG Bi-fuel	5.4	6.4	6.5	6.8	6.7	6.9	7.1	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.4	8.5	8.7	9.0	2.6%
LPG ICE	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	3.8%
LPG Bi-fuel	3.0	3.5	3.5	3.7	3.7	3.8	3.9	3.9	4.0	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.4	4.4	4.4	4.5	4.5	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	0.0	0.0	0.1	0.1	0.3	0.7	1.5	2.6	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	70.8	68.4	68.5	82.0	82.1	85.6	90.9	94.0	96.6	98.9	101.0	103.3	105.5	107.3	109.4	112.2	113.5	114.9	115.1	116.9	118.9	2.6%

Table 42. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
West South Central

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Percent Alternative Light Truck Sales	8.30	8.58	8.64	9.76	9.87	10.06	10.46	10.61	10.75	10.89	11.00	11.13	11.26	11.37	11.50	11.69	11.74	11.80	11.74	11.85	11.98	1.9%
Total New Truck Sales	852.4	797.9	793.1	840.5	831.5	850.3	868.9	885.9	899.3	908.6	918.0	928.4	936.7	943.9	951.6	959.6	966.7	973.8	980.5	987.0	992.6	0.8%
Percent Total Alternative Sales	4.98	5.27	5.32	6.82	6.94	7.18	7.70	7.80	7.92	8.07	8.18	8.30	8.45	8.56	8.68	8.88	8.89	8.92	8.80	8.88	8.98	3.0%
EPACT Legislative Alternative Sales	24.10	29.06	28.82	30.23	29.65	30.09	30.56	31.00	31.33	31.53	31.75	32.02	32.24	32.42	32.63	32.86	33.06	33.27	33.47	33.67	33.84	1.7%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Vehicles Sales	1835.8	1715.1	1701.1	1783.5	1748.6	1774.7	1802.0	1827.3	1846.4	1858.2	1871.3	1887.0	1899.4	1910.2	1922.5	1935.8	1947.7	1959.9	1971.6	1983.2	1993.3	0.4%

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: 2000 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, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 43. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
Mountain

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
New Car Sales 1/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	533.6	501.0	500.7	514.9	504.5	511.2	516.7	525.6	532.7	537.7	543.8	550.8	556.8	562.9	569.5	576.1	583.8	591.7	600.7	608.3	615.4	0.7%
TDI Diesel ICE	1.0	1.0	0.9	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.3	0.9%
Total Conventional	534.6	502.0	501.6	515.8	505.4	512.2	517.8	526.6	533.7	538.7	544.8	551.8	557.8	563.9	570.6	577.2	584.9	592.8	601.8	609.5	616.7	0.7%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	0.4	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	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.6%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.6%
Ethanol-Flex Fuel ICE	1.3	1.6	1.6	1.7	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.2%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-6.0%
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	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	2.1%
Electric-Diesel Hybrid	0.4	0.4	0.4	3.3	3.3	3.9	5.2	5.0	5.3	5.6	5.8	6.1	6.8	7.1	7.6	8.4	8.4	8.4	7.7	7.8	7.7	15.5%
Electric-Gasoline Hybrid	2.5	2.2	2.2	9.4	9.5	10.4	12.8	13.5	14.0	14.7	15.2	15.8	16.3	16.8	17.2	18.0	18.0	18.1	17.6	17.5	17.5	10.2%
CNG ICE	0.3	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-5.5%
CNG Bi-fuel	4.0	4.5	4.5	4.7	4.7	4.7	4.8	4.9	5.0	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.6	5.6	5.7	5.8	1.8%
LPG ICE	0.5	0.6	0.7	0.9	1.2	1.6	1.9	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.3	8.2%
LPG Bi-fuel	2.2	2.4	2.4	2.6	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.1	3.1	1.8%
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	0.0	0.0	0.1	0.2	0.4	0.8	1.4	2.3	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	11.8	12.7	12.8	23.4	23.7	25.8	29.9	30.6	31.6	32.8	33.6	34.7	35.9	36.9	38.0	39.8	40.1	40.6	39.9	40.8	41.7	6.5%
Percent Alternative Car Sales	2.16	2.47	2.48	4.34	4.48	4.79	5.45	5.49	5.59	5.73	5.81	5.91	6.05	6.15	6.25	6.44	6.42	6.41	6.22	6.27	6.34	5.5%
Total New Car Sales	546.5	514.7	514.4	539.2	529.2	538.0	547.6	557.2	565.3	571.5	578.4	586.4	593.7	600.8	608.6	617.0	625.0	633.4	641.7	650.2	658.4	0.9%
New Light Truck Sales 2/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	402.6	377.3	383.1	401.9	400.6	410.4	420.3	433.8	444.0	451.7	460.4	468.8	475.9	483.3	490.3	497.6	505.0	512.4	520.5	527.1	533.6	1.4%
TDI Diesel ICE	31.2	31.3	26.7	30.5	29.9	32.1	33.2	31.4	31.4	31.7	31.3	31.7	32.5	32.4	33.2	33.4	33.8	34.3	34.6	35.4	35.7	0.7%
Total Conventional	433.8	408.6	409.8	432.4	430.5	442.4	453.5	465.2	475.4	483.4	491.7	500.5	508.4	515.8	523.5	531.0	538.8	546.7	555.1	562.5	569.3	1.4%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	0.7	0.9	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	3.4%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.6%
Ethanol-Flex Fuel ICE	31.2	29.3	29.6	31.2	31.2	32.1	33.1	34.5	35.5	36.2	37.1	37.9	38.6	39.3	40.0	40.7	41.4	42.2	43.0	43.6	44.2	1.8%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-6.6%
Electric Vehicle	0.1	0.1	0.1	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	0.2	0.2	0.2	0.2	0.2	3.0%
Electric-Diesel Hybrid	0.1	0.1	0.1	0.6	0.7	0.8	1.0	1.0	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.8	1.8	1.8	1.7	1.8	1.8	13.5%
Electric-Gasoline Hybrid	1.5	1.4	1.3	6.8	7.2	8.2	10.1	10.8	11.5	12.3	12.9	13.7	14.5	15.2	15.9	17.1	17.4	17.7	17.1	17.4	17.6	13.0%
CNG ICE	0.3	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-4.4%
CNG Bi-fuel	2.9	3.5	3.6	3.8	3.8	3.9	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.4	5.6	5.7	3.4%
LPG ICE	1.3	1.7	1.7	2.3	3.1	4.0	4.7	5.1	5.4	5.6	5.7	6.0	6.1	6.3	6.5	6.7	7.0	7.2	7.5	7.9	8.2	9.7%
LPG Bi-fuel	1.7	2.0	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.9	2.9	3.0	2.9%
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	0.0	0.0	0.0	0.1	0.2	0.5	1.0	1.7	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Total Alternatives	39.9	39.2	39.6	48.2	49.3	52.4	56.5	59.2	61.4	63.4	65.3	67.4	69.3	71.1	73.1	75.5	77.1	78.8	79.7	81.7	83.9	3.8%

Table 43. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
Mountain

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Percent Alternative Light Truck Sales	8.42	8.75	8.81	10.02	10.27	10.59	11.08	11.28	11.44	11.60	11.72	11.86	11.99	12.12	12.25	12.46	12.52	12.59	12.56	12.69	12.85	2.1%
Total New Truck Sales	473.6	447.8	449.3	480.6	479.7	494.8	510.0	524.4	536.8	546.8	557.0	567.9	577.7	586.9	596.6	606.5	615.9	625.5	634.9	644.2	653.2	1.6%
Percent Total Alternative Sales	5.07	5.39	5.43	7.02	7.23	7.57	8.17	8.30	8.44	8.60	8.71	8.84	8.98	9.10	9.22	9.42	9.45	9.48	9.37	9.46	9.58	3.2%
EPACT Legislative Altern Sales	13.39	16.31	16.33	17.28	17.10	17.51	17.94	18.35	18.70	18.98	19.27	19.59	19.88	20.16	20.46	20.77	21.07	21.37	21.67	21.98	22.27	2.6%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Vehicles Sales	1020.1	962.5	963.7	1019.8	1008.9	1032.8	1057.6	1081.6	1102.1	1118.3	1135.4	1154.3	1171.4	1187.7	1205.2	1223.5	1241.0	1258.9	1276.6	1294.5	1311.6	1.3%

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: 2000 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, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 44. Light-Duty Vehicle Sales by Technology Type (1 of 2)
(Thousands)
Pacific

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
New Car Sales 1/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	1390.9	1291.4	1276.5	1297.6	1258.0	1262.1	1222.9	1241.9	1249.1	1244.4	1248.5	1254.2	1250.4	1253.9	1259.6	1246.4	1254.3	1262.1	1277.4	1282.1	1289.4	-0.4%
TDI Diesel ICE	2.8	2.6	2.2	2.5	2.4	2.6	2.6	2.4	2.7	2.7	2.7	2.6	2.6	2.7	2.7	2.7	2.8	2.9	3.0	3.1	3.1	0.6%
Total Conventional	1393.6	1294.0	1278.7	1300.1	1260.4	1264.7	1225.5	1244.3	1251.8	1247.1	1251.1	1256.8	1253.0	1256.6	1262.3	1249.1	1257.2	1265.0	1280.5	1285.3	1292.5	-0.4%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	1.1	1.4	1.4	1.5	1.4	1.4	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	1.5	1.5	1.7%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0%
Ethanol-Flex Fuel ICE	3.4	4.1	4.1	4.2	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	1.3%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.0%
Electric Vehicle	0.4	0.4	0.4	1.5	2.7	3.4	8.0	8.1	7.4	10.4	10.4	10.5	14.1	14.1	13.4	21.4	21.4	21.4	29.8	29.9	29.1	24.1%
Electric-Diesel Hybrid	1.2	1.1	0.9	8.3	8.6	10.1	23.6	19.6	21.0	22.8	22.5	22.9	25.0	26.2	27.1	31.9	31.7	31.2	24.6	25.2	23.7	16.3%
Electric-Gasoline Hybrid	6.6	5.8	5.7	23.8	23.9	26.0	57.1	52.5	51.1	53.3	53.6	53.9	56.8	56.3	56.5	63.4	61.5	60.4	49.5	49.4	48.2	10.4%
CNG ICE	0.9	0.7	0.8	0.8	0.9	1.0	2.0	2.0	2.0	2.0	2.0	1.9	2.0	2.0	1.9	2.1	2.1	2.1	1.7	1.6	1.6	2.7%
CNG Bi-fuel	10.5	11.6	11.6	12.0	11.6	11.7	11.8	11.9	12.0	12.0	12.0	12.1	12.1	12.2	12.2	12.3	12.3	12.4	12.5	12.5	12.6	0.9%
LPG ICE	0.7	0.8	0.6	0.4	0.2	0.1	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	0.0	0.0	-13.5%
LPG Bi-fuel	5.7	6.3	6.2	6.4	6.2	6.3	6.3	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.6	6.6	6.6	6.7	6.7	6.7	6.8	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	0.0	0.1	0.3	0.7	1.4	2.3	4.0	6.4	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	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	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.2	0.2	N/A
Total Alternatives	30.7	32.3	31.8	59.1	59.7	64.3	114.4	106.2	105.6	112.7	112.7	113.7	122.5	123.3	123.7	144.1	142.5	141.6	133.1	135.5	134.6	7.7%
Percent Alternative Car Sales	2.15	2.43	2.42	4.35	4.52	4.84	8.54	7.86	7.78	8.29	8.27	8.29	8.91	8.94	8.93	10.34	10.18	10.07	9.42	9.54	9.43	7.7%
Total New Car Sales	1424.3	1326.2	1310.5	1359.2	1320.2	1329.0	1339.9	1350.5	1357.4	1359.8	1363.8	1370.5	1375.5	1380.0	1386.0	1393.2	1399.6	1406.7	1413.6	1420.8	1427.1	0.0%
New Light Truck Sales 2/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	1047.6	975.9	979.7	1013.0	998.7	1013.0	1009.5	1039.0	1046.3	1051.8	1064.6	1076.0	1081.9	1087.4	1095.1	1094.8	1100.9	1108.3	1125.6	1129.1	1137.2	0.4%
TDI Diesel ICE	83.6	77.8	65.7	79.3	78.8	85.0	85.6	79.2	88.2	90.2	87.1	86.1	85.0	87.4	87.1	86.0	89.1	89.9	92.1	94.3	91.5	0.5%
Total Conventional	1131.3	1053.8	1045.4	1092.4	1077.6	1098.0	1095.1	1118.3	1134.5	1142.0	1151.6	1162.1	1166.9	1174.8	1182.2	1180.8	1190.0	1198.2	1217.7	1223.3	1228.8	0.4%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	1.8	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.4%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3%
Ethanol-Flex Fuel ICE	81.1	75.9	75.8	78.9	77.9	79.6	81.5	84.3	85.0	85.8	87.2	88.6	89.6	90.1	91.1	92.1	92.8	93.6	94.5	95.1	95.9	0.8%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6%
Electric Vehicle	0.3	0.3	0.3	1.0	1.7	2.2	2.0	1.9	1.9	2.0	2.0	1.9	2.3	2.3	2.3	3.2	3.2	3.2	3.9	4.0	3.9	14.0%
Electric-Diesel Hybrid	0.4	0.4	0.3	1.6	1.7	2.1	4.4	3.7	4.2	4.6	4.6	4.8	5.2	5.5	5.8	6.9	7.1	7.1	5.9	6.1	5.8	14.6%
Electric-Gasoline Hybrid	4.1	3.6	3.4	17.4	18.3	20.5	43.2	40.6	40.8	43.7	44.7	46.1	50.1	50.8	52.4	61.0	60.2	60.1	49.2	50.2	49.7	13.3%
CNG ICE	1.1	0.7	0.9	1.1	1.3	1.6	3.1	3.4	3.4	3.7	3.7	3.7	4.0	4.0	4.0	4.5	4.5	4.6	3.9	3.9	3.9	6.6%
CNG Bi-fuel	7.8	9.0	9.2	9.7	9.6	9.9	10.2	10.4	10.6	10.8	10.9	11.1	11.3	11.4	11.5	11.6	11.8	12.0	12.3	12.6	13.0	2.6%
LPG ICE	2.3	2.5	2.0	1.5	1.0	0.6	0.3	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	0.3	-9.3%
LPG Bi-fuel	4.4	5.1	5.1	5.4	5.3	5.4	5.5	5.7	5.7	5.8	5.9	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.3	6.4	6.4	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	0.0	0.0	0.1	0.3	0.8	1.4	2.8	5.0	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	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	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	N/A
Total Alternatives	103.2	99.9	99.4	119.0	119.3	124.4	152.7	152.7	154.5	159.1	161.8	165.0	171.4	173.2	176.3	188.7	189.3	190.9	180.7	184.3	187.0	3.0%

Table 44. Light-Duty Vehicle Sales by Technology Type (2 of 2)
(Thousands)
Pacific

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Percent Alternative Light Truck Sales	8.36	8.66	8.68	9.82	9.97	10.18	12.24	12.01	11.98	12.23	12.32	12.44	12.81	12.85	12.98	13.78	13.72	13.74	12.92	13.09	13.21	2.3%
Total New Truck Sales	1234.5	1153.7	1144.8	1211.3	1196.8	1222.4	1247.8	1271.0	1289.0	1301.1	1313.4	1327.1	1338.3	1348.0	1358.5	1369.5	1379.2	1389.1	1398.4	1407.6	1415.8	0.7%
Percent Total Alternative Sales	5.04	5.33	5.34	6.93	7.11	7.39	10.32	9.87	9.83	10.22	10.25	10.33	10.83	10.87	10.93	12.05	11.94	11.89	11.16	11.31	11.31	4.1%
EPACT Legislative Alternative Sales	34.91	42.02	41.60	43.57	42.67	43.26	43.89	44.47	44.90	45.15	45.43	45.78	46.06	46.30	46.59	46.90	47.17	47.46	47.74	48.02	48.26	1.6%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	174.48	325.68	482.39	654.46	657.32	659.81	683.34	683.74	687.16	715.52	717.48	718.05	773.60	776.30	777.17	828.92	831.87	832.23	N/A
Total Vehicles Sales	2658.8	2479.9	2455.3	2570.5	2517.0	2551.4	2587.7	2621.5	2646.4	2660.9	2677.3	2697.6	2713.8	2728.0	2744.5	2762.7	2778.9	2795.7	2812.0	2828.4	2842.9	0.3%

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: 2000 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, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 45. Light-Duty Vehicle Sales by Technology Type (1 of 2)
United States
(Thousands)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
New Car Sales 1/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	8795.1	8150.1	8042.6	8170.0	7910.6	7911.4	7844.5	7898.1	7915.9	7889.8	7889.9	7903.2	7891.4	7892.6	7903.6	7885.5	7910.0	7936.1	7979.3	7998.9	8016.0	-0.5%
TDI Diesel ICE	16.5	16.0	13.7	14.7	14.0	14.6	14.8	13.9	14.1	14.1	13.8	13.8	14.0	14.1	14.3	14.3	14.6	14.9	15.3	15.7	16.0	-0.2%
Total Conventional	8811.6	8166.1	8056.3	8184.7	7924.6	7926.0	7859.3	7912.0	7930.0	7903.9	7903.7	7917.1	7905.5	7906.7	7917.9	7899.8	7924.6	7951.1	7994.6	8014.7	8032.0	-0.5%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	7.0	9.1	9.0	9.3	9.0	9.0	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.3	9.3	9.3	9.3	9.4	1.5%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.2%
Ethanol-Flex Fuel ICE	21.5	26.1	25.8	26.6	25.8	25.8	25.9	26.1	26.1	26.1	26.1	26.2	26.2	26.2	26.2	26.3	26.4	26.4	26.5	26.6	26.7	1.1%
Ethanol ICE	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-3.1%
Electric Vehicle	2.4	2.7	2.7	4.7	6.5	7.8	15.4	15.7	14.5	19.5	19.5	19.6	25.8	25.8	24.5	38.0	38.1	38.0	52.1	52.3	50.9	16.4%
Electric-Diesel Hybrid	7.0	6.6	5.9	49.8	50.7	62.2	95.4	87.3	90.9	96.9	97.1	100.3	109.2	113.3	118.1	131.5	129.4	127.9	111.0	111.0	107.3	14.6%
Electric-Gasoline Hybrid	41.1	35.9	35.5	147.8	148.0	169.5	242.7	243.5	245.5	254.4	258.7	262.4	269.5	271.5	273.2	287.4	282.5	277.5	254.9	250.3	245.2	9.3%
CNG ICE	4.9	4.3	4.9	4.8	4.7	4.8	6.0	5.9	5.8	5.8	5.8	5.7	5.9	5.8	5.7	6.1	6.0	6.0	5.5	5.4	5.4	0.5%
CNG Bi-fuel	66.3	73.4	72.6	75.1	72.7	73.1	73.5	73.9	74.1	74.1	74.1	74.3	74.4	74.5	74.6	74.8	75.0	75.2	75.4	75.7	75.8	0.7%
LPG ICE	2.5	3.2	3.1	3.1	3.2	3.4	3.6	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	3.9	2.3%
LPG Bi-fuel	36.3	39.6	39.1	40.4	39.2	39.4	39.6	39.8	40.0	39.9	40.0	40.1	40.1	40.2	40.3	40.4	40.5	40.6	40.7	40.9	41.0	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	0.2	0.5	1.3	3.0	6.2	11.3	19.7	31.8	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	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	N/A
Fuel Cell Hydrogen	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	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.3	N/A
Total Alternatives	189.2	201.0	198.8	361.6	359.8	395.2	511.3	505.1	509.9	529.8	534.3	541.8	564.3	570.5	576.4	619.1	614.3	611.4	591.0	595.4	597.9	5.9%
Percent Alternative Car Sales	2.10	2.40	2.41	4.23	4.34	4.75	6.11	6.00	6.04	6.28	6.33	6.40	6.66	6.73	6.79	7.27	7.19	7.14	6.88	6.92	6.93	6.1%
Total New Car Sales	9000.8	8367.1	8255.0	8546.3	8284.4	8321.3	8370.6	8417.1	8439.9	8433.7	8438.0	8458.8	8469.7	8477.2	8494.4	8518.9	8538.9	8562.4	8585.6	8610.1	8629.9	-0.2%
New Light Truck Sales 2/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	6660.9	6168.2	6179.5	6414.7	6319.8	6402.2	6460.2	6595.7	6665.8	6699.5	6751.0	6799.8	6823.5	6853.1	6879.2	6896.9	6927.0	6955.6	7005.3	7023.6	7043.0	0.3%
TDI Diesel ICE	493.2	485.0	408.6	456.8	446.1	471.2	478.2	447.9	451.9	453.3	442.9	441.8	445.9	444.2	448.1	445.3	449.0	453.9	456.4	462.5	459.9	-0.3%
Total Conventional	7154.1	6653.2	6588.2	6871.5	6765.9	6873.4	6938.4	7043.6	7117.7	7152.8	7193.8	7241.5	7269.4	7297.3	7327.3	7342.2	7376.1	7409.6	7461.7	7486.0	7502.8	0.2%
Alternative-Fuel Vehicles																						
Methanol-Flex Fuel ICE	11.2	14.6	14.5	15.3	15.1	15.4	15.7	15.9	16.1	16.2	16.4	16.5	16.6	16.7	16.8	16.9	16.9	17.0	17.1	17.2	17.2	2.2%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5%
Ethanol-Flex Fuel ICE	517.4	479.9	478.6	500.4	494.2	504.7	515.0	530.2	538.5	543.2	549.8	556.3	560.2	563.8	567.5	571.9	576.3	580.2	585.1	587.9	590.0	0.7%
Ethanol ICE	0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	-2.0%
Electric Vehicle	1.8	2.2	2.2	3.4	4.5	5.4	5.0	4.9	5.0	5.1	5.1	5.0	5.7	5.7	5.7	7.1	7.2	7.2	8.4	8.5	8.4	8.0%
Electric-Diesel Hybrid	2.3	2.3	2.1	9.5	10.0	12.3	17.8	16.7	17.8	19.3	19.6	20.5	22.3	23.4	25.0	28.0	28.0	28.2	25.4	25.8	25.2	12.8%
Electric-Gasoline Hybrid	25.2	22.6	21.4	107.9	113.0	132.0	187.6	192.1	199.1	211.1	218.5	226.6	239.9	246.1	254.1	276.1	275.3	274.5	251.8	252.0	250.7	12.2%
CNG ICE	6.3	5.6	6.7	6.8	7.0	7.4	9.3	9.6	9.7	10.1	10.2	10.4	10.9	11.0	11.1	12.0	12.2	12.5	11.7	12.1	12.3	3.4%
CNG Bi-fuel	47.5	55.9	56.7	59.4	58.7	60.1	61.5	62.7	63.7	64.3	65.0	65.7	66.4	66.9	67.5	68.2	69.0	70.1	71.4	72.9	74.4	2.3%
LPG ICE	7.7	9.5	8.6	8.7	8.8	9.5	10.1	10.5	10.9	11.3	11.5	11.9	12.0	12.6	13.0	13.2	13.7	14.1	14.8	15.3	16.0	3.8%
LPG Bi-fuel	27.7	32.2	32.0	33.8	33.3	34.0	34.6	35.2	35.7	36.0	36.2	36.6	36.8	37.1	37.3	37.6	37.8	38.1	38.3	38.6	38.8	1.7%
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	0.0	0.2	0.5	1.5	3.5	7.1	13.8	24.6	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.4	N/A
Total Alternatives	647.2	625.1	622.9	745.4	744.7	780.9	856.9	878.0	896.7	916.8	932.4	949.8	971.1	983.5	998.5	1031.9	1038.3	1045.8	1031.6	1044.5	1058.4	2.5%

Table 45. Light-Duty Vehicle Sales by Technology Type (2 of 2)
United States
(Thousands)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Percent Alternative Light Truck Sales	8.30	8.59	8.64	9.79	9.92	10.20	10.99	11.08	11.19	11.36	11.47	11.60	11.78	11.88	11.99	12.32	12.34	12.37	12.15	12.24	12.36	2.0%
Total New Truck Sales	7801.3	7278.3	7211.1	7616.9	7510.6	7654.3	7795.3	7921.5	8014.4	8069.6	8126.2	8191.3	8240.5	8280.8	8325.8	8374.0	8414.4	8455.3	8493.3	8530.5	8561.2	0.5%
Percent Total Alternative Sales	4.98	5.28	5.31	6.85	6.99	7.36	8.46	8.47	8.55	8.77	8.85	8.96	9.19	9.27	9.36	9.77	9.75	9.74	9.50	9.57	9.63	3.4%
EPACT Legislative Alternative Sales	220.60	265.07	262.05	273.95	267.78	270.90	274.18	277.16	279.16	280.02	281.09	282.57	283.61	284.44	285.51	286.76	287.79	288.90	289.94	291.00	291.86	1.4%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	293.37	547.48	810.78	1099.83	1104.50	1108.57	1147.99	1148.57	1154.25	1201.81	1205.04	1205.95	1299.21	1303.70	1305.12	1392.00	1396.93	1397.52	N/A
Total Vehicles Sales	16802.2	15645.4	15466.1	16163.2	15795.0	15975.6	16165.9	16338.7	16454.3	16503.3	16564.3	16650.2	16710.2	16758.0	16820.2	16892.9	16953.2	17017.7	17078.9	17140.6	17191.1	0.1%

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: 2000 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, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 46. Light-Duty Vehicle Stock by Technology Type (1 of 2)
(Millions)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Light-Duty Car Stock 1/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	123.38	124.48	125.22	125.86	126.08	126.17	126.13	126.08	126.02	125.92	125.82	125.74	125.66	125.58	125.53	125.46	125.44	125.45	125.50	125.58	125.68	0.1%
TDI Diesel ICE	0.58	0.53	0.48	0.43	0.40	0.37	0.34	0.32	0.31	0.29	0.28	0.27	0.27	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25	-4.2%
Total Conventional	123.97	125.00	125.70	126.30	126.47	126.53	126.47	126.40	126.33	126.21	126.10	126.01	125.92	125.84	125.78	125.72	125.69	125.69	125.75	125.83	125.93	0.1%
Alternative-Fuel Vehicles																						
Alcohol Fuel Technology																						
Methanol-Flex Fuel ICE	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.08	0.08	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.12	0.13	0.13	0.13	0.13	9.7%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.9%
Ethanol-Flex Fuel ICE	0.07	0.10	0.12	0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.29	0.31	0.32	0.33	0.34	0.36	0.36	0.37	0.38	0.39	0.39	8.9%
Ethanol 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.6%
Natural Gas Technology																						
CNG ICE	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	3.6%
CNG Bi-fuel	0.18	0.25	0.32	0.39	0.46	0.52	0.58	0.64	0.70	0.75	0.80	0.85	0.89	0.93	0.96	0.99	1.02	1.04	1.06	1.08	1.10	9.4%
LPG ICE	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	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	5.9%
LPG Bi-fuel	0.14	0.17	0.21	0.24	0.28	0.31	0.34	0.37	0.40	0.42	0.45	0.47	0.49	0.51	0.52	0.54	0.55	0.56	0.57	0.58	0.59	7.5%
Electric Technology																						
Electric Vehicle	0.01	0.01	0.01	0.02	0.02	0.03	0.05	0.06	0.07	0.09	0.11	0.13	0.15	0.18	0.20	0.23	0.26	0.30	0.34	0.38	0.42	22.5%
Electric-Diesel Hybrid	0.01	0.01	0.02	0.07	0.12	0.18	0.28	0.36	0.45	0.55	0.64	0.74	0.83	0.93	1.03	1.14	1.24	1.33	1.40	1.46	1.51	30.3%
Electric-Gasoline Hybrid	0.05	0.08	0.12	0.27	0.41	0.58	0.82	1.07	1.31	1.55	1.79	2.03	2.27	2.50	2.71	2.93	3.12	3.30	3.44	3.56	3.66	24.2%
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	0.00	0.00	0.00	0.01	0.01	0.02	0.04	0.07	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Alternatives	0.54	0.73	0.92	1.26	1.60	1.97	2.45	2.92	3.38	3.85	4.30	4.75	5.19	5.62	6.02	6.44	6.83	7.19	7.49	7.78	8.03	14.5%
Total Car Stock	124.50	125.73	126.61	127.56	128.08	128.51	128.93	129.32	129.71	130.06	130.40	130.76	131.11	131.46	131.81	132.16	132.52	132.88	133.24	133.61	133.96	0.4%
Light-Duty Truck Stock 1/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	61.24	64.63	67.88	71.20	74.26	77.26	80.17	83.04	85.81	88.45	90.98	93.38	95.63	97.73	99.70	101.51	103.21	104.78	106.26	107.63	108.89	2.9%
TDI Diesel ICE	1.33	1.74	2.08	2.47	2.84	3.24	3.63	3.99	4.33	4.66	4.97	5.25	5.53	5.78	6.01	6.23	6.43	6.61	6.78	6.93	7.07	8.7%
Total Conventional	62.57	66.37	69.96	73.67	77.10	80.50	83.80	87.03	90.14	93.12	95.94	98.63	101.15	103.51	105.71	107.74	109.63	111.39	113.04	114.56	115.96	3.1%
Alternative-Fuel Vehicles																						
Alcohol Fuel Technology																						
Methanol-Flex Fuel ICE	0.03	0.04	0.06	0.07	0.09	0.10	0.11	0.13	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23	0.24	0.24	0.25	0.26	11.8%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.5%
Ethanol-Flex Fuel ICE	2.27	2.74	3.19	3.66	4.09	4.52	4.94	5.36	5.75	6.13	6.49	6.83	7.15	7.44	7.72	7.97	8.20	8.42	8.62	8.80	8.97	7.1%
Ethanol 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.6%
Natural Gas Technology																						
CNG ICE	0.04	0.05	0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.10	0.11	0.11	0.12	0.13	0.13	0.14	0.15	0.15	0.16	0.16	0.17	7.1%
CNG Bi-fuel	0.15	0.20	0.26	0.31	0.37	0.42	0.48	0.53	0.58	0.63	0.68	0.73	0.77	0.81	0.85	0.89	0.92	0.95	0.98	1.01	1.04	10.1%
LPG ICE	0.05	0.06	0.07	0.07	0.08	0.09	0.10	0.10	0.11	0.12	0.13	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18	0.19	0.20	7.1%
LPG Bi-fuel	0.20	0.22	0.24	0.27	0.29	0.31	0.33	0.36	0.38	0.40	0.42	0.44	0.46	0.48	0.49	0.51	0.52	0.54	0.55	0.56	0.57	5.5%

Table 46. Light-Duty Vehicle Stock by Technology Type (2 of 2)
(Millions)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electric Technology																						
Electric Vehicle	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	15.8%
Electric-Diesel Hybrid	0.00	0.00	0.01	0.02	0.03	0.04	0.06	0.07	0.09	0.11	0.13	0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.29	0.31	0.32	27.8%
Electric-Gasoline Hybrid	0.03	0.05	0.07	0.18	0.29	0.42	0.61	0.80	0.99	1.20	1.40	1.61	1.82	2.03	2.24	2.47	2.68	2.88	3.04	3.20	3.34	27.0%
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	0.00	0.00	0.00	0.00	0.01	0.01	0.03	0.05	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Alternatives	2.78	3.38	3.96	4.65	5.32	6.00	6.74	7.46	8.18	8.88	9.56	10.22	10.87	11.48	12.07	12.65	13.20	13.71	14.17	14.61	15.02	8.8%
Total Truck Stock	65.35	69.75	73.92	78.32	82.42	86.50	90.54	94.49	98.32	102.00	105.51	108.86	112.02	114.99	117.78	120.40	122.83	125.10	127.21	129.17	130.98	3.5%
Total Vehicle Stock	189.85	195.48	200.54	205.88	210.50	215.01	219.46	223.81	228.03	232.05	235.91	239.61	243.13	246.45	249.59	252.56	255.35	257.99	260.46	262.78	264.94	1.7%

1/ Includes personal and fleet vehicles.

ICE = Internal combustion engine.

N/A = Not applicable.

Sources: 2000 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 1998 (Washington, DC, November 1999); Oak Ridge National Laboratory, Transportation Energy Data Book: 19 (Oak Ridge, TN, September 1999); and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 47. Light-Duty Vehicle Miles per Gallon by Technology Type (1 of 2)
(Miles per Gallon Gasoline Equivalent)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Automobiles 1/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	28.52	28.63	28.55	29.40	29.37	29.42	29.48	29.50	29.59	29.71	29.91	30.02	30.14	30.31	30.46	30.63	30.77	30.93	31.09	31.26	31.38	0.5%
TDI Diesel ICE	38.70	38.83	38.55	39.22	38.98	39.10	39.18	39.16	39.23	39.36	39.53	39.65	39.77	39.93	40.07	40.21	40.33	40.48	40.63	40.80	40.92	0.3%
Alternative-Fuel Vehicles																						
Alcohol Fuel Technology																						
Methanol-Flex Fuel ICE	27.42	27.59	27.64	28.41	28.34	28.45	28.54	28.60	28.73	28.89	29.08	29.23	29.37	29.55	29.71	29.89	30.04	30.21	30.37	30.55	30.67	0.6%
Methanol ICE	29.63	29.78	29.77	30.58	30.48	30.60	30.72	30.78	30.91	31.06	31.26	31.40	31.54	31.75	31.90	32.08	32.24	32.40	32.56	32.73	32.84	0.5%
Ethanol-Flex Fuel ICE	27.52	27.59	27.61	28.40	28.33	28.42	28.51	28.56	28.68	28.83	29.01	29.16	29.29	29.48	29.63	29.81	29.96	30.12	30.29	30.47	30.59	0.5%
Ethanol ICE	28.49	28.63	28.62	29.40	29.30	29.41	29.49	29.55	29.68	29.81	30.00	30.14	30.27	30.46	30.62	30.79	30.95	31.11	31.27	31.45	31.56	0.5%
Natural Gas Technology																						
CNG ICE	29.46	29.59	29.55	30.19	30.03	30.14	30.22	30.24	30.31	30.40	30.52	30.59	30.68	30.83	30.93	31.08	31.18	31.30	31.41	31.55	31.65	0.4%
CNG Bi-fuel	27.51	27.58	27.54	28.17	28.05	28.14	28.19	28.20	28.25	28.32	28.43	28.48	28.54	28.66	28.75	28.86	28.95	29.05	29.17	29.29	29.37	0.3%
LPG ICE	29.13	29.29	29.27	30.07	30.00	30.16	30.28	30.32	30.41	30.53	30.71	30.83	30.96	31.14	31.30	31.47	31.62	31.78	31.94	32.11	32.23	0.5%
LPG Bi-fuel	27.43	27.53	27.52	28.25	28.15	28.27	28.33	28.36	28.44	28.55	28.69	28.78	28.88	29.03	29.16	29.31	29.43	29.57	29.72	29.88	29.99	0.4%
Electric Technology																						
Electric Vehicle	28.52	28.50	28.64	29.22	31.97	35.39	39.89	45.54	45.39	45.37	45.25	45.14	45.12	45.04	44.95	44.93	44.81	44.73	44.68	44.61	44.49	2.2%
Electric-Diesel Hybrid	42.58	42.18	41.74	42.13	41.70	41.55	41.45	41.27	41.17	41.13	41.03	40.95	40.90	40.81	40.74	40.71	40.63	40.61	40.57	40.58	40.59	-0.2%
Electric-Gasoline Hybrid	38.64	38.21	37.77	38.80	38.43	38.27	38.24	38.11	38.03	37.99	37.91	37.82	37.78	37.69	37.63	37.62	37.56	37.53	37.49	37.49	37.50	-0.2%
Fuel Cell Technology																						
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	44.02	43.75	43.54	43.38	43.23	43.08	42.96	42.91	42.88	42.90	42.96	43.03	43.15	43.29	43.45	43.58	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	46.96	46.66	46.41	46.21	46.01	45.81	45.62	45.48	45.34	45.20	45.07	44.92	44.80	44.69	44.60	44.47	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	51.31	50.94	50.63	50.33	50.00	49.73	49.53	49.39	49.25	49.12	48.99	48.85	48.74	48.64	48.55	48.43	N/A
Average New Car MPG	28.56	28.66	28.58	29.57	29.54	29.62	29.78	29.79	29.88	30.02	30.21	30.32	30.45	30.63	30.77	30.97	31.11	31.26	31.40	31.57	31.69	0.5%
Light-Duty Trucks 1/																						
Conventional Vehicles																						
Gasoline ICE Vehicles	20.67	20.68	20.69	21.14	21.02	21.08	21.20	21.32	21.47	21.60	21.77	21.97	22.15	22.46	22.59	22.74	22.89	23.02	23.12	23.22	23.30	0.6%
TDI Diesel ICE	28.13	28.08	28.08	28.50	28.26	28.27	28.35	28.47	28.61	28.74	28.90	29.08	29.28	29.57	29.65	29.77	29.88	30.02	30.11	30.15	30.18	0.4%
Alternative-Fuel Vehicles																						
Alcohol Fuel Technology																						
Methanol-Flex Fuel ICE	20.40	20.42	20.47	20.99	20.90	20.96	21.12	21.26	21.44	21.60	21.79	22.01	22.22	22.55	22.68	22.84	22.99	23.11	23.21	23.30	23.39	0.7%
Methanol ICE	23.73	23.69	23.77	24.24	24.11	24.25	24.40	24.50	24.66	24.80	24.97	25.17	25.37	25.67	25.76	25.88	25.99	26.09	26.17	26.21	26.26	0.5%
Ethanol-Flex Fuel ICE	21.12	21.10	21.09	21.61	21.47	21.54	21.66	21.77	21.92	22.08	22.26	22.45	22.64	22.94	23.07	23.22	23.36	23.49	23.58	23.68	23.77	0.6%
Ethanol ICE	23.03	23.00	23.05	23.60	23.48	23.58	23.71	23.80	23.94	24.07	24.23	24.43	24.62	24.90	24.99	25.10	25.20	25.32	25.39	25.43	25.49	0.5%
Natural Gas Technology																						
CNG ICE	22.03	22.04	22.01	22.52	22.39	22.44	22.56	22.67	22.78	22.89	23.01	23.15	23.29	23.51	23.60	23.73	23.84	23.93	23.95	24.01	24.08	0.4%
CNG Bi-fuel	19.92	19.93	19.90	20.30	20.21	20.23	20.35	20.45	20.55	20.65	20.76	20.88	20.99	21.21	21.29	21.40	21.50	21.57	21.62	21.68	21.73	0.4%
LPG ICE	22.68	22.53	22.55	23.06	22.88	22.92	23.00	23.08	23.21	23.33	23.50	23.68	23.86	24.14	24.25	24.38	24.51	24.64	24.72	24.79	24.87	0.5%
LPG Bi-fuel	20.05	20.05	20.06	20.52	20.43	20.47	20.61	20.72	20.86	20.99	21.14	21.30	21.45	21.72	21.83	21.97	22.10	22.21	22.30	22.39	22.48	0.6%
Electric Technology																						
Electric Vehicle	21.58	21.61	21.66	22.87	25.28	28.07	31.29	35.49	35.12	35.01	34.67	34.38	34.61	34.42	34.23	34.75	34.63	34.49	34.73	34.62	34.49	2.4%
Electric-Diesel Hybrid	32.97	32.65	32.41	31.90	31.58	31.52	31.79	31.60	31.53	31.52	31.42	31.38	31.38	31.35	31.28	31.27	31.25	31.28	31.23	31.18	31.12	-0.3%
Electric-Gasoline Hybrid	30.63	30.22	29.88	30.48	30.09	29.91	29.79	29.68	29.60	29.55	29.46	29.40	29.35	29.28	29.23	29.20	29.19	29.21	29.19	29.14	29.11	-0.3%

Table 47. Light-Duty Vehicle Miles per Gallon by Technology Type (2 of 2)
(Miles per Gallon Gasoline Equivalent)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Fuel Cell Technology																						
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	37.65	37.28	36.89	36.47	36.04	35.62	35.19	34.83	34.48	34.15	33.84	33.52	33.21	32.92	32.65	32.40	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	40.17	39.78	39.36	38.89	38.42	37.93	37.39	36.98	36.58	36.23	35.91	35.58	35.24	34.94	34.65	34.39	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	43.94	43.44	42.90	42.29	41.61	40.81	40.02	39.52	39.13	38.82	38.53	38.33	38.14	37.95	37.78	37.62	N/A
Average New Truck MPG	21.08	21.10	21.05	21.60	21.48	21.56	21.73	21.82	21.97	22.11	22.28	22.47	22.66	22.96	23.09	23.25	23.40	23.52	23.61	23.71	23.80	0.6%
Fleet Average Stock Car MPG 2/	21.60	21.76	21.89	21.88	22.04	22.21	22.37	22.53	22.68	22.84	23.00	23.16	23.32	23.48	23.64	23.81	23.98	24.15	24.31	24.48	24.65	0.7%
Fleet Average Stock Truck MPG 2/	17.11	17.11	17.09	16.98	17.01	17.04	17.08	17.13	17.19	17.25	17.32	17.40	17.48	17.57	17.66	17.76	17.86	17.95	18.05	18.14	18.23	0.3%
Fleet Average Stock Vehicle MPG 2/	19.81	19.83	19.84	19.71	19.75	19.79	19.84	19.88	19.94	19.99	20.06	20.13	20.20	20.29	20.39	20.48	20.58	20.69	20.79	20.89	20.99	0.3%

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.

MPG = Miles per Gallon.

ICE = Internal combustion engine.

Sources: 2000 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 1998 (Washington, DC, November 1999); United States Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 48. Light-Duty Vehicle Miles Traveled by Technology Type (1 of 1)
(Billion Miles, Unless Otherwise Noted)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Conventional Vehicles 1/																						
Gasoline ICE Vehicles	2274.9	2323.6	2373.9	2421.1	2464.8	2508.6	2546.1	2588.0	2637.4	2689.0	2739.3	2791.7	2844.0	2895.4	2941.6	2987.1	3035.5	3082.8	3129.5	3178.8	3222.7	1.8%
TDI Diesel ICE	20.9	24.8	28.0	31.9	35.8	40.1	44.3	48.1	52.2	56.3	60.2	64.1	67.9	71.6	75.0	78.2	81.5	84.6	87.5	90.5	93.1	7.8%
Alternative-Fuel Vehicles																						
Alcohol Fuel Technology																						
Methanol-Flex Fuel ICE	1.1	1.7	2.3	2.8	3.3	3.7	4.0	4.3	4.5	4.8	5.0	5.2	5.5	5.7	5.9	6.1	6.3	6.4	6.6	6.7	6.9	9.5%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3%
Ethanol-Flex Fuel ICE	27.0	33.1	39.2	45.3	51.2	56.8	62.0	67.1	72.3	77.5	82.4	87.4	92.2	96.8	101.0	105.1	109.1	112.9	116.6	120.2	123.5	7.9%
Ethanol ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	4.5%
Natural Gas Technology																						
CNG ICE	1.0	1.0	1.1	1.2	1.3	1.4	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.5	2.6	2.7	2.8	3.0	3.1	3.2	3.3	6.4%
CNG Bi-fuel	7.3	10.4	13.3	16.1	18.4	20.4	21.9	23.2	24.6	25.8	27.1	28.3	29.5	30.6	31.6	32.6	33.5	34.4	35.2	36.0	36.8	8.4%
LPG ICE	0.8	0.9	1.0	1.1	1.2	1.3	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.5	2.6	2.7	2.9	3.0	3.1	3.3	7.6%
LPG Bi-fuel	6.1	7.6	9.0	10.3	11.4	12.3	13.1	13.7	14.3	14.9	15.5	16.1	16.6	17.2	17.6	18.1	18.5	19.0	19.4	19.7	20.1	6.2%
Electric Technology																						
Electric Vehicle	0.3	0.4	0.5	0.7	0.8	1.0	1.2	1.4	1.6	1.9	2.2	2.5	2.8	3.2	3.5	4.0	4.5	5.0	5.6	6.3	7.0	17.4%
Electric-Diesel Hybrid	0.1	0.2	0.3	0.9	1.6	2.5	3.7	4.9	6.1	7.5	8.8	10.2	11.7	13.2	14.8	16.5	18.2	19.8	21.1	22.3	23.4	30.8%
Electric-Gasoline Hybrid	0.8	1.5	2.1	4.9	7.8	11.2	16.0	20.8	25.9	31.2	36.7	42.2	48.0	53.7	59.3	65.1	70.8	76.2	80.8	85.2	89.0	26.3%
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	0.0	0.0	0.0	0.1	0.2	0.4	0.9	1.6	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	N/A
VMT Equation Components																						
Total VMT (billion miles)	2340.3	2405.2	2470.7	2536.4	2597.8	2659.4	2715.2	2774.9	2842.5	2912.7	2981.3	3052.0	3122.8	3192.2	3255.4	3318.2	3383.5	3447.1	3508.8	3573.0	3630.6	2.2%
VMT/Driving Population (thousand miles)	11.3	11.4	11.6	11.8	11.9	12.0	12.1	12.2	12.4	12.5	12.7	12.8	13.0	13.2	13.3	13.4	13.6	13.8	13.9	14.0	14.2	1.1%
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	242.7	244.7	246.7	248.7	250.6	252.6	254.6	256.5	0.9%
Price Effects																						
Motor Gasoline Price (1987 dollars / million Btu)	8.84	8.81	7.96	7.93	7.91	8.01	8.15	8.13	8.15	8.18	8.17	8.19	8.19	8.19	8.18	8.17	8.17	8.16	8.17	8.17	8.17	-0.4%
Fleet Miles per Gallon	20.04	20.05	20.03	19.88	19.91	19.94	19.98	20.02	20.08	20.14	20.21	20.28	20.36	20.45	20.55	20.65	20.76	20.87	20.98	21.09	21.20	0.3%
Real Cost of Driving per Mile (1987 cents)	7.110	7.082	6.402	6.434	6.407	6.478	6.575	6.546	6.546	6.547	6.518	6.508	6.489	6.454	6.416	6.381	6.341	6.308	6.276	6.249	6.216	-0.7%
Point Price Elasticity	-0.057	-0.056	-0.050	-0.049	-0.048	-0.048	-0.049	-0.048	-0.048	-0.047	-0.046	-0.046	-0.045	-0.044	-0.043	-0.043	-0.042	-0.041	-0.041	-0.040	-0.040	-1.8%
Income Effects																						
Disposable Income (billion 1987 dollars)	5658.1	5859.4	5991.0	6202.9	6382.0	6569.7	6720.3	6880.4	7095.5	7332.4	7563.9	7815.6	8071.8	8320.5	8572.7	8827.6	9098.3	9361.8	9616.7	9887.1	10121.6	3.0%
Point Income Elasticity	0.413	0.417	0.417	0.422	0.426	0.430	0.432	0.435	0.440	0.445	0.450	0.456	0.461	0.466	0.471	0.476	0.481	0.485	0.490	0.494	0.498	0.9%
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	0.666	0.668	0.670	0.672	0.674	0.675	0.676	0.677	0.6%
Point Demographic Elasticity	0.299	0.299	0.298	0.298	0.297	0.297	0.297	0.296	0.295	0.293	0.291	0.289	0.286	0.284	0.282	0.280	0.277	0.275	0.273	0.270	0.268	-0.5%

1/ Includes personal and fleet vehicles. Includes both cars and light trucks.

VMT = Vehicle miles traveled.

ICE = Internal combustion engine.

MmBtu = Million British thermal units.

N/A = Not applicable.

Sources: 2000 derived using: Federal Highway Administration, Highway Statistics 1998 (Washington, DC, November 1999); Oak Ridge National Laboratory, Transportation Energy Data Book: 19 (Oak Ridge, TN, September 1999); United States Department of Commerce, Bureau of the Census, "Vehicle Inventory and Use Survey," EC97TV (Washington, DC, October 1999); and Energy Information Administration (EIA), AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 49. Summary of New Light-Duty Vehicle Size Class Attributes (1 of 2)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Personal Vehicles																						
EPA Rated New Vehicle Fuel Efficiency																						
Conventional Cars (MPG)																						
Minicompact	24.444	24.391	24.285	25.226	25.109	25.032	25.001	25.042	25.136	25.243	25.336	25.407	25.509	25.696	25.868	26.083	26.202	26.349	26.464	26.556	26.657	0.4%
Subcompact	32.419	32.416	32.294	33.202	33.221	33.237	33.295	33.298	33.394	33.493	33.619	33.701	33.801	33.980	34.106	34.263	34.393	34.539	34.672	34.804	34.904	0.4%
Compact	30.423	30.447	30.372	31.384	31.561	31.540	31.557	31.556	31.606	31.707	32.060	32.174	32.312	32.512	32.663	32.844	32.999	33.169	33.337	33.513	33.641	0.5%
Midsize	27.585	27.725	27.718	28.535	28.427	28.476	28.528	28.562	28.654	28.763	28.900	29.000	29.111	29.289	29.446	29.624	29.763	29.914	30.070	30.225	30.338	0.5%
Large	25.431	25.642	25.741	26.436	26.389	26.513	26.620	26.677	26.812	27.014	27.233	27.397	27.539	27.695	27.844	27.999	28.163	28.342	28.528	28.731	28.866	0.6%
Two Seater	26.971	26.982	26.940	27.859	27.755	27.725	27.734	27.779	27.906	28.056	28.189	28.291	28.418	28.615	28.791	29.005	29.154	29.328	29.477	29.624	29.745	0.5%
Average New Car	28.946	29.026	28.923	29.798	29.787	29.827	29.894	29.910	29.993	30.112	30.320	30.428	30.549	30.725	30.870	31.043	31.185	31.343	31.505	31.669	31.787	0.5%
Average New Car On-Road MPG	22.521	22.630	22.596	23.113	23.152	23.229	23.327	23.387	23.499	23.639	23.851	23.984	24.127	24.315	24.478	24.664	24.826	25.002	25.180	25.361	25.505	0.6%
Conventional Light Trucks																						
Small Pickup	25.379	25.410	25.309	25.601	25.428	25.455	25.486	25.506	25.586	25.687	25.807	25.955	26.120	26.415	26.537	26.704	26.875	27.070	27.155	27.235	27.296	0.4%
Large Pickup	18.715	18.718	18.676	18.926	18.807	18.847	18.971	19.106	19.244	19.363	19.534	19.738	19.951	20.269	20.400	20.551	20.687	20.784	20.876	20.961	21.006	0.6%
Small Van	25.296	25.290	25.325	25.665	25.507	25.649	25.773	25.877	26.033	26.158	26.321	26.548	26.805	27.171	27.258	27.389	27.549	27.758	27.891	27.996	28.144	0.5%
Large Van	18.282	18.298	18.356	18.804	18.768	18.816	19.023	19.193	19.383	19.550	19.728	19.897	20.072	20.385	20.521	20.682	20.822	20.923	21.018	21.107	21.180	0.7%
Small Utility	21.608	21.658	21.691	22.425	22.292	22.335	22.396	22.453	22.554	22.676	22.857	23.050	23.207	23.490	23.627	23.785	23.946	24.078	24.177	24.289	24.403	0.6%
Large Utility	16.919	16.892	16.945	17.445	17.404	17.463	17.645	17.801	17.973	18.137	18.288	18.446	18.604	18.840	18.975	19.129	19.246	19.338	19.421	19.502	19.575	0.7%
Average New Light Truck	20.923	20.925	20.920	21.361	21.231	21.290	21.399	21.511	21.653	21.788	21.957	22.148	22.336	22.635	22.764	22.916	23.064	23.195	23.300	23.395	23.483	0.6%
Average New Light Truck On-Road MPG	17.001	16.989	16.972	17.158	17.041	17.074	17.147	17.223	17.323	17.417	17.538	17.678	17.814	18.037	18.126	18.233	18.336	18.426	18.494	18.555	18.609	0.5%
Degradation Factors 1/																						
Cars	0.778	0.780	0.781	0.776	0.777	0.779	0.780	0.782	0.783	0.785	0.787	0.788	0.790	0.791	0.793	0.795	0.796	0.798	0.799	0.801	0.802	0.2%
Light Trucks	0.813	0.812	0.811	0.803	0.803	0.802	0.801	0.801	0.800	0.799	0.799	0.798	0.798	0.797	0.796	0.796	0.795	0.794	0.794	0.793	0.792	-0.1%
New Fuel Eff. by Size Class 2/																						
Alternative-Fuel Cars																						
Minicompact	31.79	31.34	30.93	33.12	32.84	32.70	32.69	32.55	32.50	32.49	32.42	32.34	32.28	32.21	32.15	32.16	32.19	32.33	32.67	33.26	34.08	0.3%
Subcompact	40.949	40.424	39.913	43.036	42.648	42.420	42.287	42.056	41.902	41.792	41.667	41.530	41.474	41.390	41.324	41.308	41.278	41.362	41.547	41.992	42.687	0.2%
Compact	39.616	39.079	38.560	41.688	41.369	41.295	41.373	41.132	41.036	41.004	40.913	40.825	40.814	40.745	40.706	40.720	40.676	40.693	40.680	40.766	40.867	0.2%
Midsize	35.516	35.129	34.769	37.674	37.341	37.418	37.733	37.836	37.749	37.890	37.823	37.759	37.905	37.850	37.785	38.103	38.070	38.085	38.427	38.513	38.581	0.4%
Large	32.028	31.822	31.568	33.976	33.707	33.705	33.966	33.866	33.833	33.862	33.864	33.874	33.911	33.949	33.986	34.044	34.070	34.137	34.161	34.281	34.408	0.4%
Two Seater	34.691	34.278	33.905	36.426	36.131	36.013	36.027	35.886	35.843	35.861	35.821	35.767	35.753	35.723	35.692	35.710	35.729	35.824	36.024	36.428	37.024	0.3%
Average New Alternative Cars	36.088	35.685	35.211	38.556	38.213	38.283	38.579	38.563	38.488	38.565	38.496	38.437	38.523	38.476	38.431	38.624	38.583	38.596	38.772	38.872	38.983	0.4%
Alternative-Fuel Light Trucks																						
Small Pickup	25.774	25.816	25.713	26.579	26.457	26.562	26.769	26.806	26.953	27.171	27.364	27.582	27.897	28.278	28.482	28.798	28.983	29.213	29.273	29.440	29.631	0.7%
Large Pickup	18.949	18.956	18.917	19.402	19.306	19.383	19.580	19.720	19.881	20.042	20.280	20.525	20.785	21.121	21.294	21.530	21.678	21.798	21.848	21.965	22.063	0.8%
Small Van	26.340	26.317	26.321	28.257	28.129	28.401	29.022	29.008	29.112	29.252	29.352	29.508	29.740	29.979	30.061	30.230	30.300	30.438	30.408	30.457	30.523	0.7%
Large Van	19.133	19.130	19.157	20.925	20.938	21.091	21.487	21.619	21.814	22.007	22.151	22.313	22.509	22.741	22.857	23.018	23.124	23.225	23.280	23.405	23.582	1.1%
Small Utility	22.193	22.221	22.244	23.865	23.795	23.983	24.407	24.430	24.539	24.694	24.833	24.988	25.164	25.379	25.490	25.694	25.804	25.915	25.946	26.060	26.204	0.8%
Large Utility	17.226	17.199	17.247	18.160	18.142	18.265	18.623	18.753	18.924	19.104	19.246	19.400	19.572	19.825	19.949	20.126	20.215	20.282	20.295	20.375	20.468	0.9%
Average New Alternative Light Trucks	21.529	21.515	21.465	22.989	22.887	23.098	23.624	23.676	23.819	24.002	24.153	24.324	24.534	24.785	24.903	25.120	25.214	25.311	25.293	25.383	25.487	0.8%
Fleet Vehicles																						
EPA Rated New Vehicle Fuel Efficiency																						
Cars	27.194	27.349	27.366	28.149	28.067	28.140	28.209	28.251	28.352	28.483	28.645	28.759	28.877	29.047	29.199	29.367	29.511	29.667	29.829	29.995	30.113	0.5%
Light Trucks	20.158	20.178	20.207	20.670	20.582	20.639	20.790	20.923	21.079	21.221	21.397	21.586	21.774	22.088	22.218	22.372	22.519	22.638	22.738	22.833	22.919	0.6%

Table 49. Summary of New Light-Duty Vehicle Size Class Attributes (2 of 2)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Average On-Road MPG																						
Cars	20.745	20.987	21.170	21.318	21.543	21.745	21.941	22.022	22.126	22.237	22.368	22.511	22.658	22.813	22.969	23.134	23.304	23.473	23.644	23.816	23.982	0.7%
Light Trucks	16.045	16.186	16.265	16.229	16.328	16.401	16.484	16.579	16.644	16.729	16.834	16.948	17.069	17.215	17.359	17.500	17.634	17.757	17.849	17.932	18.004	0.6%
New Vehicle Sales Shares (%)																						
Conventional Cars																						
Minicompact	0.586	0.588	0.584	0.584	0.592	0.592	0.592	0.591	0.591	0.591	0.591	0.591	0.591	0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.592	0.1%
Subcompact	16.084	15.920	15.574	15.419	15.265	15.195	15.166	15.088	14.986	14.882	14.787	14.690	14.598	14.509	14.427	14.348	14.269	14.201	14.143	14.088	14.043	-0.7%
Compact	36.005	36.046	34.261	34.200	34.065	34.351	34.690	34.671	34.751	34.822	34.757	34.809	34.836	34.824	34.807	34.797	34.778	34.777	34.780	34.800	34.807	-0.2%
Midsize	34.324	34.275	35.941	36.005	36.023	35.769	35.466	35.493	35.439	35.387	35.429	35.385	35.362	35.368	35.384	35.397	35.416	35.418	35.411	35.388	35.380	0.2%
Large	11.489	11.645	12.178	12.329	12.556	12.583	12.562	12.633	12.705	12.787	12.903	12.989	13.074	13.166	13.249	13.323	13.400	13.467	13.527	13.582	13.627	0.9%
Two Seater	1.512	1.527	1.461	1.463	1.498	1.510	1.524	1.523	1.526	1.530	1.533	1.536	1.539	1.541	1.542	1.543	1.544	1.546	1.547	1.549	1.550	0.1%
Conventional Light Trucks																						
Small Pickup	12.426	12.221	12.878	12.853	12.536	12.376	12.213	12.193	12.120	12.046	12.003	11.930	11.864	11.808	11.785	11.752	11.720	11.679	11.651	11.617	11.597	-0.3%
Large Pickup	20.397	20.027	19.927	19.696	19.278	19.060	18.887	18.715	18.495	18.277	18.067	17.885	17.722	17.569	17.414	17.265	17.120	16.997	16.885	16.770	16.685	-1.0%
Small Van	20.200	20.125	18.998	19.058	18.794	19.017	19.273	19.306	19.407	19.502	19.544	19.614	19.660	19.674	19.683	19.695	19.697	19.697	19.706	19.729	19.727	-0.1%
Large Van	3.107	3.010	2.973	2.914	2.783	2.742	2.704	2.668	2.624	2.583	2.543	2.505	2.470	2.440	2.415	2.389	2.365	2.344	2.326	2.307	2.291	-1.5%
Small Utility	28.395	28.835	29.386	29.519	30.238	30.315	30.350	30.469	30.594	30.719	30.860	30.977	31.091	31.219	31.320	31.422	31.524	31.616	31.689	31.755	31.813	0.6%
Large Utility	15.475	15.782	15.838	15.959	16.371	16.490	16.572	16.649	16.759	16.874	16.982	17.090	17.193	17.290	17.383	17.477	17.574	17.666	17.744	17.823	17.886	0.7%
New Vehicle Average Horsepower																						
Conventional Cars																						
Minicompact	249.667	259.065	269.174	270.819	274.298	279.322	282.469	286.718	291.648	296.711	301.418	305.993	310.121	313.861	317.008	320.023	322.984	325.469	327.038	329.278	331.568	1.4%
Subcompact	140.694	147.775	154.886	159.568	162.604	167.383	170.703	174.043	178.351	182.485	186.410	190.180	193.722	197.276	200.209	202.886	205.460	207.779	209.847	211.825	213.185	2.1%
Compact	142.408	148.126	153.675	158.212	160.548	164.026	166.455	168.974	171.925	174.991	178.608	181.411	183.927	186.518	188.509	190.314	192.045	193.554	194.932	196.256	197.168	1.6%
Midsize	175.229	184.073	190.526	194.462	196.509	201.577	204.747	207.487	210.415	213.051	215.698	218.094	220.028	222.249	223.788	225.006	226.216	227.188	227.867	228.545	229.324	1.4%
Large	225.735	236.461	242.328	245.352	248.285	253.252	256.400	258.801	261.563	263.785	265.095	266.117	266.665	267.239	267.710	268.177	268.691	269.064	269.574	269.892	270.232	0.9%
Two Seater	230.283	237.463	244.100	244.510	247.565	250.828	253.088	255.687	258.942	261.970	264.145	266.152	267.854	269.421	270.586	271.719	272.893	273.814	274.502	275.434	276.401	0.9%
Average New Car	164.928	172.693	179.901	184.137	186.810	191.188	193.985	196.773	199.953	202.979	206.099	208.720	210.977	213.375	215.199	216.795	218.356	219.677	220.814	221.891	222.775	1.5%
Conventional Light Trucks																						
Small Pickup	152.385	160.316	167.090	170.767	173.172	178.342	182.140	185.898	190.414	194.328	198.072	201.403	204.523	207.645	208.496	209.162	209.841	210.535	211.215	211.912	212.547	1.7%
Large Pickup	218.093	227.744	235.585	238.944	242.400	248.813	255.186	261.555	268.383	273.671	279.383	282.032	283.141	284.380	285.379	286.452	287.477	288.502	289.427	290.260	291.106	1.5%
Small Van	176.093	181.841	184.171	186.109	188.340	190.082	191.716	193.571	195.805	197.823	199.544	201.181	202.797	204.391	205.461	206.223	206.985	207.730	208.457	209.181	209.820	0.9%
Large Van	216.807	226.249	234.027	237.604	240.473	247.109	252.921	259.258	266.015	271.341	277.744	282.730	286.713	289.011	289.918	291.055	292.138	293.213	294.181	294.985	295.626	1.6%
Small Utility	182.144	192.605	200.338	199.847	203.538	208.696	212.808	216.778	221.208	224.892	227.531	229.472	230.725	232.047	233.030	233.902	234.774	235.687	236.533	237.337	238.095	1.3%
Large Utility	230.221	238.989	247.014	246.851	250.699	257.466	263.520	270.545	277.938	284.054	290.648	295.364	299.515	304.893	306.341	307.701	308.971	310.280	311.452	312.479	313.335	1.6%
Average New Light Truck	193.073	201.863	208.403	209.794	213.115	218.141	222.490	226.998	231.954	236.029	239.889	242.570	244.625	246.904	247.946	248.879	249.797	250.746	251.616	252.425	253.174	1.4%
New Vehicle Average Weight																						
Conventional Cars																						
Minicompact	3547.711	3578.883	3596.977	3535.872	3562.405	3580.494	3595.158	3603.179	3604.512	3608.566	3613.769	3619.113	3622.320	3626.700	3633.082	3639.467	3649.597	3657.012	3660.531	3671.139	3685.434	0.2%
Subcompact	2751.216	2776.809	2793.487	2796.401	2825.428	2842.976	2859.043	2874.533	2890.074	2902.218	2915.475	2927.563	2938.903	2950.377	2958.505	2965.346	2972.588	2979.383	2986.486	2992.981	2999.394	0.4%
Compact	2867.560	2895.775	2915.040	2929.552	2959.691	2978.068	2995.552	3011.119	3024.914	3039.586	3055.261	3067.835	3079.252	3090.946	3098.542	3105.253	3112.166	3118.463	3125.106	3131.171	3137.596	0.5%
Midsize	3317.543	3349.164	3370.061	3380.882	3405.524	3426.710	3446.448	3461.440	3470.717	3477.450	3485.476	3494.068	3499.274	3505.337	3511.637	3517.850	3526.792	3533.569	3539.411	3545.424	3554.281	0.3%
Large	3725.177	3756.051	3781.642	3797.757	3833.960	3855.199	3875.217	3895.374	3919.753	3950.511	3969.311	3983.836	3991.215	3998.872	4005.278	4011.669	4018.920	4024.121	4031.565	4036.134	4041.052	0.4%
Two Seater	2843.292	2867.314	2882.544	2842.970	2867.315	2881.495	2893.482	2903.306	2911.139	2920.975	2926.892	2932.516	2936.126	2940.374	2945.368	2950.460	2957.413	2962.462	2966.092	2972.739	2980.914	0.2%
Average New Car	3105.451	3135.991	3168.692	3180.838	3211.757	3230.494	3247.262	3263.911	3278.077	3292.116	3306.289	3318.207	3327.532	3337.495	3345.442	3352.758	3361.396	3368.477	3375.535	3381.956	3389.542	0.4%
Conventional Light Trucks																						
Small Pickup	3514.327	3554.851	3594.433	3614.502	3663.520	3696.427	3727.476	3761.810	3802.676	3840.274	3871.272	3900.065	3928.206	3955.144	3971.348	3984.043	3996.963	4010.190	4023.134	4036.421	4048.508	0.7%
Large Pickup	4651.586	4697.420	4749.141	4755.950	4813.430	4852.502	4904.170	4954.140	5007.994	5053.917	5095.706	5127.855	5148.024	5170.542	5188.717	5208.217	5226.862	5245.484	5262.312	5277.452	5292.842	0.6%
Small Van	4009.369	4054.921	4099.256	4141.409	4190.687	4228.376	4264.103	4304.578	4353.144	4396.965	4434.312	4470.684	4506.600	4542.021	4565.795	4582.734	4599.656	4616.223	4632.371	4648.469	4662.666	0.8%
Large Van	4829.840	4872.088	4904.435	4893.901	4937.162	4974.877	5010.714	5054.755	5098.837	5135.135	5177.462	5211.330	5231.801	5254.746	5271.238	5291.905	5311.595	5331.140	5348.750	5363.360	5375.018	0.5%
Small Utility	3903.608	3947.028	3987.388	3924.079	3978.638	4014.936	4054.231	4095.500	4140.152	4180.304	4213.135	4243.713	4263.168	4282.150	4296.258	4309.022	4322.485	4337.154	4351.695	4365.553	4378.856	0.6%
Large Utility	5188.301	5235.741	5273.084	5182.210	5235.153	5277.175	5317.211	5365.556	5414.918	5456.710	5502.687	5529.059	5550.112	5577.909	5601.291	5623.608	5644.809	5667.067	5687.655	5705.679	5720.801	0.5%
Average New Light Truck	4256.750	4302.333	4340.729	4318.606	4372.297	4410.211	4450.467	4492.923	4539.891	4581.305	4618.293	4649.268	4673.284	4698.516	4716.833	4733.207	4749.536	4766.570	4782.713	4797.920	4811.876	0.6%

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: 2000 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 1998 (Washington, DC, November 1999); 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, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO99 National Energy Modeling System run aeo2002.d102001b.

Table 50. Transportation Fleet Car and Truck Fuel Consumption by Type and Technology (1 of 1)
(Trillion Btu)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Cars 1/																						
Conventional Gasoline	1222.89	1176.87	1146.35	1116.65	1071.79	1053.23	1045.61	1038.80	1038.31	1036.38	1032.08	1026.49	1020.49	1014.58	1009.16	1003.50	998.01	993.10	988.39	983.74	979.36	-1.1%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																						
Flex	2.37	3.58	4.62	5.60	6.24	6.48	6.43	6.40	6.35	6.34	6.31	6.28	6.24	6.20	6.16	6.13	6.09	6.06	6.03	6.00	5.97	4.7%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol																						
Flex	5.49	8.38	10.85	13.19	14.72	15.30	15.17	15.09	14.99	14.96	14.90	14.83	14.74	14.64	14.55	14.47	14.39	14.31	14.24	14.17	14.10	4.8%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	23.37	33.11	42.33	50.84	56.04	58.39	58.38	58.12	57.92	57.70	57.62	57.52	57.37	57.16	56.94	56.74	56.56	56.38	56.19	56.03	55.86	4.5%
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LPG Bi-fuel	13.86	18.31	22.50	26.35	28.65	29.67	29.61	29.43	29.31	29.19	29.12	29.03	28.92	28.77	28.63	28.50	28.37	28.24	28.12	28.00	27.89	3.6%
Electric	0.86	1.22	1.55	1.86	2.01	2.02	1.92	1.78	1.64	1.52	1.44	1.39	1.37	1.37	1.37	1.38	1.38	1.38	1.39	1.39	1.39	2.5%
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	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Cars	1268.83	1241.48	1228.20	1214.50	1179.45	1165.09	1157.13	1149.62	1148.53	1146.09	1141.47	1135.55	1129.13	1122.72	1116.81	1110.71	1104.80	1099.47	1094.36	1089.33	1084.58	-0.8%
Light Trucks 1/																						
Conventional Gasoline	1929.83	1928.49	1932.23	1951.23	1922.96	1898.73	1907.30	1929.41	1944.04	1960.51	1970.91	1976.64	1977.73	1973.46	1968.92	1964.41	1959.77	1956.11	1955.75	1955.97	1956.59	0.1%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																						
Flex	4.91	7.50	10.05	12.53	14.59	16.20	16.98	17.11	17.29	17.39	17.50	17.56	17.58	17.55	17.51	17.47	17.42	17.39	17.37	17.37	17.37	6.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol																						
Flex	11.56	17.76	23.88	29.82	34.78	38.65	40.50	40.82	41.25	41.48	41.76	41.92	41.98	41.91	41.81	41.72	41.62	41.53	41.47	41.48	41.49	6.6%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	19.24	28.41	37.20	45.22	51.27	55.53	57.66	58.30	58.96	59.46	59.96	60.32	60.56	60.65	60.71	60.75	60.77	60.80	60.87	60.98	61.08	5.9%
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LPG Bi-fuel	14.60	19.38	23.99	28.27	31.45	33.73	34.92	35.27	35.63	35.91	36.16	36.33	36.42	36.42	36.39	36.35	36.32	36.28	36.27	36.29	36.31	4.7%
Electric	0.78	1.15	1.51	1.83	2.03	2.13	2.11	1.99	1.87	1.77	1.70	1.67	1.67	1.69	1.71	1.73	1.75	1.77	1.79	1.80	1.82	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	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Light Trucks	3249.75	3244.17	3257.04	3283.39	3236.54	3210.07	3216.60	3232.52	3247.58	3262.60	3269.46	3269.98	3265.06	3254.40	3243.87	3233.14	3222.46	3213.35	3207.86	3203.22	3199.24	-0.1%
Total Fleet Vehicles	4518.58	4485.64	4485.24	4497.88	4415.99	4375.16	4373.73	4382.13	4396.11	4408.69	4410.93	4405.53	4394.19	4377.13	4360.68	4343.85	4327.26	4312.82	4302.22	4292.55	4283.82	-0.3%
Commercial Light Trucks 2/	637.59	624.13	635.47	653.34	669.13	686.30	701.04	717.58	734.20	751.86	771.79	790.58	806.34	821.76	835.48	848.85	861.31	874.64	888.91	902.55	913.62	1.8%

1/ Includes all fleets of 10 or more.

2/ Commercial trucks from 8,500 to 10,000 pounds.

ICE = Internal combustion engine.

CNG = Compressed natural gas.

LNG = Liquefied natural gas.

N/A = Not Applicable.

Sources: 2000 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 1998 (Washington, DC, November 1999); 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, AEO2002 National Energy Modelling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 51. Transportation Fleet Car and Truck Sales by Type and Technology (1 of 1)
(Thousands)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Cars 1/																						
Conventional Gasoline	2007.06	1839.02	1814.40	1878.42	1820.85	1828.95	1839.78	1850.02	1855.04	1853.66	1854.61	1859.19	1861.58	1863.23	1867.00	1872.39	1876.78	1881.96	1887.04	1892.43	1896.79	-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																						
Flex	7.01	9.08	8.96	9.27	8.99	9.03	9.08	9.13	9.16	9.15	9.16	9.18	9.19	9.20	9.22	9.25	9.27	9.29	9.32	9.34	9.37	1.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol																						
Flex	16.25	21.20	20.92	21.65	20.99	21.08	21.21	21.33	21.39	21.37	21.38	21.43	21.46	21.48	21.52	21.59	21.64	21.70	21.75	21.82	21.87	1.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	64.91	72.10	71.14	73.65	71.39	71.71	72.13	72.54	72.73	72.68	72.71	72.89	72.99	73.05	73.20	73.41	73.58	73.79	73.99	74.20	74.37	0.7%
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LPG Bi-fuel	35.37	38.70	38.18	39.53	38.32	38.49	38.72	38.93	39.04	39.01	39.03	39.13	39.18	39.21	39.29	39.41	39.50	39.61	39.71	39.83	39.92	0.6%
Electric	2.43	2.74	2.70	2.80	2.71	2.72	2.74	2.75	2.76	2.76	2.76	2.77	2.77	2.77	2.78	2.79	2.79	2.80	2.81	2.82	2.82	0.7%
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	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Cars	2133.03	1982.84	1956.30	2025.33	1963.26	1971.99	1983.67	1994.71	2000.11	1998.63	1999.66	2004.59	2007.17	2008.95	2013.01	2018.82	2023.56	2029.14	2034.62	2040.43	2045.13	-0.2%
Light Trucks 1/																						
Conventional Gasoline	2120.81	1945.69	1927.71	2036.20	2007.78	2046.21	2083.91	2117.65	2142.46	2157.23	2172.37	2189.77	2202.91	2213.68	2225.71	2238.61	2249.40	2260.34	2270.50	2280.45	2288.65	0.4%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																						
Flex	11.18	14.65	14.51	15.33	15.12	15.41	15.69	15.94	16.13	16.24	16.36	16.49	16.59	16.67	16.76	16.85	16.94	17.02	17.09	17.17	17.23	2.2%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol																						
Flex	26.30	34.58	34.26	36.19	35.68	36.37	37.04	37.64	38.08	38.34	38.61	38.92	39.15	39.34	39.56	39.79	39.98	40.17	40.35	40.53	40.68	2.2%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	41.82	50.79	50.32	53.15	52.41	53.41	54.40	55.28	55.93	56.31	56.71	57.16	57.50	57.78	58.10	58.43	58.72	59.00	59.27	59.53	59.74	1.8%
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LPG Bi-fuel	26.95	31.50	31.21	32.97	32.51	33.13	33.74	34.29	34.69	34.93	35.17	35.45	35.67	35.84	36.04	36.24	36.42	36.60	36.76	36.92	37.06	1.6%
Electric	1.79	2.20	2.18	2.30	2.27	2.31	2.35	2.39	2.42	2.43	2.45	2.47	2.49	2.50	2.51	2.53	2.54	2.55	2.56	2.57	2.58	1.9%
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	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Light Trucks	4361.87	4062.25	4016.49	4201.47	4109.02	4158.82	4210.79	4257.89	4289.82	4304.12	4321.32	4344.85	4361.47	4374.77	4391.68	4411.29	4427.54	4444.82	4461.16	4477.60	4491.07	0.1%
Total Fleet Vehicles	6494.90	6045.09	5972.79	6226.79	6072.28	6130.81	6194.46	6252.60	6289.93	6302.75	6320.98	6349.44	6368.65	6383.72	6404.69	6430.11	6451.10	6473.96	6495.79	6518.04	6536.20	0.0%
Commercial Light Trucks 2/	449.64	431.07	438.40	471.02	472.89	491.07	509.88	528.47	545.47	560.44	575.93	592.44	608.19	623.62	639.71	656.35	672.66	689.27	705.88	722.66	739.10	2.5%

1/ Includes all fleets of 10 or more.

2/ Commercial trucks from 8,500 to 10,000 pounds.

ICE = Internal combustion engine.

CNG = Compressed natural gas.

LNG = Liquefied natural gas.

N/A = Not Applicable.

Sources: 2000 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 1998 (Washington, DC, November 1999); 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, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 52. Transportation Fleet Car and Truck Stock by Type and Technology (1 of 1)
(Thousands)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Cars 1/																						
Conventional Gasoline	7888.82	7769.36	7658.58	7523.52	7307.74	7247.08	7256.83	7236.41	7266.93	7289.96	7304.50	7314.03	7321.05	7330.34	7342.27	7355.45	7370.52	7388.82	7408.44	7428.24	7447.91	-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																						
Flex	15.49	23.92	31.18	37.96	42.78	44.81	44.83	44.99	44.89	45.04	45.17	45.26	45.32	45.36	45.43	45.51	45.60	45.70	45.81	45.94	46.06	5.6%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol																						
Flex	35.53	55.41	72.53	88.54	99.95	104.72	104.75	105.14	104.91	105.26	105.55	105.77	105.91	106.00	106.16	106.36	106.56	106.79	107.06	107.35	107.63	5.7%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	153.56	221.16	284.79	342.48	380.72	399.84	402.09	402.78	403.62	403.37	404.56	405.58	406.29	406.74	407.22	407.93	408.74	409.59	410.55	411.63	412.71	5.1%
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LPG Bi-fuel	90.62	122.04	151.39	177.93	195.28	204.01	205.03	205.31	205.73	205.74	206.32	206.81	207.15	207.38	207.64	208.00	208.41	208.86	209.36	209.91	210.46	4.3%
Electric	5.77	8.30	10.67	12.82	14.25	14.95	15.03	15.06	15.08	15.08	15.12	15.16	15.19	15.20	15.22	15.25	15.28	15.31	15.35	15.39	15.43	5.0%
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	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Cars	8189.80	8200.19	8209.14	8183.25	8040.73	8015.41	8028.56	8009.68	8041.16	8064.46	8081.23	8092.62	8100.91	8111.04	8123.94	8138.51	8155.11	8175.07	8196.58	8218.46	8240.20	0.0%
Light Trucks 1/																						
Conventional Gasoline	9632.79	9823.99	9924.28	10011.83	9940.94	9857.60	9948.29	10126.21	10242.75	10383.17	10507.08	10611.62	10696.52	10767.49	10834.73	10899.79	10958.94	11015.67	11071.44	11125.25	11174.67	0.7%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																						
Flex	25.03	38.80	52.29	65.12	76.27	85.01	89.40	90.69	92.26	93.17	94.39	95.45	96.32	97.03	97.65	98.25	98.82	99.35	99.85	100.34	100.81	7.2%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol																						
Flex	58.35	91.04	123.11	153.59	180.10	200.91	211.36	214.38	218.12	220.27	223.14	225.65	227.73	229.40	230.86	232.29	233.64	234.87	236.06	237.23	238.33	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	96.27	143.80	188.96	229.03	260.73	282.98	294.51	299.10	303.72	307.09	311.00	314.38	317.15	319.42	321.44	323.41	325.24	326.95	328.61	330.23	331.74	6.4%
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LPG Bi-fuel	73.07	98.42	122.47	144.05	161.09	173.30	179.97	182.82	185.57	187.68	190.05	192.09	193.77	195.15	196.38	197.58	198.70	199.74	200.75	201.74	202.66	5.2%
Electric	4.17	6.20	8.14	9.89	11.30	12.32	12.85	13.04	13.25	13.39	13.57	13.71	13.84	13.93	14.02	14.11	14.19	14.26	14.34	14.41	14.47	6.4%
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	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Light Trucks	18079.48	18402.43	18628.38	18796.76	18671.17	18627.53	18764.94	18935.93	19096.83	19269.23	19420.45	19545.51	19646.24	19733.46	19819.02	19903.94	19984.65	20065.92	20147.61	20227.66	20302.88	0.6%
Total Fleet Vehicles	26269.28	26602.63	26837.53	26980.01	26711.90	26642.94	26793.50	26945.61	27137.99	27333.69	27501.68	27638.13	27747.15	27844.50	27942.96	28042.45	28139.75	28240.98	28344.18	28446.12	28543.08	0.4%
Commercial Light Trucks 2/	5828.92	5585.26	5497.35	5537.95	5637.04	5783.45	5958.17	6147.82	6342.41	6535.09	6722.77	6905.05	7081.55	7254.90	7429.89	7610.72	7799.20	7996.93	8203.36	8417.42	8636.36	2.0%

1/ Includes all fleets of 10 or more.

2/ Commercial trucks from 8,500 to 10,000 pounds.

ICE = Internal combustion engine.

CNG = Compressed natural gas.

LNG = Liquefied natural gas.

N/A = Not applicable.

Sources: 2000 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 1998 (Washington, DC, November 1999); 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, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 53. Transportation Fleet Car and Truck Vehicle Miles Traveled by Type and Technology (1 of 1)
(Billion Miles)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Cars 1/																						
Conventional Gasoline	202.43	199.28	196.38	192.69	186.94	185.42	185.76	185.15	185.90	186.49	186.82	187.02	187.16	187.38	187.67	187.99	188.36	188.82	189.32	189.82	190.31	-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																						
Flex	0.40	0.61	0.80	0.97	1.09	1.15	1.15	1.15	1.15	1.15	1.16	1.16	1.16	1.16	1.16	1.16	1.17	1.17	1.17	1.17	1.18	5.6%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol																						
Flex	0.91	1.42	1.86	2.27	2.56	2.68	2.68	2.69	2.68	2.69	2.70	2.70	2.71	2.71	2.71	2.72	2.72	2.73	2.74	2.74	2.75	5.7%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	3.94	5.67	7.30	8.77	9.74	10.23	10.29	10.31	10.33	10.32	10.35	10.37	10.39	10.40	10.41	10.43	10.45	10.47	10.49	10.52	10.55	5.0%
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LPG Bi-fuel	2.33	3.13	3.88	4.56	5.00	5.22	5.25	5.25	5.26	5.26	5.28	5.29	5.30	5.30	5.31	5.32	5.33	5.34	5.35	5.36	5.38	4.3%
Electric	0.15	0.21	0.27	0.33	0.36	0.38	0.38	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	0.39	5.0%
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	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Cars	210.15	210.33	210.49	209.59	205.69	205.08	205.52	204.94	205.71	206.31	206.68	206.93	207.10	207.34	207.65	208.00	208.41	208.92	209.46	210.01	210.56	0.0%
Light Trucks 1/																						
Conventional Gasoline	247.18	251.98	254.47	256.42	254.29	252.22	254.66	259.09	262.03	265.62	268.73	271.34	273.46	275.24	276.94	278.58	280.07	281.51	282.92	284.29	285.54	0.7%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																						
Flex	0.64	1.00	1.34	1.67	1.95	2.17	2.29	2.32	2.36	2.38	2.41	2.44	2.46	2.48	2.50	2.51	2.53	2.54	2.55	2.56	2.58	7.2%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol																						
Flex	1.50	2.34	3.16	3.93	4.61	5.14	5.41	5.49	5.58	5.63	5.71	5.77	5.82	5.86	5.90	5.94	5.97	6.00	6.03	6.06	6.09	7.3%
Neat	1.50	2.34	3.16	3.93	4.61	5.14	5.41	5.49	5.58	5.63	5.71	5.77	5.82	5.86	5.90	5.94	5.97	6.00	6.03	6.06	6.09	7.3%
CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	2.47	3.69	4.85	5.87	6.67	7.24	7.54	7.65	7.77	7.86	7.95	8.04	8.11	8.16	8.22	8.27	8.31	8.36	8.40	8.44	8.48	6.4%
LPG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LPG Bi-fuel	1.88	2.52	3.14	3.69	4.12	4.43	4.61	4.68	4.75	4.80	4.86	4.91	4.95	4.99	5.02	5.05	5.08	5.10	5.13	5.16	5.18	5.2%
Electric	0.11	0.16	0.21	0.25	0.29	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.37	6.4%
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	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Fleet Light Truck	465.43	474.34	480.81	485.36	482.22	481.74	485.76	489.99	494.12	498.58	502.40	505.55	508.08	510.29	512.48	514.64	516.70	518.79	520.89	522.95	524.88	0.6%
Total Fleet Vehicles	675.58	684.67	691.31	694.95	687.91	686.83	691.28	694.93	699.83	704.89	709.09	712.47	715.18	717.63	720.13	722.65	725.12	727.71	730.35	732.95	735.43	0.4%
Commercial Light Trucks 2/	69.50	68.67	70.44	72.98	75.18	77.48	79.49	81.70	83.95	86.35	89.06	91.69	94.04	96.47	98.75	101.02	103.22	105.54	107.98	110.35	112.39	2.4%

1/ Includes all fleets of 10 or more.

2/ Commercial trucks from 8,500 to 10,000 pounds.

ICE = Internal combustion engine.

CNG = Compressed natural gas.

LNG = Liquefied natural gas.

N/A = Not applicable.

Sources: 2000 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 1998 (Washington, DC, November 1999); 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), AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 54. Air Travel Energy Use (1 of 2)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Fuel Cost (1987 dollars / million Btu)	5.3	4.3	4.1	3.9	4.0	4.0	4.0	4.1	4.1	4.2	4.3	4.3	4.4	4.4	4.5	4.6	4.6	4.6	4.6	4.6	4.6	-0.7%
Macro Variables (1996 dollars)																						
GDP	9224.0	9319.0	9523.3	9826.2	10103.3	10418.5	10718.9	11046.4	11441.6	11866.9	12311.8	12777.0	13166.4	13559.9	13972.7	14399.2	14835.3	15287.3	15717.2	16138.0	16525.5	3.0%
Disposable Income	6539.2	6771.8	6923.9	7168.7	7375.8	7592.7	7766.7	7951.8	8200.3	8474.2	8741.7	9032.6	9328.7	9616.1	9907.6	10202.2	10515.0	10819.6	11114.2	11426.7	11697.7	3.0%
Real Merchandise Exports	836.1	804.1	803.1	862.2	924.9	996.1	1078.2	1167.7	1265.4	1378.2	1501.1	1634.6	1759.6	1894.2	2039.8	2196.7	2366.0	2547.7	2742.5	2947.4	3164.1	6.9%
Yield (ticket price, 1992 dollars) 1/	15.8	14.8	14.6	14.4	14.5	14.5	14.5	14.6	14.6	14.7	14.7	14.8	14.9	14.9	15.0	15.1	15.1	15.1	15.1	15.1	15.1	-0.2%
Travel Demand (billion miles)																						
Revenue Passenger Miles, Domestic	512.2	502.2	519.7	541.5	559.1	578.7	595.7	612.9	636.5	661.8	687.6	714.7	740.2	764.8	790.2	815.9	844.5	873.3	900.9	929.1	954.1	3.2%
Personal	264.0	262.0	273.1	285.7	295.0	305.2	313.2	320.6	332.2	344.6	356.9	369.8	383.5	396.3	409.1	422.0	437.4	452.4	466.9	482.3	495.6	3.2%
Business	248.3	240.3	246.6	255.8	264.0	273.5	282.6	292.3	304.3	317.2	330.7	344.9	356.6	368.5	381.0	393.9	407.2	420.9	434.0	446.8	458.5	3.1%
Load Factor, Domestic 2/	0.70	0.70	0.70	0.71	0.71	0.71	0.72	0.72	0.72	0.73	0.73	0.73	0.73	0.74	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.4%
Revenue Passenger Miles, International	201.2	199.4	206.7	215.7	223.0	231.0	238.1	245.4	255.0	265.4	276.1	287.4	298.0	308.4	319.1	329.9	341.5	353.1	364.3	375.7	385.8	3.3%
Load Factor, International 2/	0.74	0.74	0.75	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.3%
Revenue Ton Miles, Freight (billion)	17.9	16.5	16.0	17.2	18.5	19.9	21.5	23.3	25.3	27.5	30.0	32.6	34.9	37.4	40.1	43.0	46.0	49.3	52.7	56.3	60.0	6.2%
Seat Miles Demanded (billion)	1184.3	1150.4	1175.4	1226.3	1269.1	1317.4	1362.2	1408.9	1469.1	1534.9	1603.3	1675.9	1742.2	1808.4	1877.7	1949.1	2026.8	2106.5	2185.3	2266.2	2342.3	3.5%
Narrow Body Aircraft	594.5	571.7	578.3	597.3	612.0	628.9	643.8	659.2	680.5	703.9	727.9	753.2	775.2	796.6	818.8	841.5	866.3	891.3	915.4	939.8	961.7	2.4%
Wide Body Aircraft	589.8	578.7	597.1	629.0	657.1	688.5	718.4	749.7	788.6	831.1	875.5	922.7	967.0	1011.8	1058.8	1107.6	1160.5	1215.2	1269.9	1326.4	1380.6	4.3%
Aircraft Sales																						
Narrow Body Aircraft	132.3	14.1	24.2	265.7	233.7	251.8	237.8	244.1	292.2	311.8	320.9	335.6	315.1	316.2	327.8	336.4	358.2	365.6	362.8	369.3	354.0	5.0%
Wide Body Aircraft	51.1	23.3	26.5	90.3	84.4	91.4	89.4	92.8	108.0	115.5	120.1	126.3	121.8	123.8	129.1	133.7	142.8	147.6	149.2	154.1	151.6	5.6%
Aircraft Stock																						
Narrow Body Aircraft	4627.5	4520.1	4423.1	4567.8	4680.2	4809.8	4923.6	5041.4	5204.3	5383.1	5566.7	5760.4	5928.5	6092.4	6262.4	6435.6	6625.1	6817.0	7001.3	7187.7	7355.0	2.3%
Wide Body Aircraft	1144.9	1141.0	1139.0	1199.6	1253.3	1313.2	1370.2	1429.9	1504.1	1585.0	1669.7	1759.8	1844.3	1929.8	2019.5	2112.5	2213.4	2317.7	2422.0	2529.7	2633.3	4.3%
Advanced Technology Penetration																						
Ultra-high Bypass	0.08	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.09	0.20	0.35	0.55	0.73	0.88	0.94	0.97	0.98	0.99	1.00	13.1%
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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
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	0.98	0.99	0.99	1.00	1.00	1.00	1.00	1.00	30.4%
New Aircraft Efficiency 3/																						
Narrow Body Aircraft	51.2	51.5	51.7	52.0	52.4	52.8	53.2	53.6	54.0	54.4	54.8	55.3	55.7	56.1	56.6	57.0	57.4	57.9	58.3	58.8	59.2	0.7%
Wide Body Aircraft	60.9	61.2	61.4	61.6	62.0	62.3	62.7	63.1	63.4	63.8	64.2	64.6	65.0	65.6	66.7	67.5	67.8	68.0	68.1	68.1	68.4	0.6%
Average Aircraft	53.5	57.1	56.3	54.1	54.6	55.0	55.5	55.9	56.2	56.7	57.1	57.6	58.0	58.5	59.1	59.6	60.1	60.5	60.9	61.3	61.7	0.7%

Table 54. Air Travel Energy Use (2 of 2)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Aircraft Stock Efficiency 3/																						
Narrow Body Aircraft	47.9	48.1	48.3	48.7	49.1	49.5	49.8	50.2	50.6	51.0	51.4	51.8	52.2	52.6	53.0	53.5	53.9	54.3	54.7	55.1	55.5	0.7%
Wide Body Aircraft	57.1	57.3	57.4	57.8	58.2	58.5	58.8	59.2	59.6	59.9	60.3	60.7	61.0	61.4	61.8	62.2	62.6	63.0	63.4	63.8	64.1	0.6%
Average Aircraft	52.1	52.3	52.6	53.0	53.4	53.8	54.2	54.6	55.1	55.5	55.9	56.4	56.8	57.2	57.6	58.1	58.6	59.0	59.4	59.9	60.3	0.7%
Fuel Consumption (trillion Btu)																						
Commercial																						
Jet Fuel	3070.6	2968.5	3018.0	3123.2	3207.9	3304.4	3391.5	3481.8	3602.4	3734.3	3870.4	4014.1	4141.9	4267.6	4397.1	4528.7	4672.3	4819.0	4962.5	5109.3	5244.7	2.7%
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	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	-0.1%
Military																						
Jet Fuel	509.4	525.5	564.0	570.4	572.9	575.7	579.3	583.8	589.0	595.3	601.3	606.4	609.4	611.1	613.5	615.5	617.4	619.0	620.4	621.7	622.8	1.0%

1/ Fraction of seats filled.

2/ 1992 cents per passenger mile.

3/ Seat miles per gallon.

RPM = Revenue passenger miles.

GDP = Gross domestic product.

Btu = British thermal unit.

N/A = Not applicable.

Sources: 2000 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 1999/1998 (Washington, DC, 1999); 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, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 55. Freight Transportation Energy Use (1 of 3)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Existing Trucks by Size Class																						
VMT (billion miles)																						
Medium																						
Diesel	33.08	34.23	35.21	36.77	38.11	39.48	40.44	41.62	42.87	44.30	45.79	47.41	48.78	50.19	51.57	53.00	54.48	56.07	57.71	59.31	60.75	3.1%
Gasoline	16.13	15.18	14.90	14.66	14.27	13.88	13.32	12.84	12.38	12.01	11.69	11.45	11.22	11.04	10.90	10.80	10.73	10.70	10.69	10.67	10.63	-2.1%
Liquefied Petroleum Gas	0.46	0.42	0.40	0.39	0.38	0.36	0.36	0.36	0.37	0.38	0.40	0.42	0.44	0.46	0.47	0.49	0.50	0.51	0.52	0.53	0.53	0.8%
Compressed Natural Gas	0.04	0.05	0.06	0.09	0.14	0.20	0.28	0.38	0.50	0.63	0.77	0.92	1.07	1.21	1.33	1.45	1.57	1.67	1.76	1.85	1.92	21.9%
Medium Subtotal	49.71	49.88	50.58	51.92	52.90	53.92	54.40	55.20	56.11	57.32	58.65	60.21	61.51	62.90	64.29	65.75	67.27	68.95	70.68	72.35	73.84	2.0%
Heavy																						
Diesel	162.70	168.25	172.82	180.76	187.82	194.92	199.81	205.45	211.16	217.66	224.27	231.50	237.43	243.36	249.00	254.68	260.38	266.46	272.63	278.47	283.61	2.8%
Gasoline	1.90	1.71	1.62	1.55	1.47	1.40	1.32	1.26	1.21	1.18	1.15	1.14	1.14	1.14	1.14	1.15	1.16	1.18	1.20	1.21	1.23	-2.1%
Liquefied Petroleum Gas	0.02	0.03	0.04	0.06	0.08	0.10	0.12	0.14	0.17	0.19	0.20	0.22	0.23	0.24	0.24	0.25	0.25	0.25	0.24	0.24	0.24	13.5%
Compressed Natural Gas	0.02	0.04	0.06	0.09	0.14	0.21	0.29	0.38	0.48	0.60	0.71	0.82	0.92	1.00	1.06	1.12	1.16	1.19	1.22	1.24	1.27	22.0%
Heavy Subtotal	164.64	170.03	174.54	182.46	189.51	196.63	201.54	207.23	213.02	219.62	226.34	233.69	239.71	245.74	251.45	257.19	262.94	269.07	275.29	281.18	286.35	2.8%
Total Vehicle Miles Traveled	214.35	219.90	225.11	234.38	242.41	250.55	255.94	262.43	269.13	276.94	284.99	293.89	301.22	308.64	315.74	322.94	330.22	338.02	345.97	353.53	360.18	2.6%
Consumption (trillion Btu)																						
Medium																						
Diesel	507.71	521.58	533.52	554.24	572.15	590.95	604.15	621.00	639.23	660.61	682.81	706.99	727.56	748.59	769.26	790.57	812.49	836.15	860.53	884.18	905.61	2.9%
Gasoline	240.30	225.15	220.31	216.15	209.79	203.49	194.93	187.58	180.53	174.61	169.56	165.70	161.90	158.96	156.54	154.67	153.23	152.41	151.83	151.20	150.23	-2.3%
Liquefied Petroleum Gas	9.34	8.54	8.09	7.68	7.25	6.90	6.61	6.52	6.58	6.76	7.00	7.28	7.51	7.73	7.91	8.08	8.22	8.36	8.48	8.58	8.65	-0.4%
Compressed Natural Gas	0.63	0.77	1.02	1.51	2.26	3.25	4.48	6.01	7.83	9.93	12.18	14.55	16.82	18.99	21.00	22.88	24.61	26.23	27.73	29.08	30.24	21.4%
Medium Subtotal	757.97	756.05	762.96	779.59	791.45	804.59	810.17	821.11	834.18	851.91	871.56	894.52	913.79	934.26	954.71	976.19	998.55	1023.15	1048.58	1073.03	1094.73	1.9%
Heavy																						
Diesel	3730.33	3832.70	3916.27	4078.36	4224.99	4376.91	4482.98	4608.19	4736.42	4882.23	5028.09	5181.72	5298.72	5406.87	5497.14	5578.25	5655.21	5737.79	5818.39	5893.67	5957.53	2.4%
Gasoline	34.35	30.68	28.94	27.55	26.08	24.78	23.36	22.22	21.28	20.61	20.15	19.92	19.73	19.66	19.66	19.74	19.88	20.10	20.36	20.62	20.85	-2.5%
Liquefied Petroleum Gas	0.37	0.53	0.74	1.07	1.43	1.80	2.15	2.51	2.86	3.21	3.52	3.80	3.99	4.13	4.20	4.22	4.23	4.22	4.21	4.21	4.21	13.0%
Compressed Natural Gas	0.43	0.65	0.97	1.58	2.47	3.60	4.95	6.53	8.31	10.26	12.21	14.14	15.78	17.18	18.30	19.19	19.90	20.48	20.98	21.41	21.78	21.7%
Heavy Subtotal	3765.47	3864.56	3946.92	4108.55	4254.97	4407.09	4513.44	4639.45	4768.87	4916.31	5063.98	5219.58	5338.22	5447.84	5539.30	5621.40	5699.22	5782.59	5863.94	5939.90	6004.37	2.4%
Medium and Heavy Total																						
Diesel	4238.04	4354.28	4449.79	4632.60	4797.15	4967.86	5087.13	5229.20	5375.66	5542.84	5710.91	5888.72	6026.28	6155.46	6266.40	6368.81	6467.70	6573.93	6678.92	6777.84	6863.14	2.4%
Gasoline	274.64	255.83	249.25	243.70	235.87	228.28	218.29	209.80	201.81	195.22	189.71	185.62	181.63	178.61	176.20	174.41	173.11	172.51	172.19	171.82	171.09	-2.3%
Liquefied Petroleum Gas	9.70	9.07	8.83	8.75	8.68	8.69	8.76	9.03	9.44	9.97	10.52	11.08	11.51	11.86	12.11	12.30	12.45	12.58	12.70	12.79	12.86	1.4%
Compressed Natural Gas	1.05	1.42	2.00	3.08	4.73	6.85	9.44	12.54	16.15	20.19	24.39	28.69	32.60	36.17	39.30	42.07	44.51	46.72	48.71	50.49	52.02	21.5%
Total	4523.44	4620.60	4709.87	4888.13	5046.42	5211.69	5323.62	5460.57	5603.05	5768.22	5935.54	6114.10	6252.01	6382.10	6494.00	6597.59	6697.77	6805.74	6912.52	7012.94	7099.10	2.3%
Fuel Efficiency (gasoline equivalent)																						
Medium																						
Diesel	8.19	8.26	8.30	8.33	8.36	8.38	8.39	8.40	8.41	8.42	8.43	8.43	8.43	8.44	8.44	8.44	8.44	8.45	8.45	8.45	8.45	0.2%
Gasoline	8.40	8.42	8.44	8.46	8.49	8.51	8.53	8.55	8.57	8.59	8.62	8.64	8.67	8.69	8.72	8.75	8.77	8.80	8.83	8.86	8.88	0.3%
Liquefied Petroleum Gas	6.16	6.22	6.29	6.40	6.51	6.61	6.71	6.81	6.92	7.02	7.12	7.21	7.29	7.36	7.42	7.48	7.53	7.57	7.61	7.64	7.67	1.1%
Compressed Natural Gas	7.39	7.56	7.69	7.79	7.85	7.88	7.89	7.89	7.90	7.90	7.91	7.92	7.93	7.93	7.94	7.94	7.94	7.95	7.95	7.95	7.95	0.4%
Medium Average	8.24	8.29	8.32	8.35	8.37	8.39	8.41	8.42	8.43	8.44	8.45	8.46	8.46	8.47	8.47	8.48	8.48	8.48	8.49	8.49	8.50	0.2%
Heavy																						
Diesel	5.46	5.49	5.52	5.54	5.56	5.57	5.57	5.58	5.58	5.58	5.58	5.59	5.60	5.63	5.67	5.71	5.76	5.81	5.86	5.91	5.95	0.4%
Gasoline	6.91	6.95	6.99	7.02	7.05	7.07	7.09	7.10	7.11	7.13	7.16	7.19	7.21	7.24	7.27	7.29	7.31	7.33	7.35	7.36	7.38	0.3%
Liquefied Petroleum Gas	6.60	6.86	6.99	7.09	7.15	7.18	7.21	7.22	7.23	7.24	7.25	7.25	7.26	7.26	7.26	7.26	7.26	7.27	7.27	7.27	7.27	0.5%
Compressed Natural Gas	6.99	7.07	7.13	7.18	7.22	7.23	7.25	7.25	7.26	7.26	7.26	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	0.2%
Heavy Average	5.47	5.50	5.53	5.55	5.57	5.58	5.58	5.59	5.59	5.59	5.59	5.60	5.62	5.64	5.68	5.72	5.77	5.82	5.87	5.92	5.96	0.4%
Average	5.93	5.95	5.98	6.00	6.01	6.01	6.01	6.01	6.01	6.00	6.01	6.01	6.03	6.05	6.08	6.12	6.17	6.21	6.26	6.30	6.35	0.3%

Table 55. Freight Transportation Energy Use (2 of 3)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Stock (millions)																						
Medium																						
Diesel	1.94	2.01	2.07	2.15	2.24	2.34	2.43	2.53	2.63	2.74	2.85	2.97	3.09	3.20	3.32	3.43	3.54	3.65	3.76	3.88	3.99	3.7%
Gasoline	2.08	2.02	1.96	1.90	1.85	1.80	1.76	1.71	1.67	1.63	1.59	1.55	1.52	1.49	1.46	1.44	1.41	1.39	1.36	1.35	1.33	-2.2%
Liquefied Petroleum Gas	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1%
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	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.14	17.9%
Medium Subtotal	4.08	4.09	4.08	4.11	4.15	4.20	4.25	4.31	4.37	4.45	4.53	4.62	4.72	4.82	4.91	5.01	5.11	5.20	5.30	5.41	5.52	1.5%
Heavy																						
Diesel	4.06	4.16	4.22	4.34	4.49	4.63	4.77	4.92	5.08	5.25	5.43	5.63	5.82	6.00	6.19	6.37	6.55	6.72	6.88	7.06	7.23	2.9%
Gasoline	0.39	0.37	0.34	0.32	0.30	0.28	0.27	0.25	0.24	0.22	0.21	0.20	0.20	0.19	0.18	0.18	0.17	0.17	0.16	0.16	0.16	-4.4%
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	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	8.8%
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	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	18.9%
Heavy Subtotal	4.45	4.53	4.57	4.67	4.80	4.92	5.06	5.19	5.34	5.51	5.68	5.87	6.06	6.25	6.43	6.61	6.79	6.96	7.13	7.31	7.49	2.6%
Total Stock	8.53	8.61	8.65	8.78	8.95	9.12	9.31	9.50	9.71	9.96	10.22	10.50	10.78	11.06	11.34	11.62	11.90	12.17	12.44	12.72	13.01	2.1%
New Trucks by Size Class																						
Fuel Efficiency (gasoline equivalent)																						
Medium																						
Diesel	8.79	8.79	8.68	8.59	8.52	8.50	8.48	8.49	8.48	8.47	8.47	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	-0.2%
Gasoline	9.02	9.02	8.99	8.97	8.95	8.93	8.92	8.92	8.94	8.96	8.99	9.01	9.03	9.05	9.08	9.12	9.15	9.19	9.22	9.24	9.25	0.1%
Liquefied Petroleum Gas	8.03	8.03	8.01	7.99	7.98	7.96	7.95	7.94	7.95	7.97	7.98	7.99	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	0.0%
Compressed Natural Gas	8.02	8.01	7.99	7.97	7.95	7.92	7.91	7.90	7.91	7.93	7.94	7.95	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96	7.96	0.0%
Medium Average	8.83	8.82	8.72	8.64	8.58	8.55	8.53	8.53	8.52	8.51	8.51	8.51	8.51	8.51	8.51	8.51	8.52	8.52	8.52	8.52	8.52	-0.2%
Heavy																						
Diesel	5.77	5.77	5.76	5.69	5.64	5.61	5.59	5.59	5.58	5.59	5.61	5.66	5.73	5.81	5.92	6.03	6.09	6.15	6.21	6.23	6.23	0.4%
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	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0.0%
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	7.28	7.28	7.28	7.28	7.28	7.28	7.28	7.28	0.0%
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	7.27	7.27	7.27	7.27	7.27	7.27	7.27	7.27	0.0%
Heavy Average	5.77	5.78	5.77	5.70	5.65	5.63	5.60	5.60	5.60	5.60	5.63	5.68	5.74	5.83	5.94	6.04	6.11	6.16	6.22	6.24	6.24	0.4%
Average	6.14	6.15	6.13	6.06	6.01	5.99	5.96	5.96	5.96	5.96	5.99	6.03	6.09	6.17	6.27	6.37	6.43	6.48	6.53	6.55	6.55	0.3%
Sales (millions)																						
Medium																						
Diesel	0.17	0.13	0.11	0.15	0.16	0.17	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.26	2.2%
Gasoline	0.05	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	-0.2%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.9%
Compressed Natural Gas	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	16.0%
Medium Subtotal	0.22	0.17	0.15	0.19	0.21	0.21	0.22	0.23	0.24	0.26	0.27	0.28	0.29	0.29	0.30	0.30	0.30	0.30	0.31	0.32	0.33	1.9%
Heavy																						
Diesel	0.34	0.25	0.23	0.29	0.31	0.32	0.33	0.34	0.36	0.38	0.40	0.42	0.42	0.43	0.43	0.44	0.44	0.44	0.45	0.46	0.48	1.7%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	2.6%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.8%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	14.9%
Heavy Subtotal	0.35	0.26	0.23	0.29	0.32	0.33	0.34	0.35	0.37	0.40	0.41	0.43	0.44	0.44	0.45	0.45	0.46	0.46	0.47	0.48	0.49	1.8%
Total Sales	0.57	0.42	0.38	0.48	0.53	0.54	0.56	0.58	0.62	0.65	0.68	0.72	0.73	0.74	0.74	0.75	0.76	0.76	0.78	0.79	0.82	1.8%
Railroads																						
Ton Miles by Rail (billion ton miles)	1414.71	1502.63	1493.00	1534.32	1571.21	1608.98	1640.97	1673.69	1698.10	1727.09	1757.06	1805.05	1831.54	1855.08	1879.03	1906.59	1945.58	1976.53	2006.88	2038.52	2065.90	1.9%
Fuel Efficiency (ton miles / 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	3.19	3.22	3.25	3.28	3.32	3.35	3.38	3.42	1.0%
Fuel Consumption (trillion Btu)																						
Distillate (diesel)	506.09	532.17	523.47	532.58	539.93	547.38	552.68	558.07	560.54	564.41	568.46	578.15	580.77	582.35	583.97	586.61	592.62	596.02	599.13	602.49	604.47	0.9%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A

Table 55. Freight Transportation Energy Use (3 of 3)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Domestic Shipping																						
Ton Miles Shipping (billion ton miles)	689.25	706.10	709.05	723.30	731.82	740.90	749.12	758.40	768.72	779.37	791.71	805.01	814.62	828.27	841.56	855.30	868.58	879.55	891.02	899.93	910.10	1.4%
Fuel Efficiency (ton miles / 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	2.34	2.35	2.35	2.36	2.36	2.37	2.37	2.38	0.2%
Fuel Consumption (trillion Btu)																						
Distillate (diesel)	211.58	218.60	218.64	222.59	224.76	227.09	229.15	231.53	234.21	236.98	240.25	243.79	246.21	249.84	253.34	256.96	260.43	263.19	266.09	268.21	270.70	1.2%
Residual Oil	90.53	90.14	90.79	92.43	93.33	94.30	95.15	96.14	97.25	98.40	99.76	101.24	102.24	103.74	105.20	106.70	108.14	109.29	110.49	111.37	112.41	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	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)	2161.90	2116.02	2119.58	2246.58	2389.70	2534.34	2687.65	2853.44	3033.30	3238.39	3459.28	3698.89	3957.99	4237.14	4541.85	4870.50	5222.99	5605.93	6022.59	6467.06	6944.10	6.0%
Exports (billion 1996 dollars)	836.08	804.08	803.09	862.22	924.93	996.14	1078.16	1167.72	1265.44	1378.24	1501.12	1634.57	1759.64	1894.22	2039.83	2196.71	2365.98	2547.67	2742.50	2947.36	3164.07	6.9%
Imports (billion 1996 dollars)	1325.82	1311.94	1316.50	1384.37	1464.77	1538.20	1609.50	1685.71	1767.86	1860.15	1958.17	2064.32	2198.34	2342.92	2502.02	2673.79	2857.01	3058.25	3280.10	3519.70	3780.02	5.4%
Fuel Consumption (trillion Btu)																						
Distillate (diesel)	69.42	64.74	66.00	66.10	66.20	66.29	66.39	66.49	66.59	66.70	66.81	66.93	67.04	67.16	67.28	67.40	67.52	67.64	67.76	67.89	68.01	-0.1%
Residual Oil	1029.18	924.90	949.50	950.92	952.38	953.77	955.16	956.58	958.06	959.65	961.25	962.89	964.57	966.25	967.95	969.67	971.39	973.14	974.91	976.68	978.45	-0.3%

VMT = Vehicle miles traveled.

MPG = Miles per gallon.

Btu = British thermal unit.

N/A = Not applicable.

Sources: 2000 derived using: Oak Ridge National Laboratory, Transportation Energy Data Book: 17, 18, and 19 (Oak Ridge, TN, September 1999); 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 1998 (Washington, DC, November 1999); and Energy Information Administration (EIA), AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 56. New Light-Duty Vehicle Fuel Economy (1 of 4)
(Miles per Gallon)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Gasoline																						
Mini-compact Cars	24.44	24.39	24.29	25.23	25.11	25.03	25.00	25.04	25.14	25.24	25.34	25.41	25.51	25.70	25.87	26.08	26.20	26.35	26.46	26.56	26.66	0.4%
Subcompact Cars	32.42	32.42	32.29	33.20	33.22	33.24	33.29	33.30	33.39	33.49	33.62	33.70	33.80	33.98	34.11	34.26	34.39	34.54	34.67	34.80	34.90	0.4%
Compact Cars	30.42	30.45	30.37	31.38	31.56	31.54	31.56	31.56	31.61	31.71	32.06	32.17	32.31	32.51	32.66	32.84	33.00	33.17	33.34	33.51	33.64	0.5%
Midsize Cars	27.59	27.72	27.72	28.54	28.43	28.48	28.53	28.56	28.65	28.76	28.90	29.00	29.11	29.29	29.45	29.62	29.76	29.91	30.07	30.23	30.34	0.5%
Large Cars	25.43	25.64	25.74	26.44	26.39	26.51	26.62	26.68	26.81	27.01	27.23	27.40	27.54	27.70	27.84	28.00	28.16	28.34	28.53	28.73	28.87	0.6%
Two Seater Cars	26.97	26.98	26.94	27.86	27.75	27.72	27.73	27.78	27.91	28.06	28.19	28.29	28.42	28.61	28.79	29.01	29.15	29.33	29.48	29.62	29.75	0.5%
Small Pickup	25.38	25.41	25.31	25.60	25.43	25.45	25.49	25.51	25.59	25.69	25.81	25.95	26.12	26.42	26.54	26.70	26.87	27.07	27.15	27.23	27.30	0.4%
Large Pickup	18.72	18.72	18.68	18.93	18.81	18.85	18.97	19.11	19.24	19.36	19.53	19.74	19.95	20.27	20.40	20.55	20.69	20.78	20.88	20.96	21.01	0.6%
Small Van	25.30	25.29	25.32	25.67	25.51	25.65	25.77	25.88	26.03	26.16	26.32	26.55	26.80	27.17	27.26	27.39	27.55	27.76	27.89	28.00	28.14	0.5%
Large Van	18.28	18.30	18.36	18.80	18.77	18.82	19.02	19.19	19.38	19.55	19.73	19.90	20.07	20.38	20.52	20.68	20.82	20.92	21.02	21.11	21.18	0.7%
Small Utility	21.61	21.66	21.69	22.42	22.29	22.33	22.40	22.45	22.55	22.68	22.86	23.05	23.21	23.49	23.63	23.79	23.95	24.08	24.18	24.29	24.40	0.6%
Large Utility	16.92	16.89	16.94	17.45	17.40	17.46	17.65	17.80	17.97	18.14	18.29	18.45	18.60	18.84	18.97	19.13	19.25	19.34	19.42	19.50	19.57	0.7%
Turbo Direct Injection Diesel																						
Mini-compact Cars	32.64	32.55	32.32	33.12	32.92	32.79	32.74	32.76	32.85	32.98	33.07	33.11	33.19	33.30	33.37	33.48	33.51	33.55	33.54	33.55	33.59	0.1%
Subcompact Cars	43.50	43.49	43.28	43.88	43.68	43.68	43.72	43.68	43.72	43.78	43.85	43.88	43.95	44.06	44.16	44.27	44.34	44.42	44.49	44.57	44.60	0.1%
Compact Cars	40.79	40.82	40.64	41.32	41.11	41.14	41.14	41.09	41.10	41.17	41.40	41.51	41.63	41.73	41.83	41.95	42.02	42.14	42.24	42.37	42.44	0.2%
Midsize Cars	36.98	37.15	37.03	37.67	37.39	37.48	37.53	37.54	37.64	37.77	37.90	37.99	38.06	38.20	38.30	38.40	38.49	38.59	38.67	38.77	38.84	0.2%
Large Cars	34.07	34.32	34.34	34.83	34.66	34.85	34.97	35.00	35.07	35.19	35.36	35.52	35.64	35.82	35.99	36.14	36.30	36.48	36.65	36.84	36.92	0.4%
Two Seater Cars	36.05	36.03	35.87	36.58	36.40	36.32	36.32	36.32	36.42	36.56	36.68	36.77	36.88	37.04	37.15	37.29	37.38	37.50	37.56	37.64	37.71	0.2%
Small Pickup	34.12	34.14	33.94	34.12	33.81	33.81	33.82	33.78	33.81	33.88	33.96	34.07	34.22	34.49	34.54	34.59	34.68	34.83	34.93	34.98	34.99	0.1%
Large Pickup	25.12	25.11	25.02	25.17	24.96	24.99	25.09	25.23	25.40	25.52	25.70	25.89	26.11	26.44	26.52	26.64	26.77	26.93	27.00	27.03	27.04	0.4%
Small Van	33.99	33.92	33.77	33.98	33.63	33.67	33.72	33.75	33.85	33.94	34.06	34.31	34.62	35.04	35.13	35.21	35.33	35.55	35.73	35.85	35.95	0.3%
Large Van	24.44	24.42	24.43	24.99	24.89	24.93	25.03	25.18	25.42	25.62	25.80	25.99	26.21	26.54	26.64	26.75	26.88	27.02	27.09	27.14	27.16	0.5%
Small Utility	28.99	29.05	29.00	29.63	29.41	29.42	29.45	29.45	29.52	29.62	29.75	29.89	30.02	30.28	30.35	30.46	30.56	30.69	30.75	30.76	30.78	0.3%
Large Utility	22.62	22.53	22.54	23.14	23.03	23.06	23.17	23.34	23.56	23.75	23.91	24.10	24.30	24.54	24.62	24.75	24.86	24.97	25.02	25.05	25.09	0.5%
Methanol																						
Mini-compact Cars	26.33	26.27	26.16	27.12	27.00	26.92	26.89	26.94	27.06	27.21	27.33	27.42	27.55	27.74	27.91	28.12	28.24	28.37	28.46	28.56	28.65	0.4%
Subcompact Cars	34.93	34.92	34.78	35.63	35.60	35.62	35.69	35.70	35.81	35.94	36.08	36.20	36.31	36.51	36.67	36.85	36.99	37.17	37.30	37.45	37.53	0.4%
Compact Cars	32.77	32.80	32.71	33.69	33.76	33.77	33.79	33.81	33.88	34.00	34.34	34.52	34.72	34.97	35.19	35.42	35.60	35.81	35.99	36.19	36.31	0.5%
Midsize Cars	29.72	29.88	29.89	30.72	30.59	30.67	30.77	30.85	30.99	31.14	31.32	31.45	31.59	31.81	31.97	32.17	32.32	32.47	32.62	32.78	32.89	0.5%
Large Cars	27.61	27.85	28.02	28.68	28.64	28.88	29.05	29.13	29.28	29.47	29.70	29.89	30.07	30.25	30.40	30.58	30.74	30.92	31.11	31.31	31.44	0.7%
Two Seater Cars	29.24	29.23	29.17	30.09	29.99	29.97	29.99	30.05	30.20	30.37	30.54	30.67	30.81	31.03	31.21	31.42	31.57	31.73	31.87	32.01	32.14	0.5%
Small Pickup	27.37	27.40	27.33	27.63	27.42	27.47	27.52	27.56	27.70	27.86	28.06	28.27	28.48	28.84	28.95	29.13	29.28	29.46	29.60	29.68	29.73	0.4%
Large Pickup	20.26	20.27	20.24	20.50	20.36	20.41	20.53	20.72	20.95	21.12	21.35	21.60	21.83	22.17	22.30	22.45	22.60	22.71	22.80	22.88	22.92	0.6%
Small Van	27.90	27.82	27.83	28.11	27.91	28.06	28.19	28.29	28.45	28.59	28.76	29.00	29.26	29.65	29.74	29.89	30.03	30.24	30.40	30.50	30.62	0.5%
Large Van	19.75	19.76	19.83	20.34	20.28	20.32	20.52	20.71	20.94	21.17	21.43	21.68	21.91	22.26	22.40	22.56	22.71	22.83	22.93	23.01	23.07	0.8%
Small Utility	23.28	23.36	23.44	24.23	24.10	24.22	24.32	24.41	24.55	24.70	24.90	25.11	25.30	25.60	25.72	25.88	26.02	26.17	26.26	26.34	26.43	0.6%
Large Utility	18.28	18.24	18.31	18.85	18.82	18.86	19.05	19.23	19.43	19.62	19.82	20.05	20.26	20.57	20.71	20.87	21.00	21.09	21.17	21.25	21.32	0.8%
Methanol Flex																						
Mini-compact Cars	24.91	24.85	24.75	25.70	25.58	25.50	25.47	25.52	25.63	25.74	25.85	25.93	26.05	26.25	26.42	26.64	26.76	26.90	27.01	27.11	27.21	0.4%
Subcompact Cars	33.03	33.02	32.90	33.80	33.79	33.81	33.87	33.88	33.99	34.10	34.23	34.33	34.44	34.63	34.77	34.93	35.07	35.23	35.36	35.51	35.60	0.4%
Compact Cars	30.99	31.01	30.94	31.95	32.09	32.08	32.10	32.11	32.17	32.28	32.65	32.80	32.95	33.16	33.33	33.52	33.69	33.89	34.07	34.27	34.39	0.5%
Midsize Cars	28.11	28.25	28.26	29.08	28.96	29.02	29.08	29.13	29.23	29.36	29.53	29.66	29.79	29.99	30.16	30.34	30.49	30.64	30.79	30.95	31.07	0.5%
Large Cars	26.00	26.22	26.34	27.03	27.02	27.19	27.34	27.42	27.58	27.78	28.00	28.17	28.32	28.48	28.64	28.80	28.96	29.14	29.33	29.53	29.67	0.7%
Two Seater Cars	27.56	27.56	27.52	28.45	28.35	28.33	28.34	28.40	28.53	28.69	28.84	28.95	29.10	29.30	29.48	29.70	29.85	30.02	30.17	30.31	30.43	0.5%
Small Pickup	25.86	25.89	25.80	26.10	25.92	25.95	25.99	26.02	26.12	26.25	26.40	26.58	26.79	27.14	27.26	27.42	27.58	27.78	27.90	27.96	28.02	0.4%
Large Pickup	19.11	19.11	19.08	19.34	19.21	19.25	19.38	19.53	19.68	19.84	20.07	20.29	20.51	20.83	20.96	21.12	21.26	21.36	21.45	21.53	21.57	0.6%
Small Van	26.07	26.05	26.09	26.41	26.24	26.38	26.51	26.61	26.77	26.90	27.06	27.29	27.55	27.92	28.02	28.15	28.30	28.51	28.65	28.75	28.90	0.5%
Large Van	18.65	18.67	18.73	19.20	19.16	19.20	19.41	19.59	19.79	19.97	20.16	20.38	20.61	20.94	21.08	21.24	21.39	21.49	21.59	21.67	21.74	0.8%
Small Utility	22.02	22.08	22.13	22.89	22.77	22.83	22.90	22.99	23.13	23.27	23.46	23.65	23.82	24.11	24.24	24.40	24.55	24.70	24.79	24.89	24.99	0.6%
Large Utility	17.27	17.24	17.30	17.81	17.76	17.82	18.01	18.17	18.35	18.53	18.69	18.86	19.05	19.34	19.48	19.64	19.76	19.85	19.93	20.01	20.09	0.8%

Table 56. New Light-Duty Vehicle Fuel Economy (2 of 4)
(Miles per Gallon)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Ethanol																						
Mini-compact Cars	25.39	25.33	25.23	26.18	26.05	25.98	25.95	26.01	26.11	26.24	26.36	26.45	26.57	26.77	26.94	27.15	27.27	27.41	27.51	27.61	27.70	0.4%
Subcompact Cars	33.66	33.65	33.53	34.41	34.39	34.41	34.48	34.49	34.60	34.71	34.85	34.97	35.08	35.27	35.42	35.59	35.73	35.89	36.02	36.17	36.26	0.4%
Compact Cars	31.58	31.61	31.54	32.54	32.65	32.65	32.67	32.68	32.75	32.86	33.22	33.40	33.58	33.79	33.99	34.19	34.37	34.57	34.74	34.94	35.05	0.5%
Midsize Cars	28.64	28.80	28.81	29.64	29.50	29.57	29.63	29.69	29.83	29.97	30.14	30.27	30.41	30.62	30.78	30.97	31.12	31.27	31.43	31.59	31.70	0.5%
Large Cars	26.56	26.78	26.91	27.59	27.58	27.80	27.96	28.04	28.19	28.39	28.62	28.79	28.95	29.12	29.28	29.44	29.60	29.78	29.97	30.17	30.30	0.7%
Two Seater Cars	28.13	28.14	28.09	29.01	28.92	28.90	28.92	28.97	29.11	29.28	29.44	29.56	29.70	29.91	30.09	30.31	30.46	30.63	30.77	30.91	31.02	0.5%
Small Pickup	26.36	26.39	26.31	26.62	26.43	26.47	26.51	26.54	26.66	26.80	26.97	27.18	27.39	27.74	27.86	28.03	28.18	28.38	28.50	28.58	28.63	0.4%
Large Pickup	19.50	19.50	19.48	19.73	19.60	19.65	19.78	19.93	20.13	20.29	20.53	20.76	20.98	21.31	21.44	21.59	21.74	21.84	21.94	22.01	22.05	0.6%
Small Van	26.71	26.68	26.70	27.01	26.82	26.97	27.10	27.20	27.36	27.49	27.66	27.89	28.16	28.53	28.63	28.76	28.91	29.12	29.27	29.36	29.51	0.5%
Large Van	19.02	19.04	19.10	19.59	19.54	19.58	19.79	19.98	20.19	20.37	20.61	20.85	21.07	21.41	21.56	21.71	21.87	21.97	22.07	22.15	22.21	0.8%
Small Utility	22.44	22.50	22.57	23.34	23.22	23.30	23.40	23.49	23.63	23.78	23.97	24.17	24.34	24.63	24.76	24.93	25.08	25.22	25.31	25.40	25.50	0.6%
Large Utility	17.61	17.58	17.64	18.16	18.11	18.17	18.36	18.53	18.71	18.90	19.06	19.26	19.47	19.77	19.91	20.07	20.19	20.28	20.37	20.45	20.52	0.8%
Ethanol Flex																						
Mini-compact Cars	24.68	24.62	24.52	25.46	25.35	25.27	25.24	25.28	25.38	25.50	25.60	25.68	25.80	25.99	26.17	26.39	26.51	26.65	26.77	26.86	26.96	0.4%
Subcompact Cars	32.71	32.70	32.58	33.49	33.49	33.51	33.57	33.58	33.68	33.79	33.92	34.02	34.13	34.31	34.45	34.61	34.75	34.90	35.04	35.18	35.28	0.4%
Compact Cars	30.69	30.71	30.64	31.66	31.82	31.80	31.82	31.83	31.89	31.99	32.36	32.50	32.65	32.85	33.02	33.20	33.36	33.55	33.74	33.94	34.06	0.5%
Midsize Cars	27.84	27.98	27.98	28.81	28.69	28.75	28.81	28.85	28.95	29.07	29.22	29.35	29.48	29.68	29.84	30.03	30.17	30.32	30.48	30.64	30.75	0.5%
Large Cars	25.72	25.94	26.06	26.76	26.73	26.87	27.02	27.10	27.26	27.46	27.68	27.85	28.00	28.16	28.31	28.47	28.63	28.81	29.00	29.20	29.34	0.7%
Two Seater Cars	27.27	27.27	27.24	28.16	28.06	28.03	28.04	28.10	28.23	28.39	28.53	28.64	28.78	28.99	29.17	29.38	29.53	29.71	29.86	30.00	30.12	0.5%
Small Pickup	25.61	25.63	25.55	25.85	25.67	25.70	25.74	25.76	25.85	25.98	26.12	26.28	26.49	26.83	26.96	27.12	27.29	27.48	27.59	27.66	27.72	0.4%
Large Pickup	18.92	18.92	18.89	19.14	19.02	19.06	19.19	19.33	19.47	19.61	19.84	20.06	20.27	20.60	20.73	20.88	21.02	21.12	21.21	21.29	21.33	0.6%
Small Van	25.75	25.74	25.77	26.10	25.94	26.08	26.21	26.31	26.47	26.60	26.76	26.99	27.25	27.62	27.71	27.84	28.00	28.20	28.34	28.44	28.59	0.5%
Large Van	18.47	18.49	18.55	19.01	18.97	19.02	19.23	19.40	19.60	19.77	19.96	20.16	20.38	20.71	20.85	21.01	21.15	21.25	21.35	21.44	21.51	0.8%
Small Utility	21.81	21.86	21.91	22.66	22.54	22.60	22.66	22.74	22.87	23.02	23.20	23.40	23.56	23.84	23.98	24.14	24.29	24.43	24.53	24.63	24.74	0.6%
Large Utility	17.10	17.07	17.13	17.64	17.59	17.65	17.84	18.00	18.17	18.34	18.50	18.67	18.84	19.13	19.27	19.42	19.54	19.63	19.72	19.80	19.87	0.8%
Compressed Natural Gas (CNG)																						
Mini-compact Cars	26.22	26.14	26.00	26.86	26.72	26.62	26.58	26.61	26.69	26.78	26.85	26.89	26.96	27.11	27.24	27.41	27.49	27.59	27.67	27.73	27.80	0.3%
Subcompact Cars	34.83	34.82	34.66	35.43	35.34	35.35	35.40	35.39	35.46	35.54	35.63	35.70	35.77	35.92	36.03	36.15	36.24	36.37	36.46	36.56	36.62	0.3%
Compact Cars	32.71	32.72	32.59	33.41	33.44	33.47	33.48	33.47	33.49	33.55	33.85	33.98	34.11	34.30	34.44	34.59	34.70	34.85	34.98	35.12	35.20	0.4%
Midsize Cars	29.67	29.80	29.74	30.42	30.23	30.32	30.37	30.39	30.46	30.53	30.64	30.70	30.78	30.93	31.03	31.18	31.27	31.38	31.49	31.61	31.69	0.3%
Large Cars	27.30	27.49	27.52	28.00	27.91	28.09	28.19	28.22	28.30	28.43	28.59	28.70	28.81	28.92	29.03	29.15	29.28	29.42	29.57	29.74	29.86	0.4%
Two Seater Cars	28.89	28.87	28.77	29.56	29.47	29.41	29.40	29.42	29.52	29.64	29.74	29.80	29.89	30.05	30.18	30.34	30.45	30.58	30.70	30.81	30.90	0.3%
Small Pickup	27.31	27.32	27.18	27.38	27.18	27.19	27.20	27.19	27.24	27.31	27.39	27.50	27.63	27.87	27.95	28.08	28.19	28.35	28.44	28.47	28.50	0.2%
Large Pickup	20.12	20.10	20.02	20.19	20.06	20.08	20.20	20.32	20.45	20.54	20.69	20.85	21.00	21.25	21.35	21.46	21.58	21.65	21.72	21.78	21.81	0.4%
Small Van	27.23	27.16	27.06	27.25	27.02	27.05	27.10	27.13	27.21	27.29	27.39	27.55	27.75	28.05	28.13	28.26	28.41	28.62	28.76	28.85	29.00	0.3%
Large Van	19.65	19.64	19.67	20.10	20.04	20.07	20.25	20.42	20.60	20.75	20.91	21.07	21.22	21.47	21.58	21.70	21.81	21.89	21.95	22.01	22.07	0.6%
Small Utility	23.27	23.31	23.29	23.93	23.78	23.79	23.83	23.85	23.92	24.00	24.12	24.25	24.36	24.58	24.68	24.81	24.93	25.05	25.11	25.19	25.28	0.4%
Large Utility	18.17	18.12	18.15	18.62	18.56	18.60	18.78	18.93	19.09	19.25	19.38	19.53	19.67	19.88	19.98	20.09	20.19	20.25	20.30	20.36	20.42	0.6%
CNG Bi-Fuel																						
Mini-compact Cars	24.34	24.27	24.14	24.98	24.85	24.76	24.72	24.74	24.80	24.87	24.93	24.96	25.02	25.17	25.29	25.46	25.54	25.66	25.74	25.81	25.90	0.3%
Subcompact Cars	32.30	32.28	32.15	32.96	32.91	32.92	32.97	32.95	33.01	33.08	33.17	33.21	33.26	33.40	33.47	33.58	33.67	33.77	33.86	33.96	34.03	0.3%
Compact Cars	30.34	30.34	30.24	31.08	31.20	31.22	31.23	31.21	31.22	31.29	31.59	31.65	31.74	31.89	31.98	32.12	32.29	32.35	32.48	32.62	32.72	0.4%
Midsize Cars	27.53	27.65	27.60	28.25	28.10	28.18	28.22	28.22	28.27	28.33	28.41	28.46	28.51	28.64	28.73	28.85	28.93	29.03	29.14	29.24	29.32	0.3%
Large Cars	25.32	25.48	25.49	25.98	25.89	26.04	26.13	26.14	26.22	26.34	26.46	26.53	26.60	26.68	26.75	26.85	26.95	27.07	27.20	27.36	27.46	0.4%
Two Seater Cars	26.80	26.78	26.68	27.46	27.36	27.30	27.29	27.30	27.38	27.48	27.55	27.59	27.66	27.80	27.91	28.07	28.17	28.30	28.41	28.52	28.62	0.3%
Small Pickup	25.31	25.32	25.18	25.38	25.21	25.21	25.22	25.22	25.25	25.30	25.37	25.45	25.56	25.78	25.84	25.96	26.07	26.20	26.23	26.27	26.30	0.2%
Large Pickup	18.62	18.60	18.52	18.68	18.56	18.59	18.70	18.81	18.91	18.99	19.11	19.24	19.37	19.59	19.67	19.77	19.86	19.91	19.97	20.02	20.05	0.4%
Small Van	25.24	25.16	25.04	25.24	25.03	25.05	25.08	25.11	25.17	25.21	25.29	25.42	25.58	25.83	25.88	25.98	26.11	26.28	26.38	26.47	26.59	0.3%
Large Van	18.21	18.21	18.24	18.60	18.56	18.60	18.80	18.94	19.10	19.23	19.36	19.49	19.62	19.85	19.93	20.04	20.13	20.18	20.24	20.29	20.34	0.6%
Small Utility	21.59	21.62	21.60	22.21	22.06	22.07	22.10	22.12	22.17	22.23	22.33	22.44	22.51	22.71	22.80	22.92	23.04	23.13	23.20	23.29	23.39	0.4%
Large Utility	16.84	16.80	16.82	17.24	17.20	17.25	17.42	17.56	17.70	17.83	17.95	18.06	18.18	18.38	18.46	18.56	18.63	18.68	18.73	18.78	18.83	0.6%

Table 56. New Light-Duty Vehicle Fuel Economy (3 of 4)
(Miles per Gallon)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Liquefied Petroleum Gas (LPG)																						
Mini-compact Cars	25.34	25.28	25.17	26.11	25.97	25.89	25.86	25.91	26.00	26.12	26.21	26.28	26.39	26.57	26.74	26.95	27.06	27.20	27.30	27.39	27.48	0.4%
Subcompact Cars	33.62	33.61	33.48	34.35	34.32	34.34	34.41	34.41	34.51	34.61	34.74	34.84	34.94	35.12	35.25	35.41	35.53	35.69	35.81	35.95	36.03	0.3%
Compact Cars	31.55	31.57	31.48	32.42	32.51	32.56	32.59	32.59	32.64	32.74	33.09	33.24	33.40	33.60	33.77	33.94	34.10	34.28	34.43	34.62	34.73	0.5%
Midsize Cars	28.62	28.76	28.75	29.51	29.35	29.47	29.53	29.57	29.67	29.78	29.92	30.02	30.14	30.33	30.49	30.67	30.81	30.96	31.11	31.27	31.38	0.5%
Large Cars	26.41	26.63	26.73	27.34	27.30	27.51	27.63	27.69	27.83	28.02	28.25	28.42	28.58	28.74	28.90	29.06	29.22	29.40	29.59	29.79	29.92	0.6%
Two Seater Cars	27.97	27.98	27.93	28.84	28.74	28.71	28.72	28.77	28.90	29.05	29.20	29.30	29.43	29.63	29.80	30.02	30.16	30.33	30.47	30.61	30.72	0.5%
Small Pickup	26.34	26.36	26.26	26.54	26.34	26.37	26.41	26.42	26.51	26.61	26.74	26.90	27.07	27.39	27.51	27.67	27.83	28.03	28.15	28.21	28.26	0.4%
Large Pickup	19.45	19.45	19.40	19.64	19.50	19.55	19.67	19.82	19.96	20.08	20.26	20.48	20.70	21.03	21.16	21.31	21.45	21.55	21.65	21.73	21.77	0.6%
Small Van	26.28	26.28	26.32	26.64	26.46	26.60	26.73	26.83	26.99	27.12	27.28	27.52	27.78	28.15	28.25	28.38	28.53	28.74	28.88	28.98	29.13	0.5%
Large Van	18.99	19.00	19.05	19.51	19.46	19.50	19.71	19.89	20.08	20.26	20.44	20.62	20.80	21.13	21.27	21.43	21.57	21.68	21.78	21.86	21.93	0.7%
Small Utility	22.44	22.49	22.51	23.25	23.11	23.16	23.22	23.27	23.38	23.51	23.69	23.89	24.06	24.34	24.48	24.63	24.78	24.93	25.01	25.11	25.22	0.6%
Large Utility	17.57	17.54	17.59	18.10	18.04	18.10	18.28	18.45	18.62	18.80	18.95	19.12	19.28	19.52	19.66	19.82	19.94	20.03	20.11	20.19	20.27	0.7%
LPG Bi-Fuel																						
Mini-compact Cars	24.40	24.33	24.22	25.15	25.02	24.93	24.90	24.93	25.02	25.11	25.19	25.25	25.34	25.51	25.66	25.85	25.96	26.10	26.20	26.29	26.39	0.4%
Subcompact Cars	32.36	32.34	32.22	33.12	33.11	33.13	33.19	33.18	33.27	33.36	33.47	33.54	33.63	33.79	33.90	34.04	34.16	34.29	34.42	34.53	34.63	0.3%
Compact Cars	30.37	30.38	30.30	31.25	31.39	31.42	31.44	31.43	31.47	31.56	31.89	31.99	32.12	32.30	32.43	32.60	32.74	32.89	33.05	33.22	33.34	0.5%
Midsize Cars	27.55	27.68	27.65	28.41	28.27	28.37	28.42	28.44	28.52	28.61	28.73	28.81	28.90	29.06	29.19	29.34	29.45	29.58	29.72	29.86	29.96	0.4%
Large Cars	25.36	25.55	25.61	26.22	26.14	26.33	26.43	26.47	26.58	26.75	26.92	27.04	27.15	27.27	27.39	27.52	27.67	27.83	28.02	28.22	28.35	0.6%
Two Seater Cars	26.88	26.88	26.81	27.71	27.60	27.55	27.56	27.59	27.70	27.83	27.94	28.02	28.12	28.29	28.45	28.65	28.79	28.95	29.10	29.24	29.36	0.4%
Small Pickup	25.33	25.35	25.24	25.51	25.33	25.35	25.37	25.38	25.45	25.53	25.63	25.75	25.90	26.16	26.26	26.41	26.56	26.73	26.80	26.87	26.92	0.3%
Large Pickup	18.67	18.66	18.61	18.84	18.71	18.75	18.87	18.99	19.12	19.22	19.38	19.53	19.69	19.95	20.06	20.19	20.31	20.40	20.49	20.58	20.62	0.5%
Small Van	25.26	25.22	25.16	25.45	25.28	25.33	25.38	25.44	25.55	25.67	25.83	26.06	26.31	26.67	26.75	26.89	27.05	27.26	27.39	27.50	27.65	0.5%
Large Van	18.25	18.26	18.30	18.73	18.69	18.74	18.94	19.10	19.28	19.43	19.59	19.75	19.91	20.17	20.28	20.41	20.53	20.61	20.69	20.77	20.84	0.7%
Small Utility	21.60	21.64	21.65	22.35	22.22	22.24	22.29	22.33	22.40	22.50	22.63	22.78	22.89	23.13	23.26	23.41	23.57	23.69	23.79	23.91	24.03	0.5%
Large Utility	16.89	16.85	16.90	17.38	17.33	17.39	17.57	17.72	17.88	18.03	18.17	18.31	18.46	18.68	18.78	18.91	19.00	19.08	19.15	19.22	19.28	0.7%
Electric																						
Mini-compact Cars	27.56	27.61	27.76	28.76	31.43	34.83	39.12	44.75	44.73	44.68	44.61	44.55	44.51	44.45	44.37	44.30	44.18	44.09	44.05	43.94	43.79	2.3%
Subcompact Cars	34.58	34.64	34.82	35.56	38.78	42.92	48.14	54.91	54.61	54.38	54.13	53.91	53.70	53.49	53.35	53.22	53.09	52.97	52.84	52.73	52.62	2.1%
Compact Cars	33.00	33.04	33.19	33.77	36.84	40.76	45.71	52.15	51.91	51.66	51.40	51.18	50.99	50.80	50.67	50.56	50.45	50.35	50.24	50.14	50.04	2.1%
Midsize Cars	28.77	28.81	28.96	29.51	32.28	35.72	40.06	45.75	45.62	45.53	45.43	45.32	45.25	45.17	45.09	45.01	44.90	44.81	44.74	44.66	44.55	2.2%
Large Cars	25.49	25.56	25.67	26.15	28.54	31.61	35.47	40.47	40.21	39.90	39.71	39.56	39.49	39.41	39.35	39.29	39.22	39.17	39.09	39.05	39.00	2.2%
Two Seater Cars	29.70	29.77	29.93	30.84	33.68	37.32	41.91	47.88	47.74	47.57	47.47	47.38	47.32	47.25	47.17	47.09	46.99	46.91	46.85	46.77	46.66	2.3%
Small Pickup	26.96	26.95	26.95	27.42	29.81	32.90	36.80	41.82	41.37	40.96	40.64	40.34	40.05	39.77	39.61	39.49	39.36	39.23	39.10	38.97	38.86	1.8%
Large Pickup	20.37	20.39	20.40	20.84	22.69	25.06	27.97	31.75	31.41	31.13	30.87	30.68	30.56	30.43	30.32	30.21	30.10	29.99	29.89	29.81	29.72	1.9%
Small Van	23.63	23.62	23.63	23.93	26.06	28.76	32.17	36.55	36.14	35.78	35.48	35.19	34.91	34.64	34.46	34.33	34.20	34.08	33.96	33.84	33.74	1.8%
Large Van	19.61	19.66	19.75	20.25	22.12	24.44	27.38	31.12	30.85	30.64	30.38	30.19	30.07	29.94	29.84	29.73	29.62	29.51	29.41	29.33	29.27	2.0%
Small Utility	24.48	24.48	24.51	25.47	27.68	30.54	34.11	38.73	38.31	37.94	37.63	37.36	37.19	37.02	36.90	36.79	36.67	36.55	36.43	36.31	36.20	2.0%
Large Utility	18.45	18.49	18.57	19.33	21.09	23.29	26.08	29.63	29.36	29.14	28.89	28.76	28.65	28.50	28.38	28.27	28.16	28.05	27.95	27.86	27.79	2.1%
Diesel-Electric Hybrid																						
Mini-compact Cars	36.24	35.83	35.47	36.08	35.73	35.52	35.42	35.30	35.22	35.17	35.10	34.98	34.90	34.80	34.70	34.63	34.56	34.51	34.48	34.47	34.50	-0.2%
Subcompact Cars	48.39	47.83	47.33	47.58	47.06	46.75	46.54	46.30	46.07	45.88	45.69	45.49	45.32	45.14	45.01	44.93	44.80	44.73	44.69	44.66	44.63	-0.4%
Compact Cars	46.36	45.86	45.44	45.82	45.36	45.10	44.92	44.73	44.56	44.44	44.33	44.17	44.07	43.98	43.85	43.79	43.72	43.67	43.64	43.62	43.64	-0.3%
Midsize Cars	41.82	41.38	41.01	41.42	40.99	40.76	40.62	40.48	40.37	40.33	40.23	40.15	40.08	39.97	39.89	39.84	39.76	39.72	39.71	39.71	39.73	-0.3%
Large Cars	38.47	38.08	37.79	38.14	37.75	37.57	37.45	37.33	37.23	37.17	37.13	37.09	37.05	37.03	37.03	37.03	37.03	37.05	37.08	37.10	37.12	-0.2%
Two Seater Cars	40.25	39.81	39.45	39.96	39.56	39.35	39.24	39.11	39.02	38.98	38.93	38.84	38.78	38.72	38.65	38.61	38.57	38.54	38.53	38.53	38.57	-0.2%
Small Pickup	38.81	38.34	37.94	38.02	37.56	37.29	37.09	36.89	36.70	36.59	36.42	36.29	36.19	36.11	36.05	35.97	35.92	35.96	35.95	35.93	35.90	-0.4%
Large Pickup	28.97	28.64	28.42	28.52	28.20	28.03	27.91	27.81	27.74	27.68	27.59	27.53	27.49	27.45	27.41	27.37	27.37	27.41	27.36	27.30	27.25	-0.3%
Small Van	38.32	37.90	37.58	37.70	37.25	37.03	36.87	36.72	36.62	36.57	36.44	36.35	36.32	36.30	36.28	36.22	36.19	36.26	36.30	36.33	36.32	-0.3%
Large Van	28.06	27.74	27.61	28.16	27.95	27.77	27.65	27.54	27.50	27.52	27.42	27.36	27.31	27.26	27.21	27.17	27.16	27.19	27.14	27.08	27.04	-0.2%
Small Utility	32.80	32.42	32.11	32.60	32.25	32.03	31.89	31.74	31.62	31.54	31.45	31.38	31.32	31.26	31.19	31.18	31.17	31.20	31.17	31.11	31.07	-0.3%
Large Utility	26.05	25.76	25.66	26.27	26.06	25.90	25.80	25.71	25.70	25.71	25.64	25.59	25.54	25.49	25.42	25.40	25.40	25.40	25.35	25.29	25.27	-0.2%

Table 56. New Light-Duty Vehicle Fuel Economy (3 of 4)
(Miles per Gallon)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Gasoline-Electric Hybrid																						
Mini-compact Cars	32.86	32.49	32.18	32.85	32.58	32.39	32.31	32.22	32.15	32.12	32.04	31.94	31.85	31.76	31.67	31.63	31.58	31.54	31.54	31.55	31.58	-0.2%
Subcompact Cars	43.84	43.34	42.89	43.22	42.79	42.51	42.33	42.13	41.95	41.80	41.67	41.49	41.38	41.26	41.15	41.06	40.98	40.94	40.90	40.87	40.86	-0.4%
Compact Cars	42.01	41.56	41.19	41.63	41.26	41.03	40.88	40.73	40.59	40.52	40.42	40.31	40.25	40.14	40.07	40.04	39.98	39.97	39.96	39.96	39.97	-0.2%
Midsize Cars	37.91	37.51	37.18	37.67	37.32	37.12	37.01	36.90	36.82	36.79	36.71	36.62	36.54	36.46	36.39	36.33	36.29	36.28	36.28	36.29	36.31	-0.2%
Large Cars	34.91	34.55	34.29	34.63	34.32	34.15	34.05	33.95	33.87	33.85	33.82	33.79	33.78	33.78	33.77	33.77	33.77	33.79	33.81	33.83	33.86	-0.2%
Two Seater Cars	36.50	36.10	35.77	36.34	36.03	35.84	35.75	35.65	35.58	35.57	35.51	35.44	35.39	35.33	35.26	35.23	35.21	35.20	35.20	35.22	35.26	-0.2%
Small Pickup	35.19	34.77	34.41	34.53	34.14	33.90	33.74	33.56	33.41	33.31	33.17	33.07	33.00	32.93	32.86	32.81	32.79	32.83	32.82	32.77	32.72	-0.4%
Large Pickup	26.27	25.98	25.79	25.90	25.63	25.48	25.38	25.31	25.26	25.20	25.13	25.08	25.05	25.00	24.95	24.93	24.94	24.95	24.91	24.85	24.82	-0.3%
Small Van	34.74	34.36	34.08	34.22	33.82	33.63	33.50	33.38	33.30	33.24	33.15	33.09	33.09	33.06	33.03	33.00	33.00	33.09	33.12	33.10	33.06	-0.2%
Large Van	25.49	25.21	25.11	25.60	25.43	25.27	25.17	25.10	25.11	25.13	25.05	25.00	24.96	24.91	24.84	24.82	24.82	24.83	24.78	24.73	24.72	-0.2%
Small Utility	29.74	29.39	29.15	29.69	29.41	29.22	29.09	28.97	28.87	28.81	28.73	28.68	28.63	28.57	28.53	28.51	28.51	28.53	28.48	28.43	28.41	-0.2%
Large Utility	23.66	23.40	23.33	23.90	23.72	23.58	23.50	23.47	23.47	23.48	23.42	23.38	23.34	23.27	23.22	23.22	23.22	23.20	23.15	23.11	23.11	-0.1%
Fuel Cell Methanol																						
Mini-compact Cars	46.55	46.11	45.86	46.43	46.05	45.82	45.63	45.51	45.49	45.44	45.37	45.31	45.27	45.21	45.13	45.05	44.93	44.84	44.80	44.69	44.53	-0.2%
Subcompact Cars	58.40	57.85	57.51	57.41	56.82	56.47	56.15	55.84	55.54	55.31	55.06	54.83	54.62	54.41	54.26	54.13	53.99	53.87	53.74	53.63	53.51	-0.4%
Compact Cars	55.74	55.19	54.82	54.52	53.96	53.63	53.32	53.04	52.80	52.54	52.27	52.06	51.86	51.67	51.54	51.42	51.31	51.21	51.10	51.00	50.89	-0.5%
Midsize Cars	48.59	48.13	47.83	47.64	47.29	47.00	46.73	46.53	46.40	46.31	46.20	46.09	46.02	45.94	45.86	45.78	45.66	45.57	45.50	45.42	45.31	-0.3%
Large Cars	43.05	42.69	42.40	42.22	41.82	41.59	41.37	41.16	40.90	40.58	40.39	40.24	40.16	40.09	40.02	39.96	39.89	39.84	39.76	39.72	39.67	-0.4%
Two Seater Cars	50.17	49.72	49.43	49.79	49.34	49.10	48.89	48.70	48.56	48.38	48.28	48.19	48.13	48.06	47.98	47.90	47.79	47.71	47.65	47.57	47.45	-0.3%
Small Pickup	45.53	45.01	44.51	44.27	43.67	43.29	42.92	42.53	42.08	41.66	41.33	41.02	40.73	40.45	40.29	40.16	40.03	39.90	39.77	39.64	39.52	-0.7%
Large Pickup	34.40	34.06	33.69	33.64	33.24	32.97	32.63	32.30	31.95	31.66	31.40	31.20	31.08	30.94	30.84	30.72	30.61	30.50	30.40	30.32	30.23	-0.6%
Small Van	39.91	39.46	39.03	38.63	38.18	37.84	37.52	37.17	36.76	36.39	36.08	35.79	35.50	35.23	35.04	34.91	34.79	34.66	34.54	34.42	34.32	-0.8%
Large Van	33.13	32.84	32.62	32.69	32.41	32.16	31.93	31.65	31.38	31.16	30.90	30.70	30.58	30.45	30.35	30.23	30.12	30.01	29.91	29.83	29.77	-0.5%
Small Utility	41.34	40.89	40.47	41.11	40.54	40.18	39.79	39.39	38.96	38.59	38.28	38.00	37.82	37.65	37.53	37.41	37.30	37.17	37.05	36.93	36.82	-0.6%
Large Utility	31.17	30.89	30.67	31.20	30.89	30.64	30.41	30.14	29.86	29.64	29.39	29.25	29.14	28.99	28.87	28.75	28.64	28.53	28.43	28.34	28.27	-0.5%
Fuel Cell Hydrogen																						
Mini-compact Cars	51.05	50.56	50.28	50.91	50.49	50.24	50.03	49.90	49.88	49.82	49.75	49.68	49.63	49.57	49.49	49.40	49.27	49.17	49.12	49.00	48.83	-0.2%
Subcompact Cars	64.03	63.44	63.06	62.95	62.30	61.91	61.57	61.23	60.90	60.65	60.37	60.12	59.89	59.66	59.49	59.35	59.20	59.07	58.93	58.80	58.68	-0.4%
Compact Cars	61.12	60.52	60.11	59.78	59.17	58.80	58.46	58.16	57.89	57.61	57.32	57.08	56.87	56.65	56.51	56.39	56.26	56.15	56.03	55.92	55.81	-0.5%
Midsize Cars	53.28	52.77	52.44	52.24	51.86	51.54	51.24	51.02	50.88	50.78	50.66	50.54	50.46	50.37	50.28	50.20	50.07	49.97	49.89	49.81	49.68	-0.3%
Large Cars	47.20	46.81	46.49	46.29	45.85	45.60	45.36	45.13	44.85	44.50	44.28	44.12	44.04	43.96	43.88	43.81	43.74	43.68	43.60	43.55	43.50	-0.4%
Two Seater Cars	55.01	54.52	54.20	54.59	54.10	53.84	53.60	53.40	53.24	53.05	52.94	52.84	52.77	52.69	52.61	52.52	52.40	52.31	52.25	52.16	52.03	-0.3%
Small Pickup	49.92	49.35	48.81	48.54	47.89	47.46	47.07	46.64	46.14	45.68	45.32	44.98	44.66	44.36	44.18	44.04	43.89	43.75	43.61	43.46	43.33	-0.7%
Large Pickup	37.72	37.35	36.94	36.89	36.45	36.15	35.77	35.41	35.03	34.71	34.43	34.21	34.08	33.93	33.81	33.68	33.56	33.45	33.34	33.24	33.15	-0.6%
Small Van	43.76	43.27	42.80	42.36	41.86	41.49	41.14	40.76	40.30	39.90	39.56	39.24	38.93	38.63	38.42	38.28	38.14	38.00	37.87	37.74	37.63	-0.8%
Large Van	36.32	36.01	35.77	35.85	35.53	35.26	35.01	34.71	34.41	34.16	33.89	33.66	33.53	33.39	33.28	33.15	33.03	32.91	32.80	32.71	32.64	-0.5%
Small Utility	45.33	44.84	44.38	45.08	44.46	44.05	43.63	43.19	42.72	42.31	41.97	41.66	41.47	41.28	41.15	41.02	40.90	40.76	40.62	40.49	40.37	-0.6%
Large Utility	34.18	33.87	33.63	34.21	33.87	33.60	33.35	33.05	32.75	32.50	32.22	32.07	31.95	31.79	31.65	31.53	31.41	31.29	31.17	31.07	30.99	-0.5%
Fuel Cell Gasoline																						
Mini-compact Cars	43.62	43.21	42.97	43.50	43.15	42.94	42.76	42.64	42.63	42.58	42.52	42.45	42.42	42.36	42.29	42.22	42.10	42.02	41.98	41.87	41.73	-0.2%
Subcompact Cars	54.72	54.21	53.89	53.79	53.24	52.91	52.61	52.33	52.04	51.83	51.59	51.38	51.18	50.98	50.84	50.72	50.59	50.48	50.36	50.25	50.14	-0.4%
Compact Cars	52.23	51.72	51.37	51.09	50.57	50.25	49.96	49.70	49.47	49.23	48.98	48.78	48.60	48.41	48.29	48.19	48.08	47.98	47.88	47.79	47.69	-0.5%
Midsize Cars	45.53	45.10	44.81	44.64	44.32	44.04	43.79	43.60	43.48	43.39	43.29	43.19	43.12	43.05	42.97	42.90	42.79	42.70	42.63	42.56	42.46	-0.3%
Large Cars	40.34	40.00	39.73	39.56	39.18	38.97	38.77	38.56	38.32	38.03	37.84	37.70	37.64	37.56	37.50	37.44	37.38	37.33	37.26	37.22	37.17	-0.4%
Two Seater Cars	47.01	46.59	46.32	46.65	46.23	46.01	45.81	45.63	45.50	45.34	45.24	45.15	45.10	45.03	44.96	44.88	44.78	44.70	44.65	44.57	44.47	-0.3%
Small Pickup	42.66	42.17	41.71	41.48	40.92	40.56	40.22	39.85	39.43	39.04	38.73	38.44	38.17	37.91	37.75	37.63	37.51	37.39	37.27	37.14	37.03	-0.7%
Large Pickup	32.23	31.92	31.57	31.52	31.15	30.90	30.57	30.26	29.94	29.67	29.42	29.24	29.12	29.00	28.89	28.79	28.68	28.58	28.49	28.41	28.33	-0.6%
Small Van	37.39	36.97	36.57	36.20	35.78	35.46	35.16	34.83	34.44	34.10	33.81	33.54	33.27	33.01	32.84	32.72	32.59	32.48	32.36	32.25	32.15	-0.8%
Large Van	31.04	30.77	30.57	30.64	30.37	30.14	29.92	29.66	29.40	29.20	28.96	28.77	28.66	28.53	28.44	28.33	28.23	28.12	28.03	27.95	27.89	-0.5%
Small Utility	38.74	38.32	37.93	38.53	37.99	37.65	37.28	36.91	36.51	36.16	35.87	35.60	35.44	35.28	35.16	35.06	34.95	34.83	34.71	34.60	34.50	-0.6%
Large Utility	29.21	28.94	28.74	29.24	28.94	28.71	28.50	28.24	27.98	27.77	27.54	27.40	27.30	27.16	27.05	26.94	26.84	26.74	26.64	26.55	26.49	-0.5%

Sources: 2000 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,
AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 57. New Light-Duty Vehicle Prices (1 of 4)
(Thousand 1990 Dollars)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Gasoline																						
Mini-compact Cars	24.6	24.8	24.9	25.0	25.3	25.4	25.4	25.4	25.5	25.5	25.6	25.6	25.6	25.7	25.7	25.7	25.8	25.8	25.8	25.8	25.9	0.2%
Subcompact Cars	16.5	16.6	16.7	16.8	17.1	17.2	17.2	17.2	17.3	17.3	17.4	17.4	17.5	17.5	17.6	17.6	17.6	17.7	17.7	17.7	17.7	0.4%
Compact Cars	14.7	14.8	14.8	14.9	15.2	15.3	15.3	15.3	15.3	15.4	15.4	15.4	15.5	15.5	15.5	15.6	15.6	15.6	15.6	15.6	15.7	0.3%
Midsize Cars	19.0	19.1	19.2	19.3	19.6	19.6	19.6	19.6	19.7	19.7	19.7	19.7	19.8	19.8	19.8	19.8	19.8	19.9	19.9	19.9	19.9	0.2%
Large Cars	23.8	24.0	24.0	24.0	24.3	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	0.2%
Two Seater Cars	26.1	26.3	26.3	26.4	26.7	26.8	26.8	26.8	26.8	26.9	26.9	26.9	26.9	27.0	27.0	27.0	27.0	27.0	27.0	27.1	27.1	0.2%
Small Pickup	14.0	14.2	14.3	14.3	14.6	14.6	14.6	14.7	14.7	14.7	14.8	14.8	14.8	14.8	14.9	14.9	14.9	14.9	14.9	15.0	15.0	0.3%
Large Pickup	16.8	17.0	17.0	17.1	17.4	17.4	17.4	17.5	17.5	17.5	17.6	17.6	17.6	17.6	17.7	17.7	17.7	17.7	17.7	17.8	17.8	0.3%
Small Van	19.7	19.9	19.9	19.9	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.3	20.3	20.3	20.3	20.3	20.4	20.4	20.4	20.4	20.4	0.2%
Large Van	17.7	17.9	18.0	18.0	18.3	18.4	18.4	18.5	18.5	18.5	18.6	18.6	18.7	18.7	18.7	18.7	18.8	18.8	18.8	18.8	18.8	0.3%
Small Utility	20.4	20.6	20.6	20.7	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.2	21.2	21.2	21.2	21.3	21.3	21.3	21.3	21.3	21.4	0.2%
Large Utility	23.5	23.7	23.7	23.8	24.1	24.1	24.2	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	24.6	0.2%
Turbo Direct Injection Diesel																						
Mini-compact Cars	26.3	26.5	26.6	26.7	27.0	27.0	27.1	27.1	27.2	27.2	27.3	27.3	27.4	27.4	27.5	27.5	27.5	27.5	27.6	27.6	27.6	0.2%
Subcompact Cars	17.7	17.9	18.0	18.0	18.4	18.4	18.4	18.5	18.5	18.6	18.6	18.7	18.7	18.8	18.8	18.8	18.9	18.9	18.9	19.0	19.0	0.4%
Compact Cars	15.8	16.0	16.1	16.1	16.5	16.5	16.5	16.5	16.6	16.6	16.6	16.7	16.7	16.7	16.8	16.8	16.8	16.8	16.8	16.9	16.9	0.3%
Midsize Cars	20.8	20.9	21.0	21.0	21.4	21.4	21.4	21.4	21.5	21.5	21.6	21.6	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.7	21.8	0.2%
Large Cars	25.8	26.0	26.1	26.1	26.4	26.4	26.5	26.5	26.5	26.5	26.5	26.6	26.6	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.7	0.2%
Two Seater Cars	28.0	28.2	28.3	28.4	28.7	28.7	28.7	28.8	28.8	28.8	28.9	28.9	29.0	29.0	29.0	29.0	29.1	29.1	29.1	29.1	29.1	0.2%
Small Pickup	15.4	15.6	15.7	15.7	16.0	16.0	16.0	16.1	16.1	16.1	16.2	16.2	16.2	16.3	16.3	16.3	16.3	16.4	16.4	16.4	16.4	0.3%
Large Pickup	18.6	18.8	18.9	18.9	19.2	19.2	19.3	19.4	19.4	19.4	19.5	19.5	19.6	19.6	19.7	19.7	19.7	19.8	19.8	19.8	19.8	0.3%
Small Van	20.9	21.1	21.1	21.1	21.4	21.5	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.7	0.2%
Large Van	20.0	20.2	20.3	20.4	20.7	20.7	20.8	20.9	20.9	21.0	21.0	21.1	21.1	21.1	21.2	21.2	21.2	21.3	21.3	21.3	21.3	0.3%
Small Utility	21.6	21.8	21.8	21.9	22.2	22.3	22.3	22.3	22.3	22.4	22.4	22.4	22.5	22.5	22.5	22.5	22.6	22.6	22.6	22.6	22.6	0.2%
Large Utility	25.0	25.2	25.3	25.3	25.7	25.7	25.7	25.8	25.8	25.9	25.9	26.0	26.0	26.1	26.1	26.1	26.2	26.2	26.2	26.2	26.2	0.2%
Methanol																						
Mini-compact Cars	26.8	27.0	27.1	27.2	27.5	27.5	27.5	27.6	27.6	27.6	27.7	27.7	27.7	27.8	27.8	27.8	27.8	27.9	27.9	27.9	27.9	0.2%
Subcompact Cars	18.1	18.2	18.3	18.4	18.7	18.8	18.8	18.8	18.9	18.9	19.0	19.0	19.0	19.1	19.1	19.1	19.2	19.2	19.2	19.2	19.2	0.3%
Compact Cars	16.3	16.4	16.5	16.5	16.9	16.9	16.9	16.9	16.9	17.0	17.0	17.0	17.0	17.1	17.1	17.1	17.1	17.1	17.2	17.2	17.2	0.3%
Midsize Cars	20.8	20.9	21.0	21.0	21.3	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5	21.6	21.6	21.6	0.2%
Large Cars	25.9	26.1	26.1	26.1	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	0.1%
Two Seater Cars	28.5	28.7	28.8	28.8	29.1	29.1	29.2	29.2	29.2	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.4	29.4	29.4	29.4	0.1%
Small Pickup	15.7	15.9	15.9	16.0	16.3	16.3	16.3	16.3	16.3	16.4	16.4	16.4	16.4	16.4	16.4	16.5	16.5	16.5	16.5	16.5	16.5	0.3%
Large Pickup	18.6	18.8	18.8	18.8	19.1	19.2	19.2	19.2	19.3	19.3	19.3	19.3	19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.5	19.5	0.2%
Small Van	21.3	21.4	21.4	21.4	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.9	21.9	21.9	21.9	21.9	22.0	22.0	22.0	0.2%
Large Van	19.5	19.7	19.8	19.8	20.1	20.2	20.2	20.2	20.3	20.3	20.3	20.3	20.4	20.4	20.4	20.4	20.5	20.5	20.5	20.5	20.5	0.2%
Small Utility	22.1	22.3	22.3	22.4	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.9	22.9	22.9	22.9	22.9	0.2%
Large Utility	25.3	25.4	25.5	25.5	25.9	25.9	25.9	26.0	26.0	26.1	26.1	26.1	26.1	26.2	26.2	26.2	26.2	26.2	26.3	26.3	26.3	0.2%
Methanol Flex																						
Mini-compact Cars	27.0	27.1	27.2	27.3	27.6	27.7	27.7	27.7	27.8	27.8	27.9	27.9	27.9	28.0	28.0	28.0	28.0	28.1	28.1	28.1	28.1	0.2%
Subcompact Cars	18.2	18.3	18.4	18.5	18.8	18.9	18.9	18.9	19.0	19.0	19.1	19.1	19.2	19.2	19.2	19.3	19.3	19.3	19.3	19.4	19.4	0.3%
Compact Cars	16.4	16.5	16.6	16.6	17.0	17.0	17.0	17.0	17.0	17.1	17.1	17.1	17.2	17.2	17.2	17.2	17.3	17.3	17.3	17.3	17.3	0.3%
Midsize Cars	20.9	21.1	21.1	21.2	21.5	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.7	21.8	21.8	21.8	0.2%
Large Cars	26.1	26.3	26.3	26.3	26.6	26.6	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.8	26.8	26.8	0.1%
Two Seater Cars	28.7	28.9	28.9	29.0	29.3	29.3	29.4	29.4	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.6	29.6	29.6	29.6	29.6	29.6	0.2%
Small Pickup	15.9	16.0	16.1	16.1	16.4	16.4	16.5	16.5	16.5	16.5	16.6	16.6	16.6	16.6	16.6	16.6	16.7	16.7	16.7	16.7	16.7	0.3%
Large Pickup	18.8	19.0	19.0	19.0	19.3	19.4	19.4	19.5	19.5	19.5	19.5	19.5	19.6	19.6	19.6	19.6	19.7	19.7	19.7	19.7	19.7	0.2%
Small Van	21.5	21.6	21.6	21.6	21.9	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.1	22.1	22.1	22.1	22.1	22.2	22.2	22.2	0.2%
Large Van	19.7	19.9	20.0	20.0	20.3	20.4	20.4	20.4	20.5	20.5	20.6	20.6	20.6	20.6	20.6	20.7	20.7	20.7	20.7	20.7	20.8	0.3%
Small Utility	22.2	22.4	22.5	22.5	22.8	22.8	22.9	22.9	22.9	22.9	22.9	22.9	23.0	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.1	0.2%
Large Utility	25.5	25.6	25.7	25.7	26.1	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	26.5	26.5	26.5	0.2%

Table 57. New Light-Duty Vehicle Prices (2 of 4)
(Thousand 1990 Dollars)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Ethanol																						
Mini-compact Cars	26.8	27.0	27.1	27.2	27.5	27.5	27.5	27.6	27.6	27.7	27.7	27.7	27.8	27.8	27.8	27.9	27.9	27.9	27.9	27.9	28.0	0.2%
Subcompact Cars	18.1	18.2	18.3	18.4	18.7	18.8	18.8	18.8	18.9	18.9	19.0	19.0	19.1	19.1	19.1	19.2	19.2	19.2	19.2	19.2	19.3	0.3%
Compact Cars	16.3	16.4	16.5	16.5	16.9	16.9	16.9	16.9	16.9	17.0	17.0	17.0	17.1	17.1	17.1	17.1	17.1	17.2	17.2	17.2	17.2	0.3%
Midsize Cars	20.8	20.9	21.0	21.0	21.3	21.4	21.4	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.6	0.2%
Large Cars	25.9	26.1	26.1	26.1	26.4	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.6	26.6	26.6	26.6	0.1%
Two Seater Cars	28.6	28.7	28.8	28.9	29.2	29.2	29.2	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	0.2%
Small Pickup	15.7	15.9	15.9	16.0	16.3	16.3	16.3	16.3	16.4	16.4	16.4	16.4	16.4	16.4	16.5	16.5	16.5	16.5	16.5	16.6	16.6	0.3%
Large Pickup	18.6	18.8	18.8	18.9	19.2	19.2	19.2	19.3	19.3	19.3	19.3	19.3	19.4	19.4	19.4	19.4	19.4	19.5	19.5	19.5	19.5	0.2%
Small Van	21.3	21.5	21.5	21.5	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.9	21.9	21.9	21.9	21.9	21.9	22.0	22.0	22.0	22.0	0.2%
Large Van	19.6	19.7	19.8	19.8	20.1	20.2	20.2	20.3	20.3	20.3	20.4	20.4	20.4	20.4	20.4	20.5	20.5	20.5	20.5	20.5	20.5	0.2%
Small Utility	22.1	22.3	22.3	22.4	22.7	22.7	22.7	22.7	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.9	22.9	22.9	22.9	22.9	23.0	0.2%
Large Utility	25.3	25.4	25.5	25.6	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	26.3	26.3	26.3	26.3	0.2%
Ethanol Flex																						
Mini-compact Cars	27.0	27.1	27.2	27.3	27.6	27.7	27.7	27.7	27.8	27.8	27.9	27.9	27.9	28.0	28.0	28.0	28.1	28.1	28.1	28.1	28.1	0.2%
Subcompact Cars	18.2	18.3	18.4	18.5	18.8	18.9	18.9	18.9	19.0	19.0	19.1	19.1	19.2	19.2	19.2	19.3	19.3	19.3	19.4	19.4	19.4	0.3%
Compact Cars	16.4	16.5	16.6	16.6	17.0	17.0	17.0	17.0	17.1	17.1	17.1	17.2	17.2	17.2	17.2	17.3	17.3	17.3	17.3	17.3	17.3	0.3%
Midsize Cars	20.9	21.1	21.1	21.2	21.5	21.5	21.5	21.6	21.6	21.6	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.8	21.8	21.8	21.8	0.2%
Large Cars	26.1	26.3	26.3	26.3	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.8	26.8	26.8	26.8	26.8	0.1%
Two Seater Cars	28.7	28.9	29.0	29.0	29.3	29.4	29.4	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.6	29.6	29.6	29.6	29.6	29.6	29.6	0.2%
Small Pickup	15.2	15.5	15.5	15.5	15.8	15.9	15.9	15.9	15.9	15.9	16.0	16.0	16.0	16.0	16.0	16.1	16.1	16.1	16.1	16.1	16.1	0.3%
Large Pickup	17.9	18.2	18.2	18.2	18.5	18.6	18.6	18.6	18.7	18.7	18.7	18.8	18.8	18.8	18.8	18.9	18.9	18.9	18.9	18.9	18.9	0.3%
Small Van	20.3	20.5	20.5	20.5	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.9	20.9	20.9	20.9	20.9	20.9	0.2%
Large Van	19.7	19.9	20.0	20.0	20.3	20.4	20.4	20.4	20.5	20.5	20.6	20.6	20.6	20.6	20.7	20.7	20.7	20.7	20.7	20.8	20.8	0.3%
Small Utility	20.7	20.9	20.9	21.0	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	21.5	21.6	21.6	21.6	0.2%
Large Utility	24.0	24.2	24.3	24.3	24.6	24.7	24.7	24.7	24.7	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	0.2%
Compressed Natural Gas (CNG)																						
Mini-compact Cars	31.5	31.7	31.8	31.9	32.2	32.3	32.3	32.3	32.4	32.5	32.5	32.6	32.6	32.7	32.7	32.8	32.8	32.8	32.9	32.9	32.9	0.2%
Subcompact Cars	21.5	21.6	21.7	21.8	22.2	22.2	22.2	22.3	22.3	22.4	22.4	22.5	22.6	22.6	22.7	22.7	22.7	22.8	22.8	22.8	22.9	0.3%
Compact Cars	19.7	19.9	19.9	20.0	20.3	20.3	20.4	20.4	20.4	20.5	20.5	20.6	20.6	20.6	20.7	20.7	20.7	20.8	20.8	20.8	20.8	0.3%
Midsize Cars	24.4	24.6	24.7	24.7	25.0	25.1	25.0	25.0	25.1	25.1	25.2	25.2	25.2	25.2	25.3	25.2	25.3	25.3	25.5	25.5	25.5	0.2%
Large Cars	30.5	30.7	30.7	30.8	31.1	31.1	31.1	31.2	31.2	31.2	31.3	31.3	31.3	31.3	31.4	31.4	31.4	31.4	31.5	31.5	31.5	0.2%
Two Seater Cars	33.9	34.0	34.1	34.2	34.5	34.6	34.6	34.6	34.7	34.7	34.8	34.8	34.9	34.9	34.9	35.0	35.0	35.0	35.0	35.1	35.1	0.2%
Small Pickup	19.1	19.3	19.4	19.4	19.7	19.8	19.8	19.8	19.8	19.9	19.9	20.0	20.0	20.0	20.1	20.1	20.1	20.2	20.2	20.2	20.2	0.3%
Large Pickup	22.2	22.4	22.4	22.5	22.8	22.8	22.8	22.9	22.9	23.0	23.0	23.1	23.1	23.2	23.2	23.2	23.3	23.3	23.3	23.3	23.3	0.2%
Small Van	24.8	25.0	25.0	25.1	25.4	25.4	25.4	25.5	25.5	25.5	25.5	25.6	25.6	25.6	25.7	25.7	25.7	25.7	25.7	25.8	25.8	0.2%
Large Van	23.1	23.3	23.3	23.4	23.7	23.8	23.8	23.9	23.9	24.0	24.0	24.1	24.1	24.2	24.2	24.2	24.3	24.3	24.3	24.3	24.3	0.3%
Small Utility	25.5	25.7	25.8	25.8	26.1	26.2	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.2	26.2	26.2	0.1%
Large Utility	28.8	29.0	29.0	29.1	29.4	29.5	29.5	29.6	29.6	29.7	29.7	29.8	29.8	29.9	29.9	30.0	30.0	30.0	30.1	30.1	30.1	0.2%
CNG Bi-Fuel																						
Mini-compact Cars	31.4	31.6	31.7	31.8	32.1	32.2	32.2	32.2	32.3	32.4	32.4	32.5	32.6	32.6	32.7	32.7	32.8	32.8	32.9	32.9	32.9	0.2%
Subcompact Cars	21.4	21.6	21.6	21.8	22.1	22.1	22.2	22.2	22.3	22.3	22.4	22.5	22.5	22.6	22.6	22.7	22.7	22.8	22.8	22.8	22.9	0.3%
Compact Cars	19.6	19.8	19.8	19.9	20.2	20.3	20.3	20.3	20.4	20.4	20.5	20.5	20.5	20.6	20.6	20.7	20.7	20.7	20.8	20.8	20.8	0.3%
Midsize Cars	23.8	23.9	24.0	24.1	24.4	24.4	24.5	24.5	24.5	24.6	24.6	24.6	24.7	24.7	24.8	24.8	24.8	24.8	24.9	24.9	24.9	0.2%
Large Cars	29.9	30.1	30.2	30.2	30.6	30.6	30.6	30.7	30.7	30.7	30.8	30.8	30.9	30.9	30.9	31.0	31.0	31.0	31.0	31.1	31.1	0.2%
Two Seater Cars	33.7	33.9	34.0	34.1	34.4	34.5	34.5	34.5	34.6	34.6	34.7	34.7	34.8	34.8	34.9	34.9	35.0	35.0	35.0	35.1	35.1	0.2%
Small Pickup	18.4	18.6	18.6	18.7	19.0	19.0	19.0	19.1	19.1	19.2	19.2	19.2	19.3	19.3	19.4	19.4	19.5	19.5	19.5	19.5	19.6	0.3%
Large Pickup	20.8	21.0	21.0	21.1	21.4	21.4	21.5	21.5	21.6	21.6	21.7	21.7	21.8	21.8	21.8	21.9	21.9	22.0	22.0	22.0	22.0	0.3%
Small Van	24.1	24.2	24.3	24.3	24.6	24.7	24.7	24.7	24.8	24.8	24.8	24.9	24.9	25.0	25.0	25.0	25.1	25.1	25.1	25.1	25.2	0.2%
Large Van	21.7	21.9	21.9	22.0	22.3	22.4	22.4	22.5	22.5	22.6	22.6	22.7	22.7	22.8	22.8	22.9	22.9	23.0	23.0	23.0	23.0	0.3%
Small Utility	24.8	24.9	25.0	25.1	25.4	25.4	25.5	25.5	25.6	25.6	25.6	25.7	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.7	25.7	0.2%
Large Utility	27.5	27.7	27.8	27.8	28.2	28.2	28.3	28.3	28.4	28.4	28.5	28.5	28.6	28.6	28.7	28.7	28.8	28.7	28.7	28.7	28.7	0.2%

Table 57. New Light-Duty Vehicle Prices (3 of 4)
(Thousand 1990 Dollars)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Liquefied Petroleum Gas (LPG)																						
Mini-compact Cars	29.8	30.0	30.1	30.2	30.5	30.6	30.6	30.6	30.7	30.7	30.8	30.8	30.8	30.9	30.9	30.9	31.0	31.0	31.0	31.0	31.1	0.2%
Subcompact Cars	20.3	20.4	20.5	20.6	20.9	21.0	21.0	21.0	21.1	21.1	21.2	21.2	21.3	21.3	21.4	21.4	21.4	21.4	21.5	21.5	21.5	0.3%
Compact Cars	18.5	18.6	18.7	18.8	19.1	19.1	19.1	19.1	19.2	19.2	19.2	19.3	19.3	19.3	19.4	19.4	19.4	19.4	19.5	19.5	19.5	0.3%
Midsize Cars	23.7	23.9	23.9	24.0	24.3	24.3	24.3	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.6	0.2%
Large Cars	29.3	29.5	29.5	29.5	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	0.1%
Two Seater Cars	32.0	32.1	32.2	32.3	32.6	32.6	32.6	32.7	32.7	32.7	32.7	32.8	32.8	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.9	0.1%
Small Pickup	18.6	18.8	18.8	18.8	19.2	19.2	19.2	19.2	19.3	19.3	19.3	19.3	19.4	19.4	19.4	19.4	19.5	19.5	19.5	19.5	19.5	0.2%
Large Pickup	22.3	22.4	22.5	22.5	22.8	22.8	22.9	22.9	23.0	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.2	23.2	0.2%
Small Van	24.3	24.4	24.4	24.4	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	25.0	25.0	0.1%
Large Van	23.2	23.3	23.4	23.5	23.8	23.8	23.9	23.9	23.9	24.0	24.0	24.1	24.1	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.3	0.2%
Small Utility	25.0	25.1	25.2	25.3	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.5	25.5	25.5	25.5	25.4	25.4	25.4	25.4	25.3	25.3	0.1%
Large Utility	28.8	29.0	29.0	29.1	29.4	29.5	29.5	29.5	29.6	29.6	29.7	29.7	29.7	29.8	29.8	29.8	29.9	29.9	29.9	29.9	29.9	0.2%
LPG Bi-Fuel																						
Mini-compact Cars	29.7	29.8	29.9	30.1	30.4	30.4	30.4	30.5	30.5	30.6	30.6	30.7	30.7	30.8	30.8	30.9	30.9	30.9	31.0	31.0	31.0	0.2%
Subcompact Cars	20.1	20.3	20.4	20.5	20.8	20.9	20.9	20.9	21.0	21.0	21.1	21.1	21.2	21.2	21.3	21.3	21.4	21.4	21.4	21.5	21.5	0.3%
Compact Cars	18.4	18.5	18.6	18.6	19.0	19.0	19.0	19.0	19.1	19.1	19.2	19.2	19.2	19.3	19.3	19.3	19.3	19.4	19.4	19.4	19.4	0.3%
Midsize Cars	22.9	23.1	23.2	23.2	23.5	23.6	23.6	23.6	23.7	23.7	23.7	23.8	23.8	23.8	23.8	23.9	23.9	23.9	23.9	23.9	24.0	0.2%
Large Cars	28.7	28.9	28.9	28.9	29.3	29.3	29.3	29.3	29.3	29.4	29.4	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.6	0.2%
Two Seater Cars	31.8	32.0	32.0	32.1	32.4	32.5	32.5	32.5	32.6	32.6	32.7	32.7	32.7	32.8	32.8	32.8	32.8	32.9	32.9	32.9	32.9	0.2%
Small Pickup	17.7	17.9	18.0	18.0	18.3	18.4	18.4	18.4	18.4	18.5	18.5	18.5	18.6	18.6	18.6	18.7	18.7	18.7	18.7	18.8	18.8	0.3%
Large Pickup	20.7	20.9	20.9	20.9	21.2	21.3	21.3	21.4	21.4	21.4	21.5	21.5	21.6	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.8	0.2%
Small Van	23.4	23.6	23.6	23.6	23.9	24.0	24.0	24.0	24.0	24.1	24.1	24.1	24.1	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.3	0.2%
Large Van	21.6	21.8	21.8	21.9	22.2	22.3	22.3	22.3	22.4	22.4	22.5	22.5	22.6	22.6	22.6	22.7	22.7	22.7	22.8	22.8	22.8	0.3%
Small Utility	24.1	24.3	24.4	24.4	24.7	24.8	24.8	24.8	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.1	25.1	25.1	25.1	25.2	25.2	0.2%
Large Utility	27.3	27.5	27.6	27.6	28.0	28.0	28.0	28.1	28.1	28.2	28.2	28.3	28.3	28.4	28.4	28.4	28.5	28.5	28.5	28.5	28.6	0.2%
Electric																						
Mini-compact Cars	47.0	47.2	47.4	45.6	46.1	46.6	47.0	47.4	47.1	46.8	46.6	46.4	46.1	45.9	45.7	45.5	45.5	45.5	45.5	45.5	45.6	-0.2%
Subcompact Cars	34.3	34.5	34.7	33.2	33.7	34.1	34.5	34.8	34.6	34.4	34.2	34.0	33.8	33.6	33.4	33.2	33.2	33.2	33.2	33.3	33.3	-0.1%
Compact Cars	32.9	33.1	33.3	31.8	32.3	32.7	33.1	33.5	33.3	33.1	32.9	32.6	32.4	32.2	32.0	31.8	31.8	31.9	31.9	31.9	31.9	-0.2%
Midsize Cars	38.6	38.8	39.0	37.4	37.9	38.4	36.2	36.5	36.6	34.9	34.7	34.4	32.9	32.7	32.8	30.6	30.7	30.7	29.3	29.4	29.6	-1.3%
Large Cars	47.3	47.6	47.8	46.0	46.6	47.1	47.6	48.1	47.9	47.6	47.4	47.1	46.8	46.5	46.3	46.0	46.0	46.0	46.1	46.1	46.1	-0.1%
Two Seater Cars	50.8	51.0	51.2	49.4	49.9	50.4	50.8	51.2	51.0	50.7	50.5	50.2	50.0	49.8	49.5	49.3	49.3	49.3	49.3	49.4	49.4	-0.1%
Small Pickup	33.5	33.8	34.0	32.3	32.9	33.5	34.0	34.5	34.3	34.1	33.8	33.6	33.4	33.1	32.9	32.7	32.7	32.7	32.7	32.8	32.8	-0.1%
Large Pickup	39.2	39.5	39.9	37.6	38.4	39.1	39.8	40.5	40.2	39.9	39.6	39.3	39.0	38.7	38.4	38.1	38.1	38.2	38.2	38.2	38.3	-0.1%
Small Van	40.3	40.6	40.9	39.0	39.7	40.3	40.9	41.5	41.2	41.0	40.7	40.5	40.2	40.0	39.7	39.5	39.5	39.5	39.6	39.6	39.6	-0.1%
Large Van	40.6	40.9	41.2	38.8	39.6	40.3	41.0	41.6	41.3	41.0	40.7	40.4	40.1	39.8	39.5	39.2	39.2	39.2	39.3	39.3	39.3	-0.2%
Small Utility	40.7	41.0	41.3	39.2	39.9	40.5	41.0	41.6	41.4	40.4	40.2	40.0	38.5	38.4	38.4	36.2	36.3	36.4	35.1	35.2	35.4	-0.7%
Large Utility	46.8	47.1	47.4	44.8	45.6	46.4	47.1	47.7	47.4	47.1	46.8	46.5	46.2	45.9	45.5	45.2	45.3	45.3	45.4	45.4	45.4	-0.1%
Diesel-Electric Hybrid																						
Mini-compact Cars	33.4	33.6	33.7	31.4	31.6	31.6	31.6	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.4	31.4	31.5	31.5	31.5	31.5	31.5	-0.3%
Subcompact Cars	24.1	24.2	24.3	22.0	22.2	22.2	22.1	22.1	22.1	22.1	22.1	22.1	22.0	22.0	22.0	21.9	21.9	22.0	22.1	22.2	22.2	-0.4%
Compact Cars	22.0	22.2	22.2	19.3	19.5	19.3	18.8	18.8	18.7	18.6	18.6	18.5	18.4	18.4	18.3	18.2	18.2	18.3	18.4	18.4	18.5	-0.9%
Midsize Cars	27.6	27.8	27.9	23.4	23.6	23.3	22.8	22.8	22.7	22.7	22.6	22.6	22.5	22.4	22.3	22.2	22.2	22.3	22.5	22.5	22.5	-1.0%
Large Cars	33.9	34.0	34.1	31.1	31.3	31.3	30.7	30.7	30.6	30.5	30.4	30.3	30.2	30.1	30.0	29.9	29.9	29.9	30.1	30.2	30.2	-0.6%
Two Seater Cars	35.6	35.8	35.9	33.4	33.6	33.6	33.5	33.5	33.5	33.5	33.4	33.4	33.4	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.4	-0.3%
Small Pickup	22.9	23.0	23.1	20.3	20.6	20.5	20.4	20.4	20.3	20.3	20.3	20.2	20.2	20.1	20.1	20.1	20.1	20.1	20.1	20.1	20.1	-0.6%
Large Pickup	28.2	28.3	28.4	24.6	24.8	24.7	24.6	24.6	24.5	24.4	24.4	24.3	24.2	24.2	24.1	24.0	24.1	24.1	24.1	24.1	24.1	-0.8%
Small Van	29.3	29.5	29.5	26.3	26.5	26.3	25.7	25.7	25.5	25.4	25.3	25.2	25.1	25.0	24.9	24.7	24.7	24.7	24.9	24.9	25.0	-0.8%
Large Van	29.4	29.5	29.5	25.7	25.9	25.8	25.7	25.6	25.6	25.5	25.4	25.4	25.3	25.2	25.2	25.1	25.1	25.1	25.1	25.2	25.2	-0.8%
Small Utility	30.0	30.1	30.1	26.5	26.7	26.4	25.8	25.8	25.7	25.6	25.5	25.4	25.3	25.2	25.1	25.0	25.0	25.0	25.2	25.2	25.2	-0.9%
Large Utility	36.0	36.1	36.2	32.0	32.2	32.1	32.0	31.9	31.8	31.7	31.6	31.6	31.5	31.4	31.3	31.1	31.1	31.1	31.3	31.3	31.3	-0.7%

Table 57. New Light-Duty Vehicle Prices (4 of 4)
(Thousand 1990 Dollars)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Gasoline-Electric Hybrid																						
Mini-compact Cars	31.8	32.0	32.1	30.2	30.5	30.5	30.5	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.5	30.5	-0.2%
Subcompact Cars	22.7	22.8	22.9	20.7	21.0	20.8	20.5	20.5	20.5	20.5	20.5	20.5	20.4	20.4	20.4	20.4	20.4	20.5	20.7	20.7	20.8	-0.4%
Compact Cars	20.4	20.7	20.8	17.7	17.9	17.8	17.4	17.4	17.3	17.3	17.3	17.2	17.2	17.1	17.1	17.0	17.1	17.1	17.2	17.3	17.3	-0.8%
Midsize Cars	24.9	25.1	25.2	22.0	22.2	22.0	21.6	21.6	21.5	21.5	21.5	21.4	21.4	21.4	21.4	21.3	21.3	21.4	21.4	21.5	21.5	-0.7%
Large Cars	32.1	32.2	32.3	29.2	29.4	29.1	28.6	28.6	28.5	28.5	28.4	28.4	28.3	28.2	28.2	28.1	28.1	28.1	28.3	28.3	28.4	-0.6%
Two Seater Cars	33.9	34.0	34.1	32.1	32.4	32.3	32.3	32.3	32.3	32.3	32.2	32.2	32.2	32.2	32.2	32.1	32.2	32.2	32.2	32.2	32.2	-0.3%
Small Pickup	21.4	21.5	21.5	19.3	19.5	19.5	19.5	19.4	19.3	19.2	19.1	19.0	18.9	18.8	18.7	18.5	18.5	18.5	18.6	18.5	18.5	-0.7%
Large Pickup	26.3	26.4	26.5	23.4	23.6	23.6	23.5	23.4	23.4	23.3	23.3	23.2	23.0	22.9	22.8	22.5	22.5	22.5	22.6	22.6	22.6	-0.8%
Small Van	27.2	27.4	27.5	23.6	23.8	23.5	23.1	23.0	22.9	22.8	22.8	22.7	22.6	22.5	22.5	22.3	22.4	22.4	22.6	22.6	22.6	-0.9%
Large Van	27.4	27.5	27.6	24.4	24.7	24.6	24.5	24.5	24.4	24.4	24.3	24.3	24.2	24.2	24.1	24.1	24.1	24.1	24.1	24.1	24.2	-0.6%
Small Utility	27.5	27.7	27.8	24.1	24.3	24.0	23.6	23.5	23.5	23.4	23.3	23.3	23.2	23.1	23.1	23.0	23.0	23.0	23.2	23.2	23.2	-0.8%
Large Utility	33.9	34.0	34.1	30.0	30.1	29.8	29.3	29.2	29.1	29.0	28.9	28.8	28.6	28.6	28.5	28.3	28.4	28.4	28.6	28.6	28.6	-0.8%
Fuel Cell Methanol																						
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	75.5	68.8	62.9	57.8	53.4	49.7	46.5	43.7	41.3	39.3	37.5	36.0	34.8	33.6	32.7	31.9	N/A
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	62.9	56.8	51.5	47.0	43.0	39.6	36.7	34.2	32.0	30.1	28.5	27.1	25.9	24.8	23.9	23.2	N/A
Compact Cars	0.0	0.0	0.0	0.0	0.0	62.8	56.5	51.0	46.3	42.2	38.7	35.8	33.0	30.8	28.8	27.1	25.7	24.4	23.3	22.4	21.6	N/A
Midsize Cars	0.0	0.0	0.0	0.0	0.0	73.9	66.7	60.4	54.9	50.1	46.1	42.6	39.5	36.9	34.7	32.8	31.2	29.8	28.5	27.5	26.6	N/A
Large Cars	0.0	0.0	0.0	0.0	0.0	86.1	77.9	70.8	64.8	59.6	55.0	51.1	47.6	44.6	42.1	39.9	38.0	36.4	35.0	33.8	32.8	N/A
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	80.0	72.9	66.7	61.4	56.9	52.9	49.5	46.6	44.0	41.9	40.0	38.4	37.1	35.9	34.9	34.0	N/A
Small Pickup	0.0	0.0	0.0	0.0	0.0	73.7	65.9	59.2	53.5	48.5	44.2	40.4	37.1	34.2	31.7	29.6	27.7	26.1	24.7	23.5	22.5	N/A
Large Pickup	0.0	0.0	0.0	0.0	0.0	94.6	84.6	75.9	68.4	61.8	56.0	51.0	46.6	42.8	39.5	36.7	34.2	32.2	30.4	28.8	27.5	N/A
Small Van	0.0	0.0	0.0	0.0	0.0	87.5	78.7	71.1	64.5	58.8	53.8	49.5	45.8	42.5	39.7	37.2	35.0	33.2	31.6	30.3	29.1	N/A
Large Van	0.0	0.0	0.0	0.0	0.0	97.5	86.9	77.9	70.2	63.3	57.5	52.4	47.9	44.1	40.7	37.8	35.4	33.3	31.4	29.9	28.5	N/A
Small Utility	0.0	0.0	0.0	0.0	0.0	84.9	76.6	69.4	63.1	57.7	52.9	48.8	45.2	42.0	39.3	36.9	34.9	33.2	31.7	30.4	29.3	N/A
Large Utility	0.0	0.0	0.0	0.0	0.0	105.0	94.3	85.1	77.2	70.2	64.2	58.9	54.4	50.4	47.0	44.1	41.6	39.4	37.5	35.9	34.5	N/A
Fuel Cell Hydrogen																						
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	65.8	61.2	57.1	53.6	50.5	47.9	45.7	43.8	42.1	40.7	39.5	38.5	37.6	36.8	36.2	35.6	N/A
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	54.5	50.3	46.6	43.5	40.7	38.4	36.4	34.6	33.1	31.8	30.6	29.7	28.8	28.1	27.5	27.0	N/A
Compact Cars	0.0	0.0	0.0	0.0	0.0	53.9	49.5	45.7	42.5	39.6	37.2	35.1	33.3	31.7	30.4	29.2	28.2	27.3	26.6	25.9	25.4	N/A
Midsize Cars	0.0	0.0	0.0	0.0	0.0	63.0	57.9	53.6	49.8	46.5	43.7	41.2	39.1	37.3	35.8	34.5	33.3	32.3	31.5	30.8	30.2	N/A
Large Cars	0.0	0.0	0.0	0.0	0.0	73.1	67.4	62.5	58.3	54.7	51.5	48.8	46.4	44.3	42.5	41.0	39.7	38.6	37.6	36.8	36.1	N/A
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	69.5	64.6	60.3	56.6	53.5	50.7	48.4	46.3	44.6	43.1	41.8	40.7	39.8	38.9	38.2	37.7	N/A
Small Pickup	0.0	0.0	0.0	0.0	0.0	61.3	55.9	51.3	47.3	43.9	40.8	38.2	35.9	34.0	32.2	30.7	29.4	28.3	27.4	26.6	25.8	N/A
Large Pickup	0.0	0.0	0.0	0.0	0.0	76.7	69.8	63.7	58.5	53.9	50.0	46.5	43.4	40.8	38.5	36.6	34.9	33.4	32.2	31.1	30.2	N/A
Small Van	0.0	0.0	0.0	0.0	0.0	72.6	66.5	61.2	56.7	52.7	49.3	46.3	43.7	41.4	39.4	37.7	36.2	35.0	33.9	32.9	32.1	N/A
Large Van	0.0	0.0	0.0	0.0	0.0	79.0	71.7	65.4	60.0	55.3	51.3	47.7	44.6	42.0	39.6	37.7	36.0	34.5	33.2	32.1	31.2	N/A
Small Utility	0.0	0.0	0.0	0.0	0.0	71.0	65.2	60.2	55.9	52.2	48.8	46.0	43.5	41.3	39.4	37.8	36.4	35.2	34.2	33.3	32.5	N/A
Large Utility	0.0	0.0	0.0	0.0	0.0	86.0	78.6	72.2	66.7	61.9	57.7	54.1	50.9	48.2	45.8	43.8	42.0	40.5	39.2	38.1	37.1	N/A
Fuel Cell Gasoline																						
Mini-compact Cars	0.0	0.0	0.0	0.0	0.0	83.0	75.2	68.4	62.5	57.5	53.2	49.5	46.3	43.5	41.2	39.2	37.4	36.0	34.7	33.6	32.7	N/A
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	69.7	62.7	56.6	51.4	46.8	42.9	39.5	36.6	34.1	31.9	30.0	28.4	27.0	25.8	24.8	23.9	N/A
Compact Cars	0.0	0.0	0.0	0.0	0.0	69.8	62.6	56.2	50.8	46.1	42.1	38.5	35.5	32.9	30.6	28.7	27.0	25.6	24.3	23.3	22.4	N/A
Midsize Cars	0.0	0.0	0.0	0.0	0.0	82.0	73.7	66.4	60.1	54.6	49.9	45.9	42.4	39.4	36.8	34.6	32.7	31.1	29.7	28.5	27.4	N/A
Large Cars	0.0	0.0	0.0	0.0	0.0	95.3	85.8	77.6	70.6	64.7	59.4	54.8	50.8	47.4	44.5	41.9	39.8	37.9	36.3	34.9	33.7	N/A
Two Seater Cars	0.0	0.0	0.0	0.0	0.0	87.9	79.7	72.6	66.4	61.2	56.6	52.7	49.3	46.4	43.9	41.8	39.9	38.4	37.0	35.8	34.8	N/A
Small Pickup	0.0	0.0	0.0	0.0	0.0	82.5	73.5	65.8	59.2	53.5	48.4	44.1	40.3	37.0	34.1	31.6	29.5	27.6	26.0	24.7	23.5	N/A
Large Pickup	0.0	0.0	0.0	0.0	0.0	106.2	94.6	84.6	75.9	68.3	61.6	55.8	50.8	46.4	42.6	39.3	36.5	34.1	32.1	30.3	28.7	N/A
Small Van	0.0	0.0	0.0	0.0	0.0	97.6	87.4	78.6	71.1	64.5	58.7	53.8	49.4	45.7	42.4	39.5	37.1	35.0	33.1	31.6	30.2	N/A
Large Van	0.0	0.0	0.0	0.0	0.0	109.3	97.2	86.8	77.8	70.0	63.2	57.3	52.2	47.7	43.9	40.6	37.7	35.3	33.2	31.4	29.8	N/A
Small Utility	0.0	0.0	0.0	0.0	0.0	94.5	84.9	76.5	69.4	63.1	57.6	52.8	48.6	45.0	41.9	39.2	36.8	34.9	33.1	31.7	30.4	N/A
Large Utility	0.0	0.0	0.0	0.0	0.0	117.2	104.8	94.2	85.0	77.0	70.1	64.0	58.7	54.2	50.3	46.9	44.0	41.5	39.3	37.5	35.8	N/A

Sources: 2000 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, *AEO2002 National Energy Modeling System* run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 58. New Light-Duty Vehicle Range (1 of 4)
(Miles)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Gasoline																						
Mini-compact Cars	429	427	426	444	442	440	440	441	443	444	446	448	450	453	456	460	462	465	467	468	470	0.5%
Subcompact Cars	465	465	463	476	476	477	478	478	479	480	482	483	485	487	489	492	493	496	497	499	501	0.4%
Compact Cars	453	453	452	468	470	470	470	470	471	473	478	480	482	485	487	490	492	495	497	500	502	0.5%
Midsize Cars	459	461	461	475	473	474	475	475	477	479	481	483	484	487	490	493	495	498	500	503	505	0.5%
Large Cars	493	497	499	512	511	514	516	517	520	523	528	531	534	537	540	543	546	549	553	557	559	0.6%
Two Seater Cars	425	425	425	441	439	439	439	440	442	444	446	448	450	453	456	460	462	465	467	469	471	0.5%
Small Pickup	432	433	431	436	433	433	434	434	435	437	439	442	444	449	451	454	457	460	462	463	464	0.4%
Large Pickup	421	421	420	426	423	424	427	430	433	436	440	444	449	456	459	462	465	468	470	472	473	0.6%
Small Van	506	506	507	513	510	513	516	518	521	523	527	531	536	544	545	548	551	555	558	560	563	0.5%
Large Van	457	457	459	470	469	470	476	480	485	489	493	497	502	510	513	517	521	523	525	528	530	0.7%
Small Utility	404	405	406	419	417	418	419	420	422	424	427	431	434	439	441	444	447	450	452	454	456	0.6%
Large Utility	496	495	496	511	510	511	517	522	527	532	536	541	545	552	556	561	564	567	569	572	574	0.7%
Turbo Direct Injection Diesel																						
Mini-compact Cars	579	577	575	599	596	594	594	595	597	600	602	604	607	611	616	621	624	627	630	632	634	0.5%
Subcompact Cars	627	627	625	643	643	644	645	645	647	649	651	653	655	658	661	664	666	669	672	674	676	0.4%
Compact Cars	612	612	611	631	635	635	635	635	636	638	645	648	651	655	658	661	665	668	671	675	678	0.5%
Midsize Cars	620	623	622	641	639	640	641	642	644	646	649	651	654	658	662	666	669	672	676	679	682	0.5%
Large Cars	665	671	673	692	690	694	696	698	701	707	712	717	720	725	728	733	737	741	746	752	755	0.6%
Two Seater Cars	574	574	573	595	593	592	592	593	596	600	603	605	608	612	616	621	624	628	631	634	636	0.5%
Small Pickup	583	584	582	588	584	585	586	586	588	590	593	596	600	607	609	613	617	621	623	625	627	0.4%
Large Pickup	568	569	567	575	571	572	576	580	585	588	593	600	606	616	620	624	628	631	634	637	638	0.6%
Small Van	683	683	684	693	689	693	696	699	703	707	711	717	724	734	736	740	744	750	753	756	760	0.5%
Large Van	617	618	620	635	633	635	642	648	654	660	666	672	677	688	693	698	703	706	709	712	715	0.7%
Small Utility	546	547	548	566	563	564	565	567	569	572	577	581	585	592	596	600	604	607	610	612	615	0.6%
Large Utility	669	668	670	690	688	690	698	704	711	718	724	730	736	746	751	757	762	765	769	772	775	0.7%
Methanol																						
Mini-compact Cars	270	269	268	280	278	277	277	278	279	280	281	282	283	285	287	290	291	293	294	295	296	0.5%
Subcompact Cars	293	293	292	300	300	300	301	301	302	303	304	305	306	307	308	310	311	312	313	315	315	0.4%
Compact Cars	285	286	285	295	296	296	296	296	297	298	301	302	304	306	307	309	310	312	313	315	316	0.5%
Midsize Cars	289	291	290	299	298	299	299	299	300	302	303	304	305	307	309	311	312	314	315	317	318	0.5%
Large Cars	310	313	314	323	322	324	325	326	327	330	332	334	336	338	340	342	344	346	348	351	352	0.6%
Two Seater Cars	268	268	268	278	277	276	276	277	278	280	281	282	284	286	288	290	291	293	294	296	297	0.5%
Small Pickup	272	273	271	274	273	273	273	273	274	275	277	278	280	283	284	286	288	290	291	292	292	0.4%
Large Pickup	265	265	265	268	267	267	269	271	273	274	277	280	283	287	289	291	293	295	296	297	298	0.6%
Small Van	319	319	319	323	321	323	325	326	328	330	332	335	338	342	344	345	347	350	352	353	355	0.5%
Large Van	288	288	289	296	296	296	300	302	305	308	311	313	316	321	323	326	328	330	331	332	334	0.7%
Small Utility	255	255	256	264	263	263	264	264	266	267	269	271	273	276	278	280	282	283	284	286	287	0.6%
Large Utility	312	312	313	322	321	322	326	329	332	335	338	341	344	348	350	353	355	357	359	360	362	0.7%
Methanol Flex																						
Mini-compact Cars	244	244	243	253	252	251	251	251	252	253	254	255	256	258	260	262	263	265	266	267	268	0.5%
Subcompact Cars	265	265	264	271	272	272	272	272	273	274	275	276	276	278	279	280	281	282	284	285	285	0.4%
Compact Cars	258	258	258	267	268	268	268	268	269	269	273	274	275	276	278	279	281	282	283	285	286	0.5%
Midsize Cars	262	263	263	271	270	270	271	271	272	273	274	275	276	278	279	281	282	284	285	287	288	0.5%
Large Cars	281	283	284	292	291	293	294	295	296	298	301	303	304	306	308	309	311	313	315	317	319	0.6%
Two Seater Cars	242	242	242	251	250	250	250	251	252	253	254	255	257	258	260	262	263	265	266	268	269	0.5%
Small Pickup	246	247	246	248	247	247	247	247	248	249	250	252	253	256	257	259	261	262	263	264	265	0.4%
Large Pickup	240	240	240	243	241	242	243	245	247	248	251	253	256	260	262	264	265	267	268	269	269	0.6%
Small Van	288	288	289	293	291	292	294	295	297	298	300	303	306	310	311	312	314	317	318	319	321	0.5%
Large Van	261	261	262	268	267	268	271	273	276	279	281	284	286	290	292	295	297	298	300	301	302	0.7%
Small Utility	230	231	231	239	238	238	239	239	240	242	244	246	247	250	252	253	255	256	257	259	260	0.6%
Large Utility	282	282	283	291	290	292	295	297	300	303	305	308	311	315	317	320	322	323	325	326	327	0.7%

Table 58. New Light-Duty Vehicle Range (2 of 4)
(Miles)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Ethanol																						
Mini-compact Cars	326	325	324	337	336	335	334	335	336	338	339	340	342	344	347	349	351	353	355	356	357	0.5%
Subcompact Cars	353	353	352	362	362	362	363	363	364	365	367	367	369	370	372	374	375	377	378	379	381	0.4%
Compact Cars	344	345	344	355	358	357	358	358	358	359	363	365	366	369	370	372	374	376	378	380	381	0.5%
Midsize Cars	349	351	350	361	360	360	361	361	362	364	365	367	368	370	372	375	376	378	380	382	384	0.5%
Large Cars	374	378	379	389	389	390	392	393	395	398	401	404	406	408	410	412	415	417	420	423	425	0.6%
Two Seater Cars	323	323	323	335	334	333	333	334	336	338	339	341	342	345	347	349	351	353	355	357	358	0.5%
Small Pickup	328	329	327	331	329	329	330	330	331	332	334	336	338	342	343	345	347	350	351	352	353	0.4%
Large Pickup	320	320	319	324	322	322	324	327	329	331	334	338	341	347	349	351	354	355	357	358	359	0.6%
Small Van	385	385	385	390	388	390	392	393	396	398	400	404	408	413	414	416	419	422	424	426	428	0.5%
Large Van	347	348	349	357	357	358	361	365	368	371	375	378	381	387	390	393	396	398	399	401	402	0.7%
Small Utility	307	308	308	319	317	317	318	319	320	322	325	327	330	334	336	338	340	342	343	345	346	0.6%
Large Utility	377	376	377	388	387	389	393	396	400	404	407	411	414	420	423	426	429	431	433	435	436	0.7%
Ethanol Flex																						
Mini-compact Cars	313	312	311	324	322	321	321	322	323	324	326	327	328	331	333	336	337	339	341	342	343	0.5%
Subcompact Cars	339	339	338	348	348	348	349	349	350	351	352	353	354	356	357	359	360	362	363	365	366	0.4%
Compact Cars	331	331	330	341	343	343	343	343	344	345	349	350	352	354	356	358	359	361	363	365	366	0.5%
Midsize Cars	335	337	337	347	345	346	346	347	348	349	351	352	354	356	358	360	362	363	365	367	369	0.5%
Large Cars	360	363	364	374	373	375	377	377	379	382	385	388	390	392	394	396	398	401	404	406	408	0.6%
Two Seater Cars	311	310	310	322	321	320	320	321	322	324	326	327	329	331	333	336	337	339	341	343	344	0.5%
Small Pickup	315	316	315	318	316	316	317	317	318	319	320	322	324	328	330	332	334	336	337	338	339	0.4%
Large Pickup	307	307	307	311	309	310	312	314	316	318	321	324	328	333	335	338	340	341	343	344	345	0.6%
Small Van	369	369	370	375	373	375	376	378	380	382	384	388	391	397	398	400	402	405	407	409	411	0.5%
Large Van	334	334	335	343	343	343	347	350	354	357	360	363	366	372	375	377	380	382	384	385	387	0.7%
Small Utility	295	296	296	306	304	305	306	306	308	309	312	314	317	320	322	324	327	328	330	331	333	0.6%
Large Utility	362	361	362	373	372	373	377	381	384	388	391	395	398	403	406	409	412	414	416	417	419	0.7%
Compressed Natural Gas (CNG)																						
Mini-compact Cars	257	256	255	266	265	264	264	264	266	267	268	269	270	272	274	276	277	279	280	281	282	0.5%
Subcompact Cars	279	279	278	286	286	286	287	287	287	288	289	290	291	292	294	295	296	297	298	300	300	0.4%
Compact Cars	272	272	271	281	282	282	282	282	283	284	287	288	289	291	292	294	295	297	298	300	301	0.5%
Midsize Cars	275	277	277	285	284	284	285	285	286	287	289	290	291	292	294	296	297	299	300	302	303	0.5%
Large Cars	296	298	299	307	307	308	310	310	312	314	317	319	320	322	324	326	327	330	332	334	336	0.6%
Two Seater Cars	255	255	255	265	264	263	263	264	265	267	268	269	270	272	274	276	277	279	280	282	283	0.5%
Small Pickup	259	260	259	261	260	260	260	260	261	262	263	265	267	270	271	272	274	276	277	278	279	0.4%
Large Pickup	253	253	252	255	254	254	256	258	260	261	264	266	269	274	275	277	279	281	282	283	284	0.6%
Small Van	304	304	304	308	306	308	309	311	313	314	316	319	322	326	327	329	331	333	335	336	338	0.5%
Large Van	274	274	275	282	282	282	285	288	291	293	296	298	301	306	308	310	312	314	315	317	318	0.7%
Small Utility	243	243	243	252	250	251	251	252	253	254	256	258	260	263	265	267	268	270	271	272	273	0.6%
Large Utility	297	297	298	307	306	307	310	313	316	319	322	324	327	331	334	336	339	340	342	343	344	0.7%
CNG Bi-Fuel																						
Mini-compact Cars	214	214	213	222	221	220	220	220	221	222	223	224	225	226	228	230	231	232	233	234	235	0.5%
Subcompact Cars	232	232	231	238	238	238	239	239	240	240	241	242	242	244	245	246	247	248	249	250	250	0.4%
Compact Cars	227	227	226	234	235	235	235	235	236	236	239	240	241	242	244	245	246	247	249	250	251	0.5%
Midsize Cars	229	231	231	237	237	237	237	238	238	239	240	241	242	244	245	246	248	249	250	251	252	0.5%
Large Cars	246	248	249	256	256	257	258	258	260	262	264	265	267	268	270	271	273	275	276	278	280	0.6%
Two Seater Cars	213	213	212	220	220	219	219	220	221	222	223	224	225	227	228	230	231	232	234	235	236	0.5%
Small Pickup	216	216	215	218	216	217	217	217	218	219	220	221	222	225	226	227	229	230	231	232	232	0.4%
Large Pickup	211	211	210	213	212	212	213	215	216	218	220	222	224	228	229	231	233	234	235	236	236	0.6%
Small Van	253	253	253	257	255	257	258	259	260	262	263	266	268	272	273	274	276	278	279	280	282	0.5%
Large Van	229	229	229	235	235	235	238	240	242	244	247	249	251	255	257	259	260	262	263	264	265	0.7%
Small Utility	202	203	203	210	208	209	209	210	211	212	214	215	217	219	221	222	224	225	226	227	228	0.6%
Large Utility	248	247	248	255	255	256	258	261	263	266	268	270	273	276	278	280	282	283	285	286	287	0.7%

Table 58. New Light-Duty Vehicle Range (3 of 4)
(Miles)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Liquefied Petroleum Gas (LPG)																						
Mini-compact Cars	365	363	362	377	375	374	374	375	376	378	379	381	382	385	388	391	393	395	397	398	399	0.5%
Subcompact Cars	395	395	394	405	405	405	406	406	407	408	410	411	412	414	416	418	419	421	423	424	426	0.4%
Compact Cars	385	385	385	397	400	400	400	400	400	402	406	408	410	412	414	416	418	421	423	425	427	0.5%
Midsize Cars	390	392	392	404	402	403	403	404	405	407	409	410	412	414	417	419	421	423	425	428	429	0.5%
Large Cars	419	422	424	435	435	437	438	439	442	445	449	451	454	456	459	461	464	467	470	473	476	0.6%
Two Seater Cars	362	362	361	375	373	373	373	374	375	378	379	381	383	385	388	391	393	395	397	399	401	0.5%
Small Pickup	367	368	366	370	368	368	369	369	370	371	373	375	378	382	384	386	388	391	393	394	395	0.4%
Large Pickup	358	358	357	362	360	360	363	365	368	370	374	377	382	388	390	393	396	397	399	401	402	0.6%
Small Van	430	430	431	436	434	436	438	440	443	445	448	451	456	462	464	466	468	472	474	476	479	0.5%
Large Van	388	389	390	400	399	400	404	408	412	415	419	423	427	433	436	439	442	445	447	449	450	0.7%
Small Utility	344	344	345	356	354	355	356	357	358	360	363	366	369	373	375	378	380	382	384	386	387	0.6%
Large Utility	421	421	422	434	433	435	439	443	448	452	456	460	464	470	473	477	480	482	484	486	488	0.7%
LPG Bi-Fuel																						
Mini-compact Cars	343	342	341	355	353	352	352	353	354	356	357	358	360	362	365	368	370	372	373	374	376	0.5%
Subcompact Cars	372	372	370	381	381	381	382	382	383	384	386	387	388	390	391	393	395	396	398	399	401	0.4%
Compact Cars	362	363	362	374	376	376	376	376	377	378	382	384	386	388	390	392	394	396	398	400	402	0.5%
Midsize Cars	367	369	369	380	378	379	380	380	381	383	385	386	388	390	392	394	396	398	400	402	404	0.5%
Large Cars	394	397	399	410	409	411	413	414	416	419	422	425	427	429	432	434	437	439	442	445	448	0.6%
Two Seater Cars	340	340	340	353	351	351	351	352	353	355	357	359	360	363	365	368	370	372	374	375	377	0.5%
Small Pickup	346	346	345	349	346	347	347	347	348	350	351	353	356	360	361	363	366	368	369	371	371	0.4%
Large Pickup	337	337	336	341	339	339	341	344	346	349	352	355	359	365	367	370	372	374	376	377	378	0.6%
Small Van	405	405	405	411	408	411	413	414	417	419	421	425	429	435	436	438	441	444	446	448	450	0.5%
Large Van	366	366	367	376	375	376	380	384	388	391	395	398	401	408	410	414	416	418	420	422	424	0.7%
Small Utility	323	324	325	335	334	334	335	336	337	339	342	345	347	351	353	356	358	360	361	363	365	0.6%
Large Utility	396	396	397	409	408	409	414	417	421	425	429	432	436	442	445	449	451	454	456	458	459	0.7%
Electric																						
Mini-compact Cars	80	80	80	80	80	80	80	80	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	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	80	80	80	80	80	80	80	80	N/A
Midsize Cars	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Large Cars	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Two Seater Cars	80	80	80	80	80	80	80	80	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	80	80	80	80	80	80	80	80	N/A
Large Pickup	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Small Van	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Large Van	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Small Utility	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Large Utility	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	N/A
Diesel-Electric Hybrid																						
Mini-compact Cars	557	556	553	577	574	572	572	573	575	578	580	582	585	589	593	598	601	604	607	608	611	0.5%
Subcompact Cars	604	604	602	619	619	620	621	621	623	625	627	628	630	634	636	639	641	644	647	649	651	0.4%
Compact Cars	589	590	588	608	612	611	612	612	613	614	622	624	627	630	633	637	640	643	647	650	653	0.5%
Midsize Cars	597	600	599	617	615	616	617	618	620	622	625	627	630	634	637	641	644	647	651	654	656	0.5%
Large Cars	641	646	648	666	665	668	671	672	675	681	686	690	694	698	701	705	710	714	719	724	727	0.6%
Two Seater Cars	553	553	552	573	571	570	570	571	574	577	580	583	585	590	593	598	601	604	607	610	613	0.5%
Small Pickup	562	562	560	566	563	563	564	564	566	568	571	574	578	584	587	590	594	598	600	602	603	0.4%
Large Pickup	547	548	546	554	550	551	555	559	563	566	571	577	584	593	597	601	605	608	611	613	614	0.6%
Small Van	658	658	659	668	663	667	670	673	677	680	685	690	697	707	709	712	716	722	725	728	732	0.5%
Large Van	594	595	597	611	610	612	618	624	630	635	641	647	652	663	667	672	677	680	683	686	688	0.7%
Small Utility	525	527	527	545	542	543	544	546	548	551	555	560	564	571	574	578	582	585	587	590	593	0.6%
Large Utility	644	643	645	664	663	665	672	678	685	691	697	703	709	718	723	729	734	737	740	743	746	0.7%

Table 58. New Light-Duty Vehicle Range (4 of 4)
(Miles)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Gasoline-Electric Hybrid																						
Mini-compact Cars	536	534	532	555	552	550	550	551	553	556	558	560	562	566	570	575	577	581	583	585	587	0.5%
Subcompact Cars	581	581	579	595	596	596	597	597	599	601	603	604	606	609	612	614	617	619	622	624	626	0.4%
Compact Cars	566	567	565	585	588	588	588	588	589	591	598	600	602	606	609	612	615	618	622	625	627	0.5%
Midsize Cars	574	576	576	594	591	592	593	594	596	598	601	603	606	609	613	616	619	622	626	629	631	0.5%
Large Cars	616	621	623	640	639	642	645	646	649	654	660	664	667	671	674	678	682	687	691	696	699	0.6%
Two Seater Cars	532	532	531	551	549	548	548	549	552	555	558	560	563	567	570	575	578	581	584	587	589	0.5%
Small Pickup	540	541	539	545	541	541	542	543	544	546	549	552	555	562	564	568	571	575	577	579	580	0.4%
Large Pickup	526	526	525	532	529	530	534	537	541	545	549	555	561	570	574	578	582	585	587	590	591	0.6%
Small Van	633	632	633	642	638	641	645	647	651	654	658	664	670	680	682	685	689	694	698	700	704	0.5%
Large Van	571	572	574	588	587	588	594	600	606	611	616	622	627	637	641	646	651	654	657	660	662	0.7%
Small Utility	505	506	507	524	521	522	523	525	527	530	534	538	542	549	552	556	559	562	564	567	570	0.6%
Large Utility	619	618	620	639	637	639	646	652	658	664	670	676	682	690	695	701	705	709	712	715	718	0.7%
Fuel Cell Methanol																						
Mini-compact Cars	429	427	426	444	442	440	440	441	443	444	446	448	450	453	456	460	462	465	467	468	470	0.5%
Subcompact Cars	465	465	463	476	476	477	478	478	479	480	482	483	485	487	489	492	493	496	497	499	501	0.4%
Compact Cars	453	453	452	468	470	470	470	470	471	473	478	480	482	485	487	490	492	495	497	500	502	0.5%
Midsize Cars	459	461	461	475	473	474	475	475	477	479	481	483	484	487	490	493	495	498	500	503	505	0.5%
Large Cars	493	497	499	512	511	514	516	517	520	523	528	531	534	537	540	543	546	549	553	557	559	0.6%
Two Seater Cars	425	425	425	441	439	439	439	440	442	444	446	448	450	453	456	460	462	465	467	469	471	0.5%
Small Pickup	432	433	431	436	433	433	434	434	435	437	439	442	444	449	451	454	457	460	462	463	464	0.4%
Large Pickup	421	421	420	426	423	424	427	430	433	436	440	444	449	456	459	462	465	468	470	472	473	0.6%
Small Van	506	506	507	513	510	513	516	518	521	523	527	531	536	544	545	548	551	555	558	560	563	0.5%
Large Van	457	457	459	470	469	470	476	480	485	489	493	497	502	510	513	517	521	523	525	528	530	0.7%
Small Utility	404	405	406	419	417	418	419	420	422	424	427	431	434	439	441	444	447	450	452	454	456	0.6%
Large Utility	496	495	496	511	510	511	517	522	527	532	536	541	545	552	556	561	564	567	569	572	574	0.7%
Fuel Cell Hydrogen																						
Mini-compact Cars	429	427	426	444	442	440	440	441	443	444	446	448	450	453	456	460	462	465	467	468	470	0.5%
Subcompact Cars	465	465	463	476	476	477	478	478	479	480	482	483	485	487	489	492	493	496	497	499	501	0.4%
Compact Cars	453	453	452	468	470	470	470	470	471	473	478	480	482	485	487	490	492	495	497	500	502	0.5%
Midsize Cars	459	461	461	475	473	474	475	475	477	479	481	483	484	487	490	493	495	498	500	503	505	0.5%
Large Cars	493	497	499	512	511	514	516	517	520	523	528	531	534	537	540	543	546	549	553	557	559	0.6%
Two Seater Cars	425	425	425	441	439	439	439	440	442	444	446	448	450	453	456	460	462	465	467	469	471	0.5%
Small Pickup	432	433	431	436	433	433	434	434	435	437	439	442	444	449	451	454	457	460	462	463	464	0.4%
Large Pickup	421	421	420	426	423	424	427	430	433	436	440	444	449	456	459	462	465	468	470	472	473	0.6%
Small Van	506	506	507	513	510	513	516	518	521	523	527	531	536	544	545	548	551	555	558	560	563	0.5%
Large Van	457	457	459	470	469	470	476	480	485	489	493	497	502	510	513	517	521	523	525	528	530	0.7%
Small Utility	404	405	406	419	417	418	419	420	422	424	427	431	434	439	441	444	447	450	452	454	456	0.6%
Large Utility	496	495	496	511	510	511	517	522	527	532	536	541	545	552	556	561	564	567	569	572	574	0.7%
Fuel Cell Gasoline																						
Mini-compact Cars	429	427	426	444	442	440	440	441	443	444	446	448	450	453	456	460	462	465	467	468	470	0.5%
Subcompact Cars	465	465	463	476	476	477	478	478	479	480	482	483	485	487	489	492	493	496	497	499	501	0.4%
Compact Cars	453	453	452	468	470	470	470	470	471	473	478	480	482	485	487	490	492	495	497	500	502	0.5%
Midsize Cars	459	461	461	475	473	474	475	475	477	479	481	483	484	487	490	493	495	498	500	503	505	0.5%
Large Cars	493	497	499	512	511	514	516	517	520	523	528	531	534	537	540	543	546	549	553	557	559	0.6%
Two Seater Cars	425	425	425	441	439	439	439	440	442	444	446	448	450	453	456	460	462	465	467	469	471	0.5%
Small Pickup	432	433	431	436	433	433	434	434	435	437	439	442	444	449	451	454	457	460	462	463	464	0.4%
Large Pickup	421	421	420	426	423	424	427	430	433	436	440	444	449	456	459	462	465	468	470	472	473	0.6%
Small Van	506	506	507	513	510	513	516	518	521	523	527	531	536	544	545	548	551	555	558	560	563	0.5%
Large Van	457	457	459	470	469	470	476	480	485	489	493	497	502	510	513	517	521	523	525	528	530	0.7%
Small Utility	404	405	406	419	417	418	419	420	422	424	427	431	434	439	441	444	447	450	452	454	456	0.6%
Large Utility	496	495	496	511	510	511	517	522	527	532	536	541	545	552	556	561	564	567	569	572	574	0.7%

Sources: 2000 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, AEO2002 National Energy Modeling System run aeo2002.d102001b. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 59. Electric Power Projections for Electricity Market Module Region (1 of 3)
East Central Area Reliability Coordination Agreement

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generating Capacity 1/																						
(gigawatts)																						
Coal Steam	83.84	83.84	83.84	83.83	83.66	83.10	81.30	81.30	81.30	81.28	81.21	81.21	81.21	81.21	81.21	81.21	81.21	81.21	81.21	81.21	81.21	-0.2%
Other Fossil Steam 2/	3.73	3.75	3.75	3.75	3.75	3.75	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	-0.2%
Combined Cycle	0.47	0.47	0.47	0.47	2.59	3.85	5.78	7.66	9.33	11.24	12.45	14.24	15.77	16.45	18.22	19.65	20.55	21.62	22.78	23.94	24.87	22.0%
Combustion Turbine/Diesel	9.67	10.07	11.97	13.38	13.63	14.74	16.78	17.48	17.45	17.59	17.71	17.82	17.88	18.58	18.77	18.88	19.06	19.42	19.76	20.38	21.31	4.0%
Nuclear Power	7.58	7.58	7.58	7.58	7.58	7.58	7.58	5.95	5.95	5.95	5.95	5.95	5.95	5.95	5.95	5.95	5.95	5.14	5.14	5.14	5.14	-1.9%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	1.51	1.54	1.54	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.61	1.61	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	0.00	0.00	0.00	0.03	0.07	0.11	0.14	0.23	N/A
Total Capability	110.17	110.61	112.52	113.96	116.16	117.96	120.00	120.94	122.58	124.61	125.87	127.76	129.36	130.73	132.69	134.24	135.35	136.01	137.54	139.38	141.32	1.3%
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combustion Turbine/Diesel	0.00	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	0.39	0.39	0.39	0.39	0.39	0.39	0.39	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	0.00	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	0.03	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	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	0.43	0.43	0.43	0.43	0.43	0.43	0.43	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	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	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	2.12	3.38	5.31	7.19	8.86	10.77	11.98	13.78	15.31	15.98	17.75	19.19	20.08	21.15	22.31	23.47	24.40	N/A
Combustion Turbine/Diesel	0.00	0.00	2.00	3.77	4.02	5.33	7.37	8.10	8.10	8.24	8.37	8.47	8.54	9.23	9.42	9.53	9.71	10.08	10.42	11.03	11.96	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	N/A
Total Unplanned Additions	0.00	0.00	2.00	3.77	6.14	8.71	12.69	15.29	16.96	19.01	20.35	22.24	23.84	25.21	27.17	28.72	29.83	31.30	32.83	34.66	36.61	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	0.00	0.00	0.00	0.03	0.07	0.11	0.14	0.23	N/A
Cumulative Total Additions	0.00	0.43	2.43	4.19	6.57	9.14	13.12	15.72	17.39	19.44	20.78	22.67	24.27	25.64	27.60	29.15	30.26	31.73	33.26	35.09	37.04	N/A
Cumulative Retirements 7/																						
Coal Steam	0.00	0.00	0.00	0.00	0.16	0.72	2.52	2.52	2.52	2.54	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	N/A
Other Fossil Steam 3/	0.00	0.00	0.00	0.00	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	0.15	0.15	0.15	0.15	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	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	0.10	0.45	0.45	0.66	0.66	0.69	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
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	2.44	2.44	2.44	2.44	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	0.00	0.00	0.10	0.45	0.61	1.38	3.33	4.99	5.02	5.04	5.11	5.11	5.11	5.11	5.11	5.11	5.11	5.92	5.92	5.92	5.92	N/A
Cogenerators 8/																						
Capability																						
Coal	1.42	1.42	1.42	1.42	1.42	1.42	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.40	1.40	1.40	1.40	1.40	-0.1%
Petroleum	0.04	0.04	0.04	0.04	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	0.03	0.03	0.03	0.03	-0.2%
Natural Gas	2.83	3.39	3.40	3.44	3.50	3.54	3.59	3.63	3.68	3.72	3.77	3.82	3.87	3.92	3.97	4.02	4.08	4.13	4.20	4.26	4.33	2.1%
Other Gaseous Fuels	0.02	0.02	0.02	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	0.04	0.04	0.04	0.04	0.05	4.4%
Renewable Sources 4/	0.14	0.14	0.14	0.14	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.19	0.20	0.20	0.21	0.21	0.21	2.3%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	4.44	5.00	5.02	5.07	5.12	5.18	5.23	5.28	5.32	5.37	5.42	5.47	5.53	5.58	5.64	5.70	5.76	5.82	5.88	5.95	6.02	1.5%

Table 59. Electric Power Projections for Electricity Market Module Region (2 of 3)
East Central Area Reliability Coordination Agreement

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Demand																						
(billion kilowatthours)																						
Residential	158.61	166.08	170.96	176.87	180.33	183.62	185.64	187.81	190.14	192.79	195.49	198.06	200.70	203.49	206.53	209.78	212.53	215.26	217.99	221.00	224.08	1.7%
Commercial/Other	139.81	144.97	148.11	152.13	155.73	158.91	162.12	165.10	167.80	170.37	172.86	175.26	177.68	180.24	183.01	185.67	188.14	190.49	192.71	195.11	197.57	1.7%
Industrial	217.00	206.17	208.17	213.33	217.97	223.15	227.58	232.66	236.65	240.55	245.53	250.63	253.88	257.02	260.07	263.10	265.96	269.02	272.36	275.40	277.78	1.2%
Transportation	2.30	2.36	2.41	2.72	3.01	3.28	3.51	3.72	3.93	4.14	4.35	4.55	4.75	4.94	5.13	5.21	5.16	5.09	5.01	4.92	4.82	3.8%
Total Sales	517.73	519.58	529.65	545.04	557.03	568.97	578.85	589.29	598.52	607.86	618.23	628.51	637.01	645.69	654.73	663.76	671.78	679.86	688.07	696.42	704.25	1.6%
Net Energy for Load (billion kilowatthours) 7/																						
Gross International Imports	3.92	2.56	1.91	7.10	7.97	7.90	6.96	6.43	6.44	6.29	6.02	6.09	6.07	6.06	5.79	6.01	5.61	5.14	4.96	4.75	2.78	-1.7%
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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.4%
Gross Interregional Electricity Imports	5.85	5.81	5.77	5.62	5.60	5.60	5.60	5.60	5.60	5.60	5.04	4.48	3.92	3.36	2.80	2.24	1.68	1.18	0.70	0.41	0.28	-14.0%
Gross Interregional Electricity Exports	59.39	55.47	65.90	74.40	79.20	81.04	82.95	82.21	82.61	82.81	83.39	85.20	87.39	87.10	87.91	87.76	86.57	84.58	85.46	85.74	85.79	1.9%
Purchases from Cogenerators 8/	14.18	15.00	17.68	17.73	17.97	17.92	17.79	17.75	17.75	17.89	17.99	18.09	18.30	18.45	18.63	18.56	18.85	19.12	19.34	19.63	19.76	1.7%
Utility Generation for Customers	588.60	587.19	605.79	625.02	641.04	655.32	668.40	678.95	688.76	698.49	710.39	722.98	734.06	742.93	753.53	762.86	770.90	778.20	788.15	797.49	807.78	1.6%
Total Net Energy for Load	553.13	555.04	565.21	581.03	593.34	605.66	615.75	626.46	635.90	645.41	656.00	666.39	674.92	683.66	692.80	701.86	710.42	719.01	727.66	736.49	744.77	1.5%
Generation by Fuel Type																						
(billion kilowatthours)																						
Coal	506.79	509.08	512.80	530.42	539.09	549.44	553.71	568.17	571.88	574.99	577.93	578.81	581.44	584.38	586.68	587.60	589.94	592.10	593.11	593.73	594.29	0.8%
Petroleum	4.62	1.97	1.21	1.24	1.05	0.86	0.69	0.69	0.70	0.69	0.71	0.73	0.74	0.74	0.73	0.73	0.79	0.81	0.83	0.82	0.84	-8.2%
Natural Gas	17.87	16.44	31.57	32.61	39.48	43.41	52.71	59.63	67.48	74.06	81.63	93.25	101.63	108.11	117.04	124.89	132.02	142.71	151.63	160.28	169.94	11.9%
Nuclear	55.99	56.75	56.36	56.52	56.64	56.76	56.88	45.99	44.17	44.29	44.40	44.52	44.64	44.76	44.86	44.91	44.96	39.37	39.37	39.37	39.37	-1.7%
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	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	N/A
Renewable Sources 4/	4.66	4.73	5.69	6.08	6.63	6.71	6.25	6.31	6.37	6.32	7.57	7.51	7.47	6.79	6.07	6.58	5.02	5.02	5.01	5.08	5.08	0.4%
Total Generation	589.91	588.95	607.62	626.86	642.89	657.16	670.23	680.79	690.60	700.33	712.23	724.81	735.90	744.77	755.37	764.70	772.74	780.03	790.00	799.33	809.62	1.6%
Sales to Customers	588.60	587.19	605.79	625.02	641.04	655.32	668.40	678.95	688.76	698.49	710.39	722.98	734.06	742.93	753.53	762.86	770.90	778.20	788.15	797.49	807.78	1.6%
Generation for Own Use	1.31	1.76	1.83	1.84	1.85	1.85	1.83	1.84	1.84	1.84	1.84	1.83	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.7%
Cogenerators																						
Coal	7.33	7.25	7.42	7.54	7.66	7.82	7.98	8.11	8.08	8.07	7.99	7.99	7.99	8.03	8.06	8.02	8.07	8.07	8.06	8.05	8.04	0.5%
Petroleum	0.35	0.35	0.35	0.39	0.39	0.39	0.39	0.39	0.40	0.40	0.40	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.43	0.43	0.44	1.1%
Natural Gas	13.67	14.75	17.24	17.23	17.40	17.23	16.94	16.77	16.79	16.94	17.13	17.23	17.44	17.56	17.69	17.67	17.93	18.20	18.45	18.74	18.91	1.6%
Other Gaseous Fuels	0.28	0.28	0.28	0.43	0.43	0.44	0.45	0.45	0.46	0.47	0.48	0.49	0.50	0.52	0.53	0.53	0.54	0.55	0.57	0.59	0.61	3.9%
Renewable Sources 4/	1.92	1.91	1.92	2.01	2.08	2.17	2.25	2.34	2.34	2.39	2.44	2.54	2.61	2.68	2.74	2.80	2.87	2.93	2.99	3.04	3.09	2.4%
Other	0.92	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.1%
Total	24.47	25.48	28.15	28.53	28.89	28.97	28.95	28.99	29.00	29.20	29.37	29.58	29.88	30.12	30.37	30.37	30.76	31.10	31.42	31.79	32.02	1.4%
Sales to Utilities	14.18	15.00	17.68	17.73	17.97	17.92	17.79	17.75	17.75	17.89	17.99	18.09	18.30	18.45	18.63	18.56	18.85	19.12	19.34	19.63	19.76	1.7%
Generation for Own Use	10.29	10.48	10.47	10.79	10.92	11.04	11.16	11.25	11.25	11.31	11.39	11.49	11.59	11.67	11.74	11.81	11.91	11.99	12.08	12.16	12.26	0.9%
End-Use Prices																						
(2000 cents per kilowatthour)																						
Residential	7.6	7.4	7.0	6.9	6.8	6.6	7.0	6.9	6.9	6.8	6.7	6.8	6.7	6.7	6.7	6.7	6.7	6.8	6.9	6.8	6.8	-0.5%
Commercial	7.0	6.8	6.6	6.7	6.7	6.7	6.5	6.5	6.4	6.3	6.3	6.4	6.4	6.4	6.3	6.3	6.4	6.6	6.6	6.6	6.7	-0.3%
Industrial	4.4	4.2	4.1	4.2	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.4	4.5	4.6	4.6	4.6	0.3%
Transportation	6.7	6.2	6.0	5.6	5.4	5.2	5.0	5.1	5.2	5.3	5.3	5.5	5.5	5.5	5.6	5.6	5.5	5.5	5.4	5.4	5.3	-1.2%
All Sectors Average	6.1	5.9	5.8	5.8	5.8	5.7	5.7	5.7	5.7	5.8	5.6	5.7	5.6	5.7	5.6	5.6	5.7	5.8	5.9	5.9	5.9	-0.2%

Table 59. Electric Power Projections for Electricity Market Module Region (3 of 3)
East Central Area Reliability Coordination Agreement

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Prices by Service Category																						
(2000 cents/kilowatthour)																						
Generation	3.9	3.8	3.7	3.7	3.7	3.6	3.7	3.6	3.6	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.8	3.9	3.9	3.9	0.0%
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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	-0.3%
Distribution	1.7	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	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-0.6%
Fuel Consumption (quadrillion Btu) 9/																						
Coal	5.15	5.18	5.21	5.40	5.48	5.61	5.66	5.81	5.85	5.89	5.92	5.93	5.96	5.99	6.02	6.03	6.05	6.08	6.09	6.10	6.11	0.9%
Natural Gas	0.21	0.19	0.37	0.38	0.40	0.42	0.47	0.51	0.56	0.59	0.65	0.72	0.78	0.83	0.88	0.93	0.98	1.05	1.12	1.18	1.25	9.3%
Oil	0.05	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-8.7%
Total	5.42	5.40	5.59	5.79	5.89	6.03	6.14	6.32	6.42	6.49	6.58	6.66	6.75	6.82	6.90	6.96	7.04	7.14	7.22	7.28	7.36	1.5%
Emissions (million tons) 10/																						
Total Carbon	149.62	148.82	152.21	157.66	160.28	163.86	166.14	170.91	172.93	174.48	176.36	177.85	179.59	181.28	182.89	183.98	185.57	187.63	189.00	190.22	191.67	1.2%
Carbon Dioxide	548.59	545.66	558.11	578.10	587.69	600.84	609.19	626.68	634.06	639.75	646.67	652.10	658.50	664.69	670.61	674.58	680.41	687.98	693.02	697.46	702.80	1.2%
Sulfur Dioxide	3.23	3.20	3.38	3.25	3.11	2.93	2.87	2.77	2.76	2.73	2.60	2.38	2.35	2.36	2.36	2.36	2.36	2.35	2.33	2.27	2.28	-1.7%
Nitrogen Oxide	1.16	1.16	1.18	1.22	0.89	0.90	0.91	0.93	0.94	0.94	0.95	0.95	0.96	0.96	0.96	0.96	0.97	0.97	0.97	0.97	0.97	-0.9%

1/ Net summer capability 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-860B, "Annual Electric Generator Report - Nonutility." 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 capability.

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, 2000.

7/ Generation to meet system load by source.

8/ Cogenerators produce 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 cogenerators).

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: 2000 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001).

Other 2000 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, February 2001) and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 60. Electric Power Projections for Electricity Market Module Region (1 of 3)
Electric Reliability Council of Texas

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generating Capacity 1/																						
(gigawatts)																						
Coal Steam	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	N/A
Other Fossil Steam 2/	29.95	29.91	29.83	29.55	29.30	28.77	27.07	24.86	22.95	22.88	22.88	22.79	22.79	22.69	22.69	22.53	22.53	22.53	22.53	22.53	22.31	-1.5%
Combined Cycle	4.01	4.01	3.98	3.98	5.04	5.91	6.74	10.42	13.20	15.28	16.54	17.76	18.07	18.73	19.76	20.47	21.01	21.50	21.96	22.50	23.07	9.1%
Combustion Turbine/Diesel	3.12	3.12	4.40	4.77	5.13	5.54	8.77	9.67	10.51	10.86	11.22	11.30	11.45	11.74	11.92	12.02	12.09	12.15	12.20	12.31	12.39	7.1%
Nuclear Power	4.80	4.80	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	0.77	2.00	2.16	2.30	2.43	2.57	2.64	2.72	2.79	2.87	2.89	2.91	2.93	2.95	2.97	2.99	3.01	3.04	3.06	3.08	3.10	7.2%
Distributed Generation 5/	0.00	0.00	0.00	0.06	0.10	0.15	0.23	0.32	0.56	0.79	1.02	1.09	1.16	1.23	1.31	1.42	1.55	1.76	1.96	2.15	2.33	N/A
Total Capability	57.90	59.08	60.43	60.72	62.06	63.00	65.52	68.05	70.06	72.74	74.62	75.91	76.46	77.40	78.72	79.50	80.25	81.04	81.77	82.64	83.25	1.8%
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	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	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	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	0.00	1.22	1.39	1.53	1.66	1.80	1.87	1.95	2.02	2.10	2.12	2.14	2.16	2.18	2.20	2.22	2.24	2.26	2.29	2.31	2.33	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	1.22	1.39	1.53	1.66	1.80	1.87	1.95	2.02	2.10	2.12	2.14	2.16	2.18	2.20	2.22	2.24	2.26	2.29	2.31	2.33	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	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	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	1.06	1.94	2.77	6.45	9.22	11.31	12.57	13.79	14.09	14.75	15.78	16.50	17.03	17.53	17.99	18.53	19.09	N/A
Combustion Turbine/Diesel	0.00	0.00	1.28	2.08	2.43	2.86	6.10	6.99	7.88	8.23	8.60	8.67	8.82	9.11	9.30	9.39	9.46	9.52	9.57	9.69	9.76	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Unplanned Additions	0.00	0.00	1.28	2.14	3.59	4.94	9.10	13.76	17.66	20.33	22.18	23.55	24.07	25.10	26.39	27.31	28.04	28.81	29.52	30.37	31.18	N/A
Distributed Generation 5/	0.00	0.00	0.00	0.06	0.10	0.15	0.23	0.32	0.56	0.79	1.02	1.09	1.16	1.23	1.31	1.42	1.55	1.76	1.96	2.15	2.33	N/A
Cumulative Total Additions	0.00	1.22	2.67	3.67	5.26	6.74	10.97	15.70	19.68	22.43	24.30	25.69	26.23	27.28	28.60	29.53	30.29	31.07	31.80	32.67	33.51	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	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	0.07	0.35	0.60	1.13	2.84	5.05	6.96	7.02	7.02	7.12	7.12	7.22	7.22	7.38	7.38	7.38	7.38	7.38	7.60	N/A
Combined Cycle	0.00	0.00	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	0.04	0.04	0.04	0.04	0.04	0.04	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.43	0.43	0.44	0.44	0.44	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
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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	0.00	0.00	0.11	0.82	1.07	1.61	3.32	5.53	7.49	7.55	7.55	7.64	7.64	7.74	7.74	7.90	7.90	7.90	7.90	7.90	8.12	N/A
Cogenerators 8/																						
Capability																						
Coal	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	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	-0.1%
Petroleum	0.35	0.35	0.35	0.35	0.35	0.35	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	0.34	0.34	-0.1%
Natural Gas	9.33	9.59	9.66	9.84	10.09	10.32	10.55	10.75	10.95	11.16	11.38	11.62	11.85	12.08	12.32	12.58	12.86	13.12	13.42	13.71	14.04	2.1%
Other Gaseous Fuels	0.10	0.10	0.10	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.20	0.21	0.22	0.22	0.23	4.4%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	10.06	10.32	10.39	10.62	10.87	11.10	11.34	11.54	11.74	11.95	12.18	12.42	12.66	12.90	13.14	13.41	13.68	13.95	14.25	14.56	14.89	2.0%

Table 60. Electric Power Projections for Electricity Market Module Region (2 of 3)
Electric Reliability Council of Texas

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Demand																						
(billion kilowatthours)																						
Residential	100.55	103.06	105.51	109.15	111.36	113.36	114.90	116.17	117.64	119.42	121.43	123.49	125.45	127.46	129.63	131.96	134.04	136.24	138.47	140.85	143.15	1.8%
Commercial/Other	83.57	83.45	85.11	88.14	90.88	93.18	95.56	98.09	100.65	103.33	106.07	108.74	111.03	113.09	115.00	116.63	118.00	119.25	120.27	121.37	122.42	1.9%
Industrial	83.98	80.17	80.86	84.23	86.43	88.61	90.97	94.14	95.19	96.90	99.65	102.34	103.98	105.42	107.01	108.51	109.78	111.08	112.51	113.90	115.17	1.6%
Transportation	0.98	1.01	1.04	1.17	1.30	1.42	1.53	1.63	1.73	1.83	1.93	2.03	2.13	2.23	2.33	2.38	2.37	2.36	2.34	2.31	2.28	4.3%
Total Sales	269.07	267.68	272.52	282.69	289.97	296.56	302.96	310.03	315.20	321.48	329.09	336.61	342.59	348.20	353.97	359.47	364.19	368.92	373.60	378.43	383.01	1.8%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Gross International Exports	0.30	0.33	0.36	0.39	0.42	0.45	0.49	0.53	0.57	0.62	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	4.0%
Gross Interregional Electricity Imports	3.63	3.48	2.64	2.93	3.02	3.16	3.49	3.66	3.05	3.07	2.93	2.66	2.63	2.55	2.38	2.06	1.87	1.98	1.83	1.70	1.76	-3.6%
Gross Interregional Electricity Exports	2.87	3.13	3.11	2.52	2.27	2.05	2.26	2.09	2.25	2.63	2.55	2.61	2.44	2.74	2.64	2.68	2.50	2.19	1.46	1.21	1.00	-5.1%
Purchases from Cogenerators 8/	30.60	31.27	31.30	31.93	32.29	32.65	32.55	32.54	32.63	32.99	33.51	34.04	34.65	35.22	35.87	36.60	37.35	38.05	38.88	39.73	40.64	1.4%
Utility Generation for Customers	255.23	253.35	259.08	268.22	274.96	281.02	287.64	294.54	300.58	306.99	314.60	322.05	327.56	333.10	338.35	343.57	347.80	351.67	355.19	359.30	362.94	1.8%
Total Net Energy for Load	286.28	284.65	289.56	300.17	307.58	314.34	320.93	328.12	333.45	339.81	347.81	355.48	361.74	367.46	373.29	378.87	383.85	388.84	393.76	398.84	403.67	1.7%
Generation by Fuel Type																						
(billion kilowatthours)																						
Coal	110.88	109.62	107.95	109.61	111.04	111.79	112.52	113.23	113.23	112.92	112.73	112.74	112.74	112.93	113.23	112.83	113.22	113.23	113.23	113.25	113.23	0.1%
Petroleum	0.29	2.91	0.22	0.13	0.12	0.12	0.10	0.08	0.07	0.04	0.05	0.05	0.05	0.07	0.05	0.04	0.06	0.05	0.06	0.07	0.06	-7.4%
Natural Gas	104.74	99.17	106.06	114.85	119.72	124.58	130.11	136.00	141.67	147.54	155.03	162.32	167.66	172.82	178.11	183.06	187.18	190.82	194.11	197.98	201.43	3.3%
Nuclear	39.10	39.48	40.84	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	1.30	3.68	5.52	5.95	6.38	6.81	7.15	7.43	7.71	8.48	8.68	8.81	8.95	9.08	8.72	9.36	8.99	9.13	9.26	9.40	9.53	10.5%
Total Generation	256.31	254.86	260.59	269.73	276.47	282.54	289.15	296.05	302.09	308.51	316.11	323.56	329.07	334.61	339.87	345.08	349.31	353.18	356.70	360.81	364.45	1.8%
Sales to Customers	255.23	253.35	259.08	268.22	274.96	281.02	287.64	294.54	300.58	306.99	314.60	322.05	327.56	333.10	338.35	343.57	347.80	351.67	355.19	359.30	362.94	1.8%
Generation for Own Use	1.08	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.7%
Cogenerators																						
Coal	2.86	2.86	2.86	2.84	2.83	2.83	2.82	2.81	2.79	2.78	2.78	2.77	2.77	2.76	2.76	2.75	2.75	2.74	2.74	2.73	2.73	-0.2%
Petroleum	0.20	0.20	0.20	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.24	1.1%
Natural Gas	56.35	59.02	59.32	62.09	63.98	65.72	66.96	68.06	69.23	70.69	72.41	74.17	75.97	77.72	79.53	81.58	83.73	85.77	88.02	90.30	92.85	2.5%
Other Gaseous Fuels	0.16	0.16	0.16	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.27	0.27	0.28	0.29	0.29	0.30	0.30	0.31	0.32	0.33	0.34	3.9%
Renewable Sources 4/	0.18	0.18	0.18	0.19	0.19	0.20	0.21	0.22	0.22	0.23	0.23	0.24	0.25	0.25	0.26	0.27	0.27	0.28	0.28	0.29	0.29	2.5%
Other	0.63	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.1%
Total	60.38	63.06	63.36	66.22	68.11	69.86	71.10	72.20	73.36	74.82	76.55	78.33	80.14	81.90	83.72	85.77	87.93	89.98	92.24	94.54	97.10	2.4%
Sales to Utilities	30.60	31.27	31.30	31.93	32.29	32.65	32.55	32.54	32.63	32.99	33.51	34.04	34.65	35.22	35.87	36.60	37.35	38.05	38.88	39.73	40.64	1.4%
Generation for Own Use	29.78	31.79	32.06	34.29	35.82	37.21	38.55	39.66	40.72	41.83	43.04	44.29	45.49	46.68	47.85	49.17	50.58	51.93	53.37	54.81	56.46	3.3%
End-Use Prices																						
(2000 cents per kilowatthour)																						
Residential	7.9	7.7	7.1	7.0	7.1	7.1	6.8	7.0	6.9	6.7	6.6	6.6	6.7	6.7	6.7	6.8	6.9	7.0	7.1	7.1	7.3	-0.4%
Commercial	7.0	7.2	6.7	6.5	6.6	6.8	6.5	6.3	6.1	5.8	5.7	5.6	5.7	5.8	5.8	5.9	5.9	6.1	6.2	6.3	6.5	-0.4%
Industrial	4.1	4.3	4.1	4.0	4.2	4.4	4.3	4.1	4.0	3.9	3.9	3.9	4.0	4.1	4.1	4.1	4.2	4.3	4.4	4.5	4.6	0.6%
Transportation	6.2	6.5	6.1	5.5	5.4	5.4	5.3	5.2	5.2	5.2	5.3	5.4	5.5	5.6	5.6	5.6	5.6	5.6	5.7	5.7	5.7	-0.4%
All Sectors Average	6.4	6.5	6.1	6.0	6.1	6.2	6.0	5.9	5.8	5.6	5.5	5.5	5.6	5.6	5.6	5.7	5.8	5.8	6.0	6.1	6.2	-0.2%

Table 60. Electric Power Projections for Electricity Market Module Region (3 of 3)
Electric Reliability Council of Texas

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Prices by Service Category																						
(2000 cents/kilowatthour)																						
Generation	4.5	4.7	4.3	4.1	4.2	4.4	4.1	4.0	3.9	3.6	3.6	3.5	3.7	3.7	3.7	3.8	3.9	4.0	4.1	4.2	4.4	-0.2%
Transmission	0.5	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4%
Distribution	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.4	1.4	1.3	1.3	1.3	-0.3%
Fuel Consumption (quadrillion Btu) 9/																						
Coal	1.17	1.16	1.14	1.15	1.17	1.18	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	1.19	1.19	0.1%
Natural Gas	1.05	0.96	1.04	1.13	1.15	1.18	1.22	1.19	1.19	1.20	1.25	1.29	1.33	1.37	1.39	1.43	1.45	1.48	1.50	1.52	1.54	2.0%
Oil	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-7.6%
Total	2.22	2.15	2.18	2.28	2.32	2.36	2.40	2.39	2.38	2.39	2.43	2.48	2.52	2.56	2.59	2.61	2.65	2.67	2.69	2.72	2.74	1.1%
Emissions (million tons) 10/																						
Total Carbon	50.40	49.14	49.16	50.98	51.76	52.45	53.25	53.10	53.03	53.15	53.85	54.55	55.20	55.78	56.29	56.67	57.24	57.64	58.01	58.42	58.75	0.8%
Carbon Dioxide	184.80	180.17	180.25	186.93	189.79	192.31	195.24	194.71	194.45	194.88	197.45	200.02	202.40	204.52	206.41	207.80	209.90	211.35	212.69	214.21	215.43	0.8%
Sulfur Dioxide	0.35	0.40	0.38	0.35	0.35	0.38	0.42	0.40	0.39	0.38	0.38	0.30	0.30	0.30	0.31	0.31	0.30	0.33	0.33	0.36	0.38	0.4%
Nitrogen Oxide	0.27	0.27	0.27	0.28	0.28	0.27	0.27	0.26	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	-0.6%

1/ Net summer capability 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-860B, "Annual Electric Generator Report - Nonutility." 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 capability.

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, 2000.

7/ Generation to meet system load by source.

8/ Cogenerators produce 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 cogenerators).

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: 2000 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001).

Other 2000 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, February 2001) and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 61. Electric Power Projections for Electricity Market Module Region (1 of 3)
Mid-Atlantic Area Council

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generating Capacity 1/																						
(gigawatts)																						
Coal Steam	19.19	18.99	18.99	18.99	18.99	18.95	18.95	18.95	18.95	18.95	18.95	18.95	18.95	18.95	18.95	18.95	18.95	18.95	18.95	19.10	19.10	0.0%
Other Fossil Steam 2/	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	N/A
Combined Cycle	1.87	2.47	2.47	2.47	3.45	3.57	4.86	6.01	7.11	7.55	7.81	8.53	9.10	9.58	10.27	10.88	11.49	12.04	12.60	12.99	13.45	10.4%
Combustion Turbine/Diesel	8.82	8.82	9.96	10.76	10.68	11.71	11.86	12.31	12.37	12.54	12.87	12.87	12.87	13.55	13.89	14.38	14.56	14.85	14.85	14.85	14.85	2.6%
Nuclear Power	12.98	12.98	13.03	13.03	13.03	13.03	13.03	11.92	11.92	11.92	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30	-0.7%
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	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	N/A
Fuel Cells	0.00	0.00	0.01	0.03	0.04	0.06	0.07	0.09	0.11	0.13	0.16	0.18	0.21	0.22	0.23	0.24	0.25	0.25	0.25	0.25	0.25	N/A
Renewable Sources 4/	1.76	1.81	1.88	1.95	2.02	2.09	2.16	2.22	2.28	2.33	2.39	2.44	2.49	2.55	2.60	2.66	2.71	2.71	2.71	2.71	2.71	2.2%
Distributed Generation 5/	0.00	0.00	0.00	0.04	0.11	0.31	0.55	0.79	1.00	1.20	1.39	1.58	1.76	1.94	2.12	2.30	2.48	2.65	2.82	2.98	3.12	N/A
Total Capability	54.09	54.54	55.82	56.74	57.79	59.18	60.94	61.75	63.20	64.09	64.33	65.32	66.16	67.56	68.84	70.17	71.21	72.22	72.95	73.65	74.26	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combined Cycle	0.00	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cells	0.00	0.00	0.01	0.03	0.04	0.06	0.07	0.09	0.11	0.13	0.16	0.18	0.21	0.22	0.23	0.24	0.25	0.25	0.25	0.25	0.25	N/A
Renewable Sources 4/	0.00	0.05	0.12	0.19	0.26	0.33	0.40	0.46	0.52	0.57	0.62	0.68	0.73	0.79	0.84	0.89	0.95	0.95	0.95	0.95	0.95	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	0.65	0.74	0.82	0.91	0.99	1.07	1.15	1.23	1.31	1.39	1.47	1.54	1.61	1.67	1.74	1.80	1.80	1.80	1.80	1.80	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	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.15	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	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	0.97	1.09	2.39	3.54	4.63	5.08	5.34	6.05	6.63	7.11	7.80	8.40	9.02	9.57	10.13	10.51	10.98	N/A
Combustion Turbine/Diesel	0.00	0.00	1.14	1.94	2.25	3.28	3.43	3.89	3.94	4.11	4.45	4.45	4.45	5.12	5.47	5.95	6.14	6.43	6.43	6.43	6.43	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Unplanned Additions	0.00	0.00	1.14	1.98	3.33	4.68	6.37	8.21	9.58	10.39	11.17	12.08	12.84	14.17	15.39	16.66	17.63	18.64	19.37	20.07	20.68	N/A
Distributed Generation 5/	0.00	0.00	0.00	0.04	0.11	0.31	0.55	0.79	1.00	1.20	1.39	1.58	1.76	1.94	2.12	2.30	2.48	2.65	2.82	2.98	3.12	N/A
Cumulative Total Additions	0.00	0.65	1.88	2.80	4.24	5.67	7.44	9.36	10.81	11.70	12.56	13.55	14.38	15.78	17.06	18.40	19.44	20.45	21.18	21.88	22.49	N/A
Cumulative Retirements 7/																						
Coal Steam	0.00	0.20	0.20	0.20	0.20	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	0.24	0.24	0.24	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	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	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	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	N/A
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	1.11	1.11	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	1.73	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	0.00	0.20	0.20	0.20	0.59	0.64	0.64	1.74	1.74	1.74	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.96	2.36	N/A
Cogenerators 8/																						
Capability																						
Coal	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	1.10	1.10	1.10	1.10	1.10	1.09	1.09	1.09	0.0%
Petroleum	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.47	0.47	0.47	-0.1%
Natural Gas	3.04	3.07	3.07	3.09	3.12	3.14	3.16	3.18	3.20	3.23	3.25	3.27	3.30	3.32	3.35	3.37	3.40	3.43	3.46	3.49	3.52	0.7%
Other Gaseous Fuels	0.13	0.13	0.13	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.23	0.24	0.24	0.25	0.26	0.26	0.27	0.27	0.28	0.29	0.30	4.4%
Renewable Sources 4/	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.1%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	4.84	4.87	4.87	4.96	4.99	5.01	5.04	5.06	5.09	5.11	5.14	5.17	5.20	5.23	5.26	5.30	5.33	5.36	5.40	5.44	5.48	0.6%

Table 61. Electric Power Projections for Electricity Market Module Region (2 of 3)
Mid-Atlantic Area Council

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Demand																						
(billion kilowatthours)																						
Residential	83.46	86.82	89.48	92.61	94.20	95.61	96.74	97.85	98.93	99.95	100.91	101.89	102.98	104.17	105.47	106.80	107.87	109.05	110.25	111.55	112.85	1.5%
Commercial/Other	103.29	106.99	109.22	112.58	115.60	118.37	121.25	124.06	126.82	129.53	132.19	134.84	137.48	140.12	142.68	144.83	146.74	148.58	150.37	152.11	153.76	2.0%
Industrial	58.18	55.16	55.76	56.37	57.55	58.71	59.53	60.52	61.57	62.67	63.98	65.32	66.11	67.01	67.80	68.64	69.45	70.24	71.04	71.79	72.34	1.1%
Transportation	1.38	1.41	1.44	1.62	1.80	1.96	2.09	2.22	2.34	2.46	2.58	2.70	2.82	2.93	3.04	3.09	3.06	3.02	2.97	2.92	2.86	3.7%
Total Sales	246.30	250.38	255.90	263.19	269.15	274.64	279.61	284.65	289.66	294.61	299.66	304.76	309.39	314.24	318.98	323.36	327.12	330.89	334.63	338.37	341.81	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Gross Interregional Electricity Imports	38.52	35.08	38.73	38.24	38.43	38.79	37.04	39.92	40.63	42.26	44.26	42.52	42.90	42.36	42.14	42.64	44.28	43.65	43.70	44.62	45.78	0.9%
Gross Interregional Electricity Exports	17.29	15.62	16.95	15.41	16.84	16.32	17.29	16.82	16.34	15.44	13.92	12.87	12.14	12.21	11.86	14.11	14.66	14.56	14.76	15.31	15.69	-0.5%
Purchases from Cogenerators 8/	18.46	18.37	18.27	18.48	18.63	18.72	18.81	18.90	18.98	19.06	19.15	19.26	19.37	19.48	19.60	19.72	19.84	19.96	20.11	20.26	20.42	0.5%
Utility Generation for Customers	225.64	231.59	235.16	241.54	248.78	253.52	261.34	263.08	266.95	269.46	271.10	276.90	280.35	285.84	290.42	296.35	299.11	303.57	307.43	310.84	313.67	1.7%
Total Net Energy for Load	265.32	269.42	275.22	282.85	289.00	294.71	299.89	305.08	310.22	315.35	320.59	325.80	330.49	335.47	340.30	344.60	348.56	352.63	356.49	360.41	364.17	1.6%
Generation by Fuel Type																						
(billion kilowatthours)																						
Coal	110.68	112.06	115.01	119.30	122.53	126.39	130.90	135.34	135.40	135.81	136.59	136.43	136.63	137.09	137.25	137.75	137.86	138.05	138.23	139.48	139.68	1.2%
Petroleum	5.65	7.36	1.41	1.30	1.04	0.81	0.76	0.60	0.53	0.47	0.51	0.54	0.56	0.56	0.53	0.55	0.55	0.57	0.58	0.59	0.64	-10.3%
Natural Gas	7.44	9.59	14.13	15.55	19.20	19.90	23.21	28.08	31.26	33.06	37.84	43.45	46.38	51.10	55.24	60.34	62.68	66.77	70.38	72.45	74.98	12.2%
Nuclear	101.88	103.04	103.73	102.70	102.75	102.80	102.84	95.10	95.10	95.10	90.82	90.82	90.82	90.82	90.82	90.82	90.82	90.82	90.82	90.82	90.82	-0.6%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	8.22	7.73	9.05	10.90	11.50	11.82	11.75	12.03	12.64	12.91	13.14	13.36	13.60	13.83	14.06	14.30	14.52	14.61	14.61	14.61	14.60	2.9%
Total Generation	233.88	239.77	243.33	249.77	257.06	261.84	269.71	271.49	275.36	277.87	279.51	285.31	288.76	294.25	298.83	304.76	307.52	311.98	315.84	319.25	322.08	1.6%
Sales to Customers	225.64	231.59	235.16	241.54	248.78	253.52	261.34	263.08	266.95	269.46	271.10	276.90	280.35	285.84	290.42	296.35	299.11	303.57	307.43	310.84	313.67	1.7%
Generation for Own Use	8.24	8.18	8.17	8.23	8.28	8.32	8.37	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	0.1%
Cogenerators																						
Coal	5.83	5.74	5.60	5.63	5.70	5.70	5.71	5.72	5.70	5.69	5.68	5.67	5.67	5.67	5.67	5.67	5.66	5.66	5.66	5.66	5.66	-0.1%
Petroleum	0.99	1.03	0.99	1.05	1.05	1.05	1.06	1.06	1.06	1.07	1.08	1.08	1.09	1.10	1.10	1.11	1.11	1.12	1.13	1.14	1.15	0.8%
Natural Gas	17.81	17.99	18.07	18.42	18.66	18.89	19.11	19.30	19.49	19.69	19.91	20.14	20.36	20.59	20.81	21.06	21.32	21.58	21.86	22.14	22.45	1.2%
Other Gaseous Fuels	0.62	0.62	0.62	0.94	0.94	0.95	0.98	0.98	0.99	1.02	1.04	1.07	1.09	1.12	1.15	1.16	1.18	1.21	1.24	1.28	1.32	3.9%
Renewable Sources 4/	0.83	0.83	0.83	0.85	0.86	0.88	0.90	0.92	0.92	0.93	0.95	0.97	0.98	1.00	1.01	1.03	1.04	1.06	1.07	1.08	1.09	1.4%
Other	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	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.1%
Total	26.36	26.51	26.40	27.17	27.51	27.77	28.05	28.27	28.46	28.69	28.94	29.22	29.50	29.77	30.04	30.31	30.62	30.92	31.25	31.59	31.97	1.0%
Sales to Utilities	18.46	18.37	18.27	18.48	18.63	18.72	18.81	18.90	18.98	19.06	19.15	19.26	19.37	19.48	19.60	19.72	19.84	19.96	20.11	20.26	20.42	0.5%
Generation for Own Use	7.90	8.13	8.13	8.69	8.88	9.05	9.24	9.37	9.48	9.63	9.79	9.96	10.12	10.28	10.44	10.60	10.78	10.95	11.14	11.33	11.55	1.9%
End-Use Prices																						
(2000 cents per kilowatthour)																						
Residential	9.8	9.2	8.1	8.4	8.5	8.3	8.1	8.1	8.2	8.2	8.4	8.6	8.6	8.6	8.6	8.6	8.6	8.7	8.7	8.8	8.9	-0.5%
Commercial	8.7	8.2	7.0	7.4	7.5	7.2	7.0	7.0	7.0	7.0	7.3	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.7	7.7	7.9	-0.5%
Industrial	6.7	6.3	5.3	5.6	5.6	5.5	5.3	5.3	5.3	5.3	5.5	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.9	6.0	6.1	-0.4%
Transportation	8.6	7.9	6.9	6.7	6.6	6.1	5.9	6.0	6.1	6.3	6.5	6.7	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.8	6.8	-1.2%
All Sectors Average	8.6	8.1	7.0	7.4	7.4	7.2	7.0	7.0	7.0	7.0	7.3	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.6	7.7	7.8	-0.5%

Table 61. Electric Power Projections for Electricity Market Module Region (3 of 3)
Mid-Atlantic Area Council

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Prices by Service Category																						
(2000 cents/kilowatthour)																						
Generation	5.5	5.2	4.2	4.4	4.5	4.3	4.1	4.1	4.0	4.1	4.3	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.7	4.8	4.9	-0.6%
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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	-0.4%
Distribution	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.5	2.5	2.5	2.4	-0.2%
Fuel Consumption (quadrillion Btu) 9/																						
Coal	1.10	1.11	1.14	1.19	1.22	1.26	1.30	1.35	1.35	1.36	1.36	1.36	1.36	1.38	1.38	1.38	1.38	1.39	1.39	1.40	1.40	1.2%
Natural Gas	0.07	0.09	0.14	0.15	0.17	0.18	0.20	0.23	0.24	0.25	0.29	0.34	0.35	0.39	0.41	0.44	0.46	0.48	0.51	0.52	0.53	10.6%
Oil	0.07	0.08	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	0.01	0.01	0.01	0.01	0.01	0.01	-10.4%
Total	1.23	1.28	1.29	1.35	1.40	1.45	1.51	1.59	1.60	1.62	1.66	1.70	1.72	1.77	1.80	1.83	1.85	1.88	1.90	1.92	1.94	2.3%
Emissions (million tons) 10/																						
Total Carbon	33.36	34.30	34.36	35.80	36.99	38.20	39.72	41.50	41.72	42.02	42.89	43.52	43.86	44.75	45.21	45.91	46.12	46.63	47.07	47.54	47.87	1.8%
Carbon Dioxide	122.32	125.78	125.98	131.28	135.64	140.08	145.64	152.15	152.98	154.09	157.25	159.58	160.83	164.09	165.77	168.32	169.11	170.99	172.59	174.31	175.53	1.8%
Sulfur Dioxide	1.04	0.95	1.19	1.00	0.93	0.91	1.03	1.06	0.96	0.94	0.89	0.83	0.83	0.72	0.72	0.74	0.74	0.74	0.72	0.72	0.74	-1.7%
Nitrogen Oxide	0.23	0.24	0.24	0.25	0.20	0.20	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.23	-0.1%

1/ Net summer capability 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-860B, "Annual Electric Generator Report - Nonutility." 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 capability.

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, 2000.

7/ Generation to meet system load by source.

8/ Cogenerators produce 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 cogenerators).

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: 2000 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001).
Other 2000 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, February 2001) and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 62. Electric Power Projections for Electricity Market Module Region (1 of 3)
Mid-America Interconnected Network

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generating Capacity 1/																						
(gigawatts)																						
Coal Steam	27.49	27.49	27.49	27.49	27.49	27.49	27.48	27.48	27.48	27.48	27.48	27.48	27.48	27.48	27.48	27.48	27.48	27.48	26.78	26.78	26.78	-0.1%
Other Fossil Steam 2/	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	N/A
Combined Cycle	0.31	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.76	1.11	1.23	1.38	1.65	1.87	2.08	2.33	2.55	2.76	3.01	12.0%
Combustion Turbine/Diesel	7.98	8.39	9.49	9.93	11.12	12.48	12.73	13.72	14.32	14.53	14.56	14.56	14.56	14.56	14.92	15.78	16.63	17.59	18.45	19.32	19.32	4.5%
Nuclear Power	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	12.21	11.43	11.43	11.43	11.43	11.43	11.43	11.43	11.43	11.43	-0.6%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	0.90	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.12	1.12	1.12	1.12	1.12	1.12	1.1%
Distributed Generation 5/	0.00	0.00	0.00	0.04	0.10	0.16	0.23	0.30	0.43	0.56	0.71	0.76	0.89	1.02	1.16	1.28	1.40	1.53	1.66	1.80	1.84	N/A
Total Capability	54.09	54.82	55.93	56.41	57.67	59.08	59.39	60.45	61.18	61.52	61.99	61.59	61.07	61.35	62.11	63.38	64.56	65.91	66.40	67.61	67.91	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combined Cycle	0.00	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	0.16	0.16	0.16	0.16	0.16	0.16	0.16	N/A
Combustion Turbine/Diesel	0.00	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	0.41	0.41	0.41	0.41	0.41	0.41	0.41	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	0.00	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	0.16	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	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	0.73	0.73	0.73	0.73	0.73	0.73	0.73	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	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	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	0.29	0.63	0.76	0.90	1.18	1.40	1.61	1.86	2.07	2.28	2.54	N/A
Combustion Turbine/Diesel	0.00	0.00	1.11	1.57	2.85	4.44	4.69	5.76	6.36	6.58	6.69	6.69	6.69	6.69	7.05	7.91	8.76	9.72	10.64	11.51	11.51	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	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	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	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	0.00	0.00	0.06	0.06	0.06	0.06	0.06	0.06	N/A
Total Unplanned Additions	0.00	0.00	1.11	1.62	2.95	4.60	4.92	6.06	6.79	7.14	7.69	8.08	8.34	8.62	9.38	10.64	11.83	13.17	14.44	15.65	15.94	N/A
Distributed Generation 5/	0.00	0.00	0.00	0.04	0.10	0.16	0.23	0.30	0.43	0.56	0.71	0.76	0.89	1.02	1.16	1.28	1.40	1.53	1.66	1.80	1.84	N/A
Cumulative Total Additions	0.00	0.73	1.84	2.34	3.68	5.33	5.65	6.79	7.52	7.86	8.42	8.81	9.06	9.34	10.11	11.37	12.56	13.90	15.16	16.37	16.67	N/A
Cumulative Retirements 7/																						
Coal Steam	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	0.01	0.01	0.01	0.01	0.01	0.71	0.71	0.71	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	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	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	0.01	0.03	0.11	0.34	0.34	0.43	0.43	0.43	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.58	0.58	0.58	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	0.78	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	0.00	0.00	0.01	0.03	0.11	0.34	0.36	0.44	0.44	0.44	0.52	1.31	2.09	2.09	2.09	2.09	2.09	2.09	2.86	2.86	2.86	N/A
Cogenerators 8/																						
Capability																						
Coal	0.84	0.84	0.84	0.84	0.84	0.84	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.82	-0.1%
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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-0.2%
Natural Gas	0.42	0.44	0.44	0.45	0.47	0.48	0.49	0.50	0.52	0.53	0.54	0.55	0.57	0.58	0.59	0.61	0.63	0.64	0.66	0.67	0.69	2.5%
Other Gaseous Fuels	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	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	4.4%
Renewable Sources 4/	0.20	0.20	0.20	0.21	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.27	0.27	0.28	0.28	0.29	0.29	0.30	0.30	0.31	2.1%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	1.51	1.53	1.53	1.56	1.57	1.59	1.61	1.63	1.64	1.66	1.68	1.70	1.72	1.74	1.76	1.78	1.80	1.82	1.84	1.87	1.89	1.1%

Table 62. Electric Power Projections for Electricity Market Module Region (2 of 3)
Mid-America Interconnected Network

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Demand																						
(billion kilowatthours)																						
Residential	71.22	75.02	77.15	79.81	81.38	82.91	83.77	84.70	85.71	86.89	88.10	89.27	90.46	91.70	93.06	94.55	95.80	97.03	98.24	99.59	100.97	1.8%
Commercial/Other	75.03	78.14	79.66	81.71	83.59	85.20	86.76	88.16	89.35	90.45	91.49	92.51	93.54	94.66	95.94	97.21	98.40	99.51	100.56	101.70	102.87	1.6%
Industrial	84.65	80.44	81.24	83.31	85.14	87.25	89.04	91.07	92.63	94.11	96.06	97.97	99.18	100.31	101.44	102.56	103.61	104.76	106.00	107.14	107.99	1.2%
Transportation	1.06	1.08	1.10	1.24	1.38	1.50	1.61	1.70	1.79	1.89	1.98	2.07	2.16	2.25	2.33	2.36	2.34	2.31	2.27	2.23	2.18	3.7%
Total Sales	231.95	234.68	239.16	246.07	251.49	256.86	261.17	265.63	269.48	273.34	277.63	281.82	285.33	288.93	292.77	296.69	300.15	303.61	307.07	310.65	314.01	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Gross Interregional Electricity Imports	19.63	15.48	14.53	14.94	16.86	16.40	16.73	14.50	14.91	14.88	15.00	18.12	21.68	22.65	23.32	23.12	22.79	22.57	24.38	23.30	24.53	1.1%
Gross Interregional Electricity Exports	28.37	23.78	19.16	20.12	22.81	22.48	23.88	23.74	23.29	21.10	20.14	17.79	14.93	14.67	14.02	13.75	12.72	11.55	8.96	8.07	7.18	-6.6%
Purchases from Cogenerators 8/	1.06	1.02	1.13	1.27	1.34	1.43	1.52	1.61	1.69	1.78	1.88	1.99	2.10	2.22	2.33	2.45	2.57	2.69	2.83	2.96	3.10	5.5%
Utility Generation for Customers	255.62	258.16	259.05	266.70	273.01	278.63	284.04	290.56	293.60	295.33	298.61	297.36	294.47	296.73	299.18	302.94	305.81	308.38	307.60	311.42	312.74	1.0%
Total Net Energy for Load	247.94	250.88	255.55	262.79	268.41	273.98	278.40	282.93	286.91	290.90	295.35	299.68	303.33	306.93	310.82	314.75	318.44	322.10	325.84	329.61	333.20	1.5%
Generation by Fuel Type																						
(billion kilowatthours)																						
Coal	148.22	155.74	155.15	162.90	168.75	174.00	180.11	186.65	188.87	190.26	191.35	193.78	195.00	195.86	196.51	197.17	197.66	198.08	193.42	193.79	194.13	1.4%
Petroleum	3.31	0.67	0.30	0.36	0.35	0.33	0.35	0.32	0.33	0.32	0.26	0.34	0.36	0.37	0.36	0.36	0.36	0.36	0.37	0.37	0.37	-10.4%
Natural Gas	6.78	4.06	5.90	5.51	5.49	5.58	4.76	4.56	5.04	5.16	6.67	9.18	10.73	11.88	13.46	16.00	18.27	20.36	24.19	27.60	28.56	7.5%
Nuclear	97.63	98.23	97.46	97.65	97.84	98.02	98.21	98.40	98.59	98.78	98.97	93.24	87.51	87.70	87.89	87.95	88.00	88.01	88.01	88.01	88.01	-0.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	3.46	3.68	4.51	4.57	4.87	4.98	4.88	4.89	4.99	4.97	5.45	4.89	4.89	4.88	4.85	5.31	5.30	5.30	5.28	5.27	5.26	2.1%
Total Generation	259.40	262.39	263.32	271.00	277.34	282.98	288.42	294.96	298.01	299.74	303.02	301.77	298.88	301.14	303.59	307.35	310.21	312.79	312.00	315.83	317.15	1.0%
Sales to Customers	255.62	258.16	259.05	266.70	273.01	278.63	284.04	290.56	293.60	295.33	298.61	297.36	294.47	296.73	299.18	302.94	305.81	308.38	307.60	311.42	312.74	1.0%
Generation for Own Use	3.78	4.23	4.27	4.30	4.33	4.35	4.38	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41	0.8%
Cogenerators																						
Coal	3.24	3.24	3.24	3.22	3.21	3.20	3.19	3.18	3.16	3.15	3.15	3.14	3.14	3.13	3.13	3.12	3.11	3.11	3.10	3.10	3.09	-0.2%
Petroleum	0.45	0.45	0.45	0.50	0.50	0.50	0.50	0.50	0.51	0.51	0.51	0.52	0.52	0.53	0.53	0.53	0.54	0.54	0.55	0.55	0.56	1.1%
Natural Gas	2.02	2.11	2.14	2.27	2.37	2.46	2.55	2.63	2.72	2.80	2.89	2.99	3.08	3.18	3.27	3.38	3.49	3.60	3.71	3.83	3.96	3.4%
Other Gaseous Fuels	0.36	0.36	0.36	0.55	0.55	0.56	0.57	0.57	0.58	0.60	0.61	0.63	0.64	0.66	0.67	0.68	0.69	0.71	0.73	0.75	0.78	3.9%
Renewable Sources 4/	1.79	1.76	1.80	1.88	1.95	2.02	2.10	2.17	2.18	2.22	2.26	2.34	2.41	2.46	2.52	2.57	2.63	2.69	2.74	2.78	2.83	2.3%
Other	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	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.1%
Total	7.96	8.02	8.09	8.52	8.68	8.85	9.02	9.17	9.24	9.38	9.53	9.72	9.89	10.06	10.22	10.38	10.56	10.74	10.93	11.12	11.32	1.8%
Sales to Utilities	1.06	1.02	1.13	1.27	1.34	1.43	1.52	1.61	1.69	1.78	1.88	1.99	2.10	2.22	2.33	2.45	2.57	2.69	2.83	2.96	3.10	5.5%
Generation for Own Use	6.90	7.00	6.96	7.25	7.33	7.42	7.50	7.56	7.55	7.59	7.65	7.73	7.79	7.84	7.89	7.94	8.00	8.05	8.11	8.16	8.22	0.9%
End-Use Prices																						
(2000 cents per kilowatthour)																						
Residential	8.6	8.4	8.0	7.7	7.7	7.8	7.7	7.5	7.6	7.6	7.6	7.8	7.9	7.9	7.8	7.7	7.7	7.7	7.8	7.8	7.8	-0.5%
Commercial	7.2	6.9	6.5	6.6	6.6	6.5	6.4	6.3	6.3	6.3	6.3	6.5	6.7	6.8	6.8	6.7	6.7	6.6	6.7	6.6	6.7	-0.3%
Industrial	4.7	4.5	4.2	4.3	4.3	4.3	4.2	4.1	4.1	4.1	4.2	4.3	4.5	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.6	-0.2%
Transportation	7.1	6.6	6.2	5.9	5.6	5.3	5.3	5.4	5.6	5.7	5.9	6.1	6.2	6.3	6.3	6.2	6.2	6.1	6.1	6.0	5.9	-0.9%
All Sectors Average	6.7	6.5	6.2	6.2	6.2	6.1	6.1	5.9	6.0	6.0	6.0	6.1	6.3	6.4	6.3	6.3	6.2	6.2	6.3	6.3	6.3	-0.3%

Table 62. Electric Power Projections for Electricity Market Module Region (3 of 3)
Mid-America Interconnected Network

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Prices by Service Category																						
(2000 cents/kilowatthour)																						
Generation	4.3	4.2	3.9	3.9	3.9	3.8	3.8	3.7	3.6	3.6	3.7	3.8	4.0	4.1	4.1	4.0	4.0	3.9	4.0	4.0	4.1	-0.3%
Transmission	0.5	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	0.4	0.4	0.4	0.4	0.4	0.4	-0.6%
Distribution	1.9	1.9	1.8	1.9	1.9	1.9	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	-0.3%
Fuel Consumption (quadrillion Btu) 9/																						
Coal	1.54	1.63	1.62	1.70	1.76	1.83	1.89	1.96	1.99	2.00	2.01	2.04	2.06	2.07	2.07	2.08	2.09	2.09	2.04	2.05	2.05	1.4%
Natural Gas	0.08	0.04	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.07	0.09	0.10	0.11	0.12	0.14	0.15	0.17	0.20	0.23	0.23	5.8%
Oil	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-11.2%
Total	1.66	1.68	1.69	1.77	1.83	1.89	1.95	2.01	2.04	2.06	2.08	2.13	2.16	2.18	2.20	2.22	2.25	2.26	2.25	2.28	2.29	1.6%
Emissions (million tons) 10/																						
Total Carbon	46.17	46.88	46.99	49.35	51.09	52.79	54.53	56.46	57.27	57.74	58.27	59.38	60.02	60.47	60.87	61.42	61.86	62.24	61.37	61.97	62.19	1.5%
Carbon Dioxide	169.31	171.90	172.28	180.95	187.33	193.57	199.94	207.03	210.00	211.71	213.65	217.72	220.08	221.73	223.21	225.22	226.82	228.23	225.04	227.21	228.04	1.5%
Sulfur Dioxide	0.98	1.09	0.99	1.03	1.00	0.98	0.95	0.92	0.90	0.88	0.88	0.84	0.83	0.84	0.83	0.82	0.82	0.81	0.78	0.78	0.78	-1.2%
Nitrogen Oxide	0.33	0.35	0.34	0.37	0.32	0.33	0.34	0.35	0.36	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.6%

1/ Net summer capability 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-860B, "Annual Electric Generator Report - Nonutility." 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 capability.

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, 2000.

7/ Generation to meet system load by source.

8/ Cogenerators produce 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 cogenerators).

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: 2000 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001).

Other 2000 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, February 2001) and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 63. Electric Power Projections for Electricity Market Module Region (1 of 3)
Mid-Continent Area Power Pool

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generating Capacity 1/																						
(gigawatts)																						
Coal Steam	19.86	19.86	19.86	19.86	19.86	19.86	19.83	19.83	19.83	19.83	19.83	19.83	19.82	19.82	19.82	19.82	19.82	19.82	19.82	19.82	20.18	0.1%
Other Fossil Steam 2/	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	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	N/A
Combined Cycle	0.39	0.39	0.39	0.39	0.39	0.39	0.72	1.09	1.47	1.85	2.17	2.32	2.32	2.32	2.63	3.06	3.43	3.82	4.23	4.47	4.74	13.3%
Combustion Turbine/Diesel	5.40	5.79	6.43	6.84	7.59	7.53	7.78	8.07	8.22	8.22	8.24	8.43	8.65	9.03	9.39	9.51	9.84	10.50	10.92	11.42	11.09	3.7%
Nuclear Power	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.29	2.53	2.53	2.53	2.53	2.53	2.53	-2.0%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	3.95	4.09	4.24	4.28	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.33	4.33	0.5%
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.04	0.07	0.11	0.15	0.18	0.22	0.25	0.28	0.36	0.44	0.53	0.61	0.70	0.78	0.87	0.96	1.05	N/A
Total Capability	33.93	34.47	35.25	35.71	36.52	36.49	37.08	37.78	38.36	38.77	39.14	39.50	39.80	40.26	40.54	40.42	41.21	42.34	43.26	44.11	44.48	1.4%
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combustion Turbine/Diesel	0.00	0.39	0.39	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	0.72	0.72	0.72	0.72	0.72	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	0.00	0.15	0.29	0.33	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	0.36	0.36	0.36	0.36	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	0.54	0.68	1.06	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	1.08	1.08	1.08	1.08	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	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	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	0.33	0.70	1.08	1.46	1.78	1.93	1.93	1.93	2.24	2.67	3.04	3.43	3.84	4.09	4.35	N/A
Combustion Turbine/Diesel	0.00	0.00	0.64	0.72	1.47	1.54	1.79	2.08	2.24	2.24	2.25	2.44	2.66	3.04	3.40	3.52	3.85	4.51	4.93	5.43	5.89	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	N/A
Total Unplanned Additions	0.00	0.00	0.64	0.72	1.51	1.61	2.23	2.93	3.50	3.91	4.28	4.65	4.95	5.42	6.17	6.80	7.60	8.72	9.65	10.50	11.67	N/A
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.04	0.07	0.11	0.15	0.18	0.22	0.25	0.28	0.36	0.44	0.53	0.61	0.70	0.78	0.87	0.96	1.05	N/A
Cumulative Total Additions	0.00	0.54	1.32	1.78	2.59	2.69	3.31	4.01	4.58	4.99	5.37	5.73	6.03	6.50	7.25	7.88	8.68	9.80	10.73	11.58	12.75	N/A
Cumulative Retirements 7/																						
Coal Steam	0.00	0.00	0.00	0.00	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	0.03	0.03	0.03	0.03	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	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	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	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.93	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	0.00	0.48	1.23	1.23	1.23	1.23	1.23	1.23	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	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	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	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	0.13	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.64	1.40	1.40	1.40	1.40	1.40	2.19	N/A
Cogenerators 8/																						
Capability																						
Coal	0.58	0.58	0.58	0.58	0.58	0.58	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	0.57	0.57	-0.1%
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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-0.2%
Natural Gas	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.08	3.6%
Other Gaseous Fuels	0.02	0.02	0.02	0.04	0.04	0.04	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	0.06	0.06	4.4%
Renewable Sources 4/	0.24	0.24	0.24	0.25	0.26	0.27	0.28	0.29	0.29	0.29	0.30	0.31	0.32	0.32	0.33	0.33	0.34	0.35	0.35	0.36	0.36	2.0%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	0.93	0.93	0.93	0.96	0.96	0.98	0.99	1.00	1.00	1.01	1.01	1.03	1.04	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	0.9%

Table 63. Electric Power Projections for Electricity Market Module Region (2 of 3)
Mid-Continent Area Power Pool

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Demand																						
(billion kilowatthours)																						
Residential	51.27	53.78	54.94	56.61	57.60	58.52	59.08	59.62	60.16	60.73	61.34	62.07	62.88	63.71	64.56	65.50	66.30	67.12	67.92	68.78	69.67	1.5%
Commercial/Other	40.04	41.64	42.32	43.50	44.66	45.68	46.60	47.47	48.25	48.95	49.67	50.45	51.28	52.15	53.07	54.02	54.92	55.78	56.58	57.38	58.11	1.9%
Industrial	61.70	58.63	59.23	60.77	62.10	63.65	64.96	66.43	67.57	68.64	70.05	71.41	72.26	73.07	73.86	74.66	75.41	76.23	77.12	77.93	78.52	1.2%
Transportation	0.67	0.69	0.70	0.79	0.88	0.96	1.03	1.09	1.15	1.21	1.27	1.33	1.39	1.45	1.50	1.53	1.51	1.50	1.47	1.45	1.42	3.8%
Total Sales	153.68	154.74	157.20	161.67	165.24	168.81	171.67	174.61	177.13	179.53	182.33	185.27	187.81	190.37	193.00	195.71	198.15	200.62	203.09	205.54	207.72	1.5%
Net Energy for Load (billion kilowatthours) 7/																						
Gross International Imports	10.06	10.47	9.93	11.14	11.36	11.23	8.72	7.91	8.27	8.35	8.33	8.82	8.91	8.81	8.97	8.87	8.56	8.19	8.31	8.27	7.96	-1.2%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Gross Interregional Electricity Imports	9.86	6.15	4.77	3.50	3.18	3.32	3.22	3.21	2.91	3.21	3.18	3.24	3.39	3.71	4.91	6.95	6.86	6.53	6.03	6.34	5.58	-2.8%
Gross Interregional Electricity Exports	19.02	14.86	13.88	16.80	19.38	19.22	18.02	17.45	16.51	14.46	13.05	12.54	12.11	11.15	9.10	6.11	5.71	5.84	5.68	4.91	5.84	-5.7%
Purchases from Cogenerators 8/	0.59	0.55	0.64	0.71	0.76	0.81	0.86	0.91	0.96	1.01	1.06	1.12	1.17	1.23	1.29	1.35	1.42	1.48	1.55	1.61	1.68	5.4%
Utility Generation for Customers	165.98	166.24	169.61	177.17	183.54	187.10	191.44	194.71	196.27	196.28	197.83	199.73	201.60	202.97	202.21	200.05	202.64	206.01	208.75	210.28	214.52	1.3%
Total Net Energy for Load	167.46	168.55	171.07	175.71	179.46	183.23	186.22	189.30	191.89	194.38	197.33	200.37	202.97	205.57	208.28	211.13	213.76	216.38	218.96	221.60	223.90	1.5%
Generation by Fuel Type																						
(billion kilowatthours)																						
Coal	118.19	120.05	120.06	126.42	132.13	135.77	139.16	142.43	142.81	142.06	142.50	142.79	143.07	143.33	143.51	143.68	143.69	143.85	143.93	143.93	146.63	1.1%
Petroleum	0.70	0.96	0.35	0.49	0.53	0.54	0.50	0.40	0.40	0.39	0.37	0.42	0.45	0.45	0.44	0.45	0.44	0.46	0.46	0.45	0.45	-2.2%
Natural Gas	2.71	2.63	3.24	3.32	3.71	3.56	4.55	4.64	5.81	6.56	7.68	9.24	10.78	11.85	14.67	17.53	20.08	23.25	25.87	27.33	28.84	12.6%
Nuclear	28.80	29.09	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	25.00	19.77	19.77	19.77	19.77	19.77	19.77	-1.9%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	15.77	13.69	17.35	18.33	18.54	18.58	18.57	18.56	18.56	18.55	18.54	18.54	18.53	18.52	18.54	18.53	18.53	18.52	18.51	18.56	18.56	0.8%
Total Generation	166.16	166.43	169.79	177.35	183.72	187.28	191.63	194.90	196.46	196.46	198.01	199.91	201.79	203.15	202.40	200.24	202.82	206.20	208.93	210.47	214.70	1.3%
Sales to Customers	165.98	166.24	169.61	177.17	183.54	187.10	191.44	194.71	196.27	196.28	197.83	199.73	201.60	202.97	202.21	200.05	202.64	206.01	208.75	210.28	214.52	1.3%
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	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.0%
Cogenerators																						
Coal	3.23	3.23	3.23	3.21	3.21	3.20	3.19	3.19	3.17	3.16	3.15	3.15	3.14	3.14	3.13	3.12	3.12	3.11	3.11	3.10	3.10	-0.2%
Petroleum	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	1.1%
Natural Gas	0.45	0.49	0.49	0.54	0.57	0.60	0.63	0.65	0.68	0.71	0.74	0.77	0.80	0.83	0.86	0.89	0.92	0.96	0.99	1.03	1.07	4.4%
Other Gaseous Fuels	0.05	0.05	0.05	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.11	3.9%
Renewable Sources 4/	1.05	1.01	1.06	1.11	1.14	1.18	1.21	1.25	1.25	1.27	1.29	1.33	1.36	1.39	1.41	1.44	1.47	1.49	1.52	1.54	1.56	2.0%
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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.1%
Total	4.87	4.86	4.92	5.03	5.09	5.15	5.21	5.26	5.27	5.31	5.36	5.43	5.48	5.54	5.59	5.65	5.71	5.77	5.83	5.88	5.94	1.0%
Sales to Utilities	0.59	0.55	0.64	0.71	0.76	0.81	0.86	0.91	0.96	1.01	1.06	1.12	1.17	1.23	1.29	1.35	1.42	1.48	1.55	1.61	1.68	5.4%
Generation for Own Use	4.29	4.32	4.28	4.32	4.33	4.35	4.35	4.36	4.32	4.31	4.30	4.31	4.31	4.31	4.30	4.29	4.29	4.29	4.28	4.27	4.26	0.0%
End-Use Prices																						
(2000 cents per kilowatthour)																						
Residential	7.8	7.2	7.0	6.9	6.7	6.6	6.5	6.5	6.6	6.6	6.7	6.6	6.5	6.5	6.5	6.4	6.4	6.5	6.5	6.5	6.5	-0.9%
Commercial	6.4	6.0	5.9	5.8	5.6	5.6	5.4	5.4	5.5	5.5	5.6	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.4	5.4	5.4	-0.9%
Industrial	4.4	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.8	3.8	3.9	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	-0.8%
Transportation	6.4	5.8	5.8	5.3	4.9	4.6	4.5	4.7	4.9	5.1	5.3	5.3	5.4	5.5	5.6	5.5	5.5	5.4	5.3	5.2	5.0	-1.2%
All Sectors Average	6.1	5.7	5.6	5.5	5.3	5.3	5.2	5.1	5.2	5.2	5.3	5.2	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	-0.8%

Table 63. Electric Power Projections for Electricity Market Module Region (3 of 3)
Mid-Continent Area Power Pool

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Prices by Service Category																						
(2000 cents/kilowatthour)																						
Generation	3.3	3.0	2.9	2.8	2.7	2.7	2.6	2.6	2.6	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.6	2.6	2.6	2.6	-1.1%
Transmission	0.8	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	0.7	0.7	0.7	0.7	0.7	0.7	-0.6%
Distribution	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	-0.5%
Fuel Consumption (quadrillion Btu) 9/																						
Coal	1.28	1.30	1.30	1.37	1.43	1.48	1.52	1.55	1.56	1.55	1.55	1.56	1.56	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.60	1.1%
Natural Gas	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.06	0.07	0.08	0.09	0.11	0.13	0.15	0.17	0.19	0.20	0.21	10.7%
Oil	0.01	0.01	0.00	0.01	0.01	0.01	0.01	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	0.01	-1.9%
Total	1.31	1.34	1.34	1.41	1.48	1.52	1.56	1.60	1.61	1.60	1.62	1.63	1.65	1.66	1.69	1.71	1.73	1.75	1.77	1.78	1.81	1.6%
Emissions (million tons) 10/																						
Total Carbon	37.50	38.05	38.01	40.14	42.08	43.29	44.48	45.46	45.74	45.55	45.83	46.11	46.46	46.75	47.14	47.53	47.80	48.25	48.57	48.70	49.50	1.4%
Carbon Dioxide	137.49	139.53	139.38	147.17	154.31	158.73	163.09	166.67	167.71	167.02	168.06	169.08	170.37	171.42	172.85	174.28	175.28	176.92	178.10	178.58	181.50	1.4%
Sulfur Dioxide	0.46	0.49	0.48	0.49	0.50	0.52	0.52	0.52	0.51	0.50	0.51	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.4%
Nitrogen Oxide	0.26	0.27	0.27	0.28	0.29	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	1.0%

1/ Net summer capability 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-860B, "Annual Electric Generator Report - Nonutility." 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 capability.

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, 2000.

7/ Generation to meet system load by source.

8/ Cogenerators produce 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 cogenerators).

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: 2000 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001). Other 2000 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, February 2001) and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 64. Electric Power Projections for Electricity Market Module Region (1 of 3)
Northeast Power Coordinating Council / New York

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generating Capacity 1/																						
(gigawatts)																						
Coal Steam	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.51	3.51	3.51	3.51	3.51	3.51	3.51	3.51	3.51	-0.1%
Other Fossil Steam 2/	12.36	12.36	12.36	12.36	11.25	10.35	9.20	9.20	9.20	9.20	9.20	9.20	9.20	9.20	9.20	9.20	9.20	9.20	9.20	9.20	9.20	-1.5%
Combined Cycle	0.63	0.63	0.63	0.63	0.63	1.34	3.04	3.65	4.23	4.74	4.92	5.31	5.61	5.66	5.97	6.13	6.13	6.25	6.30	6.30	6.30	12.2%
Combustion Turbine/Diesel	3.64	3.64	3.64	3.64	3.64	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	4.30	4.30	4.30	0.8%
Nuclear Power	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.01	4.01	4.01	4.01	4.01	4.01	4.01	-1.1%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	4.55	4.63	4.78	4.85	4.92	4.99	5.13	5.13	5.13	5.13	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	0.6%
Distributed Generation 5/	0.00	0.00	0.00	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	0.03	0.03	0.03	0.03	0.03	N/A
Total Capability	31.02	31.10	31.24	31.31	30.27	30.84	31.54	32.15	32.73	33.23	33.46	33.85	34.09	34.14	33.48	33.64	33.64	33.76	33.81	33.81	33.81	0.4%
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	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	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	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	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	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	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	0.71	2.41	3.02	3.60	4.10	4.29	4.68	4.98	5.03	5.34	5.50	5.50	5.62	5.67	5.67	5.67	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	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	0.94	0.94	0.94	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	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	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	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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	N/A
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.00	1.67	3.37	3.98	4.56	5.07	5.30	5.69	5.98	6.03	6.34	6.50	6.50	6.63	6.68	6.68	6.68	N/A
Distributed Generation 5/	0.00	0.00	0.00	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	0.03	0.03	0.03	0.03	0.03	N/A
Cumulative Total Additions	0.00	0.01	0.01	0.01	0.01	1.67	3.38	3.99	4.57	5.07	5.30	5.69	5.99	6.04	6.35	6.51	6.51	6.63	6.68	6.68	6.68	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	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	N/A
Other Fossil Steam 3/	0.00	0.00	0.00	0.00	1.11	2.01	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	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	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	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	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	0.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	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	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	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	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	1.11	2.29	3.43	3.43	3.43	3.43	3.43	3.43	3.50	3.50	4.47	4.47	4.47	4.47	4.47	4.47	4.47	N/A
Cogenerators 8/																						
Capability																						
Coal	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	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	-0.1%
Petroleum	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	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	-0.1%
Natural Gas	3.79	3.80	3.80	3.81	3.82	3.82	3.83	3.84	3.85	3.85	3.86	3.87	3.88	3.88	3.89	3.90	3.91	3.92	3.93	3.94	3.95	0.2%
Other Gaseous Fuels	0.02	0.02	0.02	0.04	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	0.05	0.05	0.05	0.05	4.4%
Renewable Sources 4/	0.20	0.20	0.20	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	0.24	0.24	0.25	0.25	0.25	1.2%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	4.41	4.42	4.42	4.44	4.45	4.47	4.48	4.49	4.50	4.51	4.52	4.53	4.55	4.56	4.57	4.58	4.60	4.61	4.62	4.64	4.65	0.3%

Table 64. Electric Power Projections for Electricity Market Module Region (2 of 3)
Northeast Power Coordinating Council / New York

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Demand																						
(billion kilowatthours)																						
Residential	43.47	45.25	46.56	48.13	48.83	49.42	49.90	50.36	50.79	51.17	51.49	51.80	52.18	52.61	53.11	53.62	53.99	54.40	54.85	55.33	55.82	1.3%
Commercial/Other	63.81	66.32	67.15	68.96	70.52	71.90	73.34	74.68	75.96	77.15	78.28	79.36	80.37	81.34	82.16	82.58	82.77	82.90	82.98	83.01	83.00	1.3%
Industrial	25.14	23.83	24.11	24.28	24.79	25.29	25.62	26.02	26.47	26.94	27.50	28.06	28.37	28.74	29.05	29.40	29.74	30.06	30.37	30.67	30.87	1.0%
Transportation	0.90	0.92	0.94	1.05	1.16	1.26	1.35	1.42	1.49	1.57	1.64	1.71	1.78	1.85	1.91	1.94	1.91	1.88	1.85	1.81	1.77	3.4%
Total Sales	133.32	136.32	138.75	142.42	145.29	147.87	150.20	152.48	154.71	156.83	158.91	160.93	162.70	164.54	166.23	167.54	168.41	169.24	170.05	170.83	171.46	1.3%
Net Energy for Load (billion kilowatthours) 7/																						
Gross International Imports	15.58	17.84	19.10	23.38	23.79	23.84	22.57	22.11	22.38	22.07	22.64	23.00	23.14	23.54	22.96	24.46	24.45	23.91	23.44	22.88	22.02	1.7%
Gross International Exports	1.45	1.46	1.47	1.49	1.50	1.51	1.52	1.53	1.54	1.56	1.57	1.56	1.56	1.56	1.56	1.56	1.55	1.55	1.55	1.55	1.55	0.3%
Gross Interregional Electricity Imports	17.58	16.25	16.46	14.41	16.13	15.64	16.46	16.86	16.52	15.73	14.44	13.13	12.31	12.46	12.06	14.57	15.21	15.08	15.18	15.62	16.12	-0.4%
Gross Interregional Electricity Exports	9.23	5.89	4.14	6.11	5.81	7.01	8.47	8.46	8.06	8.10	7.31	6.75	6.49	6.58	6.04	4.78	4.51	4.15	3.89	3.51	1.86	-7.7%
Purchases from Cogenerators 8/	20.37	20.35	20.38	20.44	20.47	20.50	20.53	20.56	20.59	20.62	20.66	20.70	20.74	20.78	20.82	20.86	20.90	20.95	21.00	21.05	21.10	0.2%
Utility Generation for Customers	100.75	99.76	99.08	102.55	103.15	107.43	111.72	114.10	116.06	119.33	121.37	123.73	125.85	127.15	129.22	125.24	125.24	126.40	127.31	127.84	127.21	1.2%
Total Net Energy for Load	143.59	146.85	149.41	153.19	156.24	158.89	161.30	163.64	165.95	168.10	170.24	172.24	173.98	175.79	177.46	178.79	179.74	180.63	181.49	182.33	183.04	1.2%
Generation by Fuel Type																						
(billion kilowatthours)																						
Coal	22.90	23.03	22.99	23.33	23.80	24.23	24.66	25.06	24.95	24.86	24.79	24.69	24.71	24.76	24.77	24.79	24.79	24.80	24.80	24.81	24.81	0.4%
Petroleum	11.82	13.46	4.79	2.82	2.70	1.70	1.07	0.82	0.78	0.74	0.73	0.71	0.75	1.11	1.24	1.65	1.95	2.07	2.19	2.52	2.55	-7.4%
Natural Gas	10.91	10.24	14.72	18.09	17.89	22.31	26.08	28.08	29.98	33.19	34.76	37.16	39.08	39.87	41.72	43.99	43.65	44.69	45.47	45.68	45.04	7.3%
Nuclear	39.52	40.01	39.76	39.86	39.96	40.06	40.16	40.26	40.37	40.47	40.57	40.67	40.77	40.87	40.97	34.30	34.34	34.34	34.34	34.34	34.34	-0.7%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	17.34	14.75	18.57	20.22	20.55	20.88	21.50	21.65	21.75	21.85	22.29	22.28	22.27	22.27	22.26	22.25	22.25	22.24	22.23	22.23	22.21	1.2%
Total Generation	102.48	101.50	100.83	104.31	104.89	109.19	113.49	115.88	117.84	121.12	123.15	125.51	127.59	128.90	130.97	126.99	126.99	128.14	129.05	129.59	128.96	1.2%
Sales to Customers	100.75	99.76	99.08	102.55	103.15	107.43	111.72	114.10	116.06	119.33	121.37	123.73	125.85	127.15	129.22	125.24	125.24	126.40	127.31	127.84	127.21	1.2%
Generation for Own Use	1.73	1.74	1.75	1.76	1.75	1.76	1.77	1.78	1.78	1.78	1.78	1.78	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	0.0%
Cogenerators																						
Coal	1.34	1.34	1.32	1.32	1.32	1.32	1.31	1.31	1.30	1.30	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.28	1.28	1.28	1.28	-0.2%
Petroleum	0.27	0.27	0.27	0.30	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	0.32	0.32	0.32	0.33	0.9%
Natural Gas	20.57	20.62	20.63	20.70	20.76	20.80	20.85	20.90	20.94	20.98	21.03	21.08	21.13	21.18	21.22	21.28	21.33	21.39	21.45	21.51	21.58	0.2%
Other Gaseous Fuels	0.19	0.19	0.19	0.28	0.28	0.29	0.29	0.29	0.30	0.31	0.31	0.32	0.33	0.34	0.34	0.35	0.36	0.36	0.37	0.39	0.40	3.9%
Renewable Sources 4/	1.04	1.02	1.04	1.07	1.08	1.11	1.13	1.15	1.15	1.16	1.17	1.19	1.21	1.23	1.24	1.26	1.27	1.29	1.30	1.32	1.33	1.2%
Other	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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1%
Total	23.46	23.49	23.51	23.72	23.79	23.86	23.93	24.00	24.04	24.10	24.16	24.24	24.32	24.39	24.46	24.54	24.62	24.69	24.78	24.87	24.96	0.3%
Sales to Utilities	20.37	20.35	20.38	20.44	20.47	20.50	20.53	20.56	20.59	20.62	20.66	20.70	20.74	20.78	20.82	20.86	20.90	20.95	21.00	21.05	21.10	0.2%
Generation for Own Use	3.08	3.13	3.12	3.27	3.32	3.36	3.40	3.43	3.44	3.47	3.51	3.55	3.58	3.62	3.65	3.68	3.71	3.75	3.79	3.82	3.86	1.1%
End-Use Prices																						
(2000 cents per kilowatthour)																						
Residential	13.4	13.7	12.8	12.1	12.1	12.0	11.7	11.5	11.4	11.5	11.6	11.7	11.7	11.7	11.8	11.9	12.0	12.0	12.0	12.0	12.0	-0.5%
Commercial	11.2	10.8	9.8	9.3	9.2	8.9	8.7	8.6	8.4	8.4	8.4	8.5	8.6	8.7	8.7	8.9	9.1	9.1	9.2	9.3	9.4	-0.9%
Industrial	4.9	4.9	4.6	4.5	4.8	4.8	4.8	4.8	4.9	4.9	5.0	5.0	5.1	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6	0.7%
Transportation	10.8	10.5	9.8	8.7	8.4	7.9	7.8	7.9	8.0	8.1	8.3	8.4	8.6	8.7	8.8	8.9	8.8	8.8	8.7	8.6	8.5	-1.2%
All Sectors Average	10.7	10.7	9.9	9.4	9.4	9.2	9.0	8.9	8.8	8.8	8.9	8.9	9.0	9.0	9.1	9.2	9.3	9.4	9.4	9.5	9.6	-0.6%

Table 64. Electric Power Projections for Electricity Market Module Region (3 of 3)
Northeast Power Coordinating Council / New York

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Prices by Service Category																						
(2000 cents/kilowatthour)																						
Generation	5.9	5.9	5.2	4.7	4.7	4.5	4.3	4.2	4.0	4.0	4.1	4.1	4.2	4.3	4.3	4.5	4.6	4.7	4.7	4.8	4.9	-0.9%
Transmission	1.5	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	1.4	1.4	1.4	1.4	1.3	1.3	1.3	-0.5%
Distribution	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.3	3.3	-0.1%
Fuel Consumption (quadrillion Btu) 9/																						
Coal	0.24	0.24	0.24	0.24	0.24	0.25	0.25	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	0.26	0.4%
Natural Gas	0.11	0.10	0.15	0.19	0.18	0.21	0.21	0.22	0.23	0.25	0.26	0.27	0.29	0.29	0.30	0.32	0.32	0.33	0.33	0.34	0.33	5.6%
Oil	0.12	0.14	0.05	0.03	0.03	0.02	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	0.03	0.03	-7.4%
Total	0.47	0.48	0.44	0.46	0.46	0.48	0.48	0.49	0.49	0.51	0.52	0.54	0.55	0.56	0.57	0.60	0.60	0.60	0.61	0.62	0.61	1.3%
Emissions (million tons) 10/																						
Total Carbon	11.32	11.61	10.15	10.35	10.42	10.69	10.73	10.91	11.00	11.29	11.44	11.64	11.85	12.07	12.27	12.66	12.70	12.83	12.97	13.09	13.02	0.7%
Carbon Dioxide	41.52	42.58	37.23	37.94	38.20	39.19	39.33	40.01	40.33	41.40	41.96	42.69	43.44	44.24	44.98	46.43	46.58	47.05	47.56	48.01	47.75	0.7%
Sulfur Dioxide	0.28	0.30	0.25	0.22	0.22	0.21	0.19	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	-2.1%
Nitrogen Oxide	0.06	0.07	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	0.05	0.05	0.05	0.05	0.06	0.05	-0.8%

1/ Net summer capability 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-860B, "Annual Electric Generator Report - Nonutility." 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 capability.

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, 2000.

7/ Generation to meet system load by source.

8/ Cogenerators produce 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 cogenerators).

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: 2000 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001).
Other 2000 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, February 2001) and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 65. Electric Power Projections for Electricity Market Module Region (1 of 3)
Northeast Power Coordinating Council / New England

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generating Capacity 1/																						
(gigawatts)																						
Coal Steam	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	N/A
Other Fossil Steam 2/	7.80	7.80	7.80	7.80	7.38	7.07	7.07	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	-1.2%
Combined Cycle	4.53	5.20	5.20	5.20	5.20	6.01	6.01	6.88	7.56	7.58	7.92	8.38	8.57	8.82	9.20	9.30	9.51	9.70	9.78	9.90	10.01	4.0%
Combustion Turbine/Diesel	1.86	1.75	1.75	1.75	1.75	1.75	1.75	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	0.6%
Nuclear Power	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	-0.8%
Pumped Storage/Other 3/	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	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	3.21	3.21	3.22	3.25	3.29	3.34	3.39	3.45	3.50	3.56	3.61	3.61	3.61	3.61	3.63	3.69	3.69	3.69	3.69	3.69	3.69	0.7%
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.13	0.16	0.19	0.22	0.24	0.26	0.28	0.31	0.33	0.34	0.36	0.38	0.39	0.40	N/A
Total Capability	25.53	26.10	26.10	26.14	25.75	26.30	26.39	26.88	27.64	27.75	28.16	28.65	28.86	28.47	28.88	29.07	29.29	29.49	29.59	29.73	29.85	0.8%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combined Cycle	0.00	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	0.67	0.67	0.67	0.67	0.67	0.67	0.67	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	0.00	0.01	0.01	0.05	0.08	0.11	0.17	0.22	0.27	0.33	0.38	0.38	0.38	0.38	0.38	0.42	0.42	0.42	0.42	0.42	0.42	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	0.68	0.68	0.72	0.75	0.78	0.84	0.89	0.94	1.00	1.05	1.05	1.05	1.05	1.05	1.10	1.10	1.10	1.10	1.10	1.10	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	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	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	0.80	0.80	1.68	2.35	2.38	2.71	3.17	3.36	3.62	4.00	4.10	4.30	4.49	4.57	4.69	4.81	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.36	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	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	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	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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.06	0.06	0.06	0.06	0.06	0.06	N/A
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.00	0.83	0.86	2.19	2.90	2.95	3.31	3.80	4.01	4.29	4.70	4.84	5.06	5.27	5.37	5.50	5.62	N/A
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.13	0.16	0.19	0.22	0.24	0.26	0.28	0.31	0.33	0.34	0.36	0.38	0.39	0.40	N/A
Cumulative Total Additions	0.00	0.68	0.68	0.72	0.75	1.61	1.70	3.08	3.84	3.95	4.36	4.85	5.06	5.34	5.75	5.94	6.16	6.37	6.46	6.60	6.72	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	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	0.43	0.73	0.73	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combustion Turbine/Diesel	0.00	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	0.11	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	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	0.00	0.11	0.11	0.11	0.53	0.84	0.84	1.73	1.73	1.73	1.73	1.73	1.73	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	N/A
Cogenerators 8/																						
Capability																						
Coal	0.32	0.32	0.32	0.32	0.32	0.32	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	0.30	0.30	-0.3%
Petroleum	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	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	-0.2%
Natural Gas	2.15	2.18	2.19	2.41	2.43	2.45	2.48	2.49	2.51	2.53	2.55	2.58	2.60	2.62	2.64	2.67	2.69	2.72	2.75	2.77	2.80	1.3%
Other Gaseous Fuels	0.06	0.06	0.06	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.14	0.14	0.15	4.4%
Renewable Sources 4/	0.99	0.99	0.99	1.02	1.04	1.08	1.11	1.14	1.14	1.16	1.18	1.22	1.24	1.27	1.29	1.31	1.33	1.35	1.37	1.39	1.41	1.8%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	3.67	3.70	3.70	3.99	4.04	4.10	4.13	4.18	4.21	4.25	4.29	4.35	4.40	4.45	4.50	4.55	4.60	4.65	4.70	4.75	4.80	1.4%

Table 65. Electric Power Projections for Electricity Market Module Region (2 of 3)
Northeast Power Coordinating Council / New England

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Demand																						
(billion kilowatthours)																						
Residential	41.51	42.89	43.85	45.42	46.26	47.02	47.61	48.23	48.85	49.35	49.82	50.27	50.75	51.20	51.70	52.26	52.69	53.16	53.65	54.17	54.76	1.4%
Commercial/Other	41.31	43.63	44.02	45.55	46.88	48.03	49.09	50.14	51.18	52.13	53.01	53.86	54.69	55.42	56.14	56.77	57.37	57.93	58.51	59.11	59.73	1.9%
Industrial	26.11	24.71	24.99	25.47	25.87	26.37	26.81	27.30	27.71	28.14	28.67	29.22	29.56	29.91	30.20	30.49	30.78	31.11	31.45	31.73	31.93	1.0%
Transportation	0.78	0.80	0.82	0.93	1.03	1.12	1.20	1.27	1.34	1.42	1.49	1.56	1.62	1.69	1.75	1.78	1.76	1.74	1.71	1.68	1.65	3.8%
Total Sales	109.72	112.03	113.67	117.37	120.04	122.54	124.71	126.94	129.09	131.03	132.98	134.91	136.63	138.22	139.80	141.30	142.60	143.94	145.32	146.69	148.07	1.5%
Net Energy for Load (billion kilowatthours) 7/																						
Gross International Imports	10.73	8.10	12.00	12.94	12.64	13.99	13.53	12.75	12.54	12.52	12.50	12.29	12.12	12.02	11.46	12.95	12.17	11.66	11.49	11.39	14.65	1.6%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Gross Interregional Electricity Imports	2.59	2.66	1.80	2.82	3.45	4.45	6.40	6.59	6.39	6.54	5.89	5.47	5.30	5.60	5.21	4.13	4.00	3.77	3.65	3.36	1.81	-1.8%
Gross Interregional Electricity Exports	2.44	1.21	0.02	0.05	0.24	0.25	0.29	0.54	0.84	0.76	0.95	0.81	0.83	0.60	0.55	0.85	0.91	0.86	0.76	0.65	0.77	-5.6%
Purchases from Cogenerators 8/	10.95	10.93	11.73	13.50	13.48	13.14	13.18	13.00	12.77	13.07	13.20	13.11	13.32	13.72	13.73	13.94	14.12	14.38	14.63	14.87	14.84	1.5%
Utility Generation for Customers	97.58	101.40	98.13	98.35	101.06	101.71	102.54	105.90	109.06	110.57	113.33	115.85	117.74	118.49	120.94	122.09	124.27	126.13	127.54	129.03	128.91	1.4%
Total Net Energy for Load	119.41	121.89	123.63	127.56	130.40	133.05	135.36	137.69	139.93	141.94	143.97	145.91	147.64	149.23	150.80	152.26	153.65	155.09	156.55	158.01	159.45	1.5%
Generation by Fuel Type																						
(billion kilowatthours)																						
Coal	17.79	17.81	17.72	18.21	18.63	18.98	19.30	19.63	19.63	19.63	19.63	19.63	19.63	19.63	19.63	19.63	19.63	19.63	19.64	19.64	19.64	0.5%
Petroleum	21.17	21.10	5.55	7.54	9.81	7.48	8.00	6.22	5.73	6.09	6.13	5.48	5.80	7.23	7.13	7.49	7.73	8.13	8.58	8.91	9.00	-4.2%
Natural Gas	20.86	25.18	36.54	33.82	33.53	35.74	35.42	39.71	43.08	43.95	46.40	49.42	50.91	54.72	57.13	57.67	59.48	60.94	61.88	63.04	62.83	5.7%
Nuclear	31.24	31.69	31.53	31.67	31.81	31.95	32.07	32.14	32.21	32.28	32.35	32.43	32.50	28.00	28.07	28.14	28.21	28.21	28.21	28.21	28.21	-0.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	10.88	10.11	11.21	11.53	11.65	11.94	12.11	12.31	12.51	12.71	12.91	12.97	12.97	12.97	13.03	13.19	13.25	13.24	13.24	13.24	13.24	1.0%
Total Generation	101.95	105.88	102.54	102.77	105.44	106.09	106.92	110.07	113.24	114.74	117.51	120.02	121.91	122.66	125.11	126.26	128.45	130.31	131.71	133.21	133.09	1.3%
Sales to Customers	97.58	101.40	98.13	98.35	101.06	101.71	102.54	105.90	109.06	110.57	113.33	115.85	117.74	118.49	120.94	122.09	124.27	126.13	127.54	129.03	128.91	1.4%
Generation for Own Use	4.37	4.48	4.42	4.42	4.38	4.38	4.38	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	-0.2%
Cogenerators																						
Coal	2.17	2.12	2.05	2.07	2.10	2.10	2.10	2.10	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	-0.2%
Petroleum	1.77	2.67	1.83	2.00	2.07	2.04	2.05	2.04	2.03	2.05	2.06	2.08	2.09	2.12	2.11	2.11	2.13	2.15	2.17	2.21	2.22	1.1%
Natural Gas	10.59	10.07	11.43	12.90	12.76	12.40	12.39	12.15	11.89	12.11	12.17	11.99	12.10	12.40	12.35	12.46	12.54	12.69	12.81	12.92	12.78	0.9%
Other Gaseous Fuels	1.28	1.28	1.28	1.94	1.95	1.97	2.02	2.02	2.05	2.11	2.16	2.21	2.27	2.32	2.37	2.40	2.45	2.50	2.58	2.65	2.74	3.9%
Renewable Sources 4/	5.09	4.87	5.15	5.39	5.53	5.70	5.87	6.03	6.04	6.14	6.23	6.42	6.56	6.69	6.81	6.93	7.06	7.18	7.30	7.40	7.50	2.0%
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	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.1%
Total	20.97	21.08	21.81	24.37	24.46	24.27	24.49	24.40	24.17	24.55	24.78	24.85	25.18	25.69	25.78	26.06	26.33	26.67	27.01	27.33	27.39	1.3%
Sales to Utilities	10.95	10.93	11.73	13.50	13.48	13.14	13.18	13.00	12.77	13.07	13.20	13.11	13.32	13.72	13.73	13.94	14.12	14.38	14.63	14.87	14.84	1.5%
Generation for Own Use	10.02	10.14	10.08	10.87	10.98	11.13	11.31	11.41	11.40	11.48	11.58	11.73	11.86	11.96	12.05	12.11	12.21	12.29	12.38	12.46	12.55	1.1%
End-Use Prices																						
(2000 cents per kilowatthour)																						
Residential	11.6	12.1	11.5	10.9	10.8	10.6	10.4	10.2	10.1	10.2	10.2	10.2	10.3	10.4	10.4	10.4	10.4	10.5	10.5	10.6	10.6	-0.5%
Commercial	9.7	9.8	8.8	8.3	8.2	7.9	7.8	7.6	7.4	7.5	7.4	7.5	7.5	7.6	7.7	7.7	7.8	7.9	8.0	8.1	8.1	-0.9%
Industrial	7.7	7.9	7.3	6.7	6.6	6.3	6.0	5.8	5.5	5.5	5.6	5.6	5.6	5.8	5.8	5.8	5.9	6.0	6.1	6.1	6.2	-1.1%
Transportation	10.9	10.3	9.8	8.6	8.1	7.7	7.6	7.7	7.7	7.9	8.1	8.2	8.3	8.5	8.6	8.6	8.5	8.5	8.4	8.4	8.2	-1.4%
All Sectors Average	10.0	10.3	9.5	8.9	8.9	8.6	8.4	8.2	8.0	8.1	8.1	8.1	8.1	8.3	8.3	8.3	8.4	8.4	8.5	8.6	8.6	-0.7%

Table 65. Electric Power Projections for Electricity Market Module Region (3 of 3)
Northeast Power Coordinating Council / New England

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Prices by Service Category																						
(2000 cents/kilowatthour)																						
Generation	5.6	6.0	5.3	4.7	4.7	4.4	4.2	4.0	3.8	3.9	3.9	3.9	4.0	4.1	4.1	4.2	4.2	4.3	4.4	4.5	4.6	-1.1%
Transmission	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0%
Distribution	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	-0.4%
Fuel Consumption (quadrillion Btu) 9/																						
Coal	0.18	0.18	0.18	0.18	0.19	0.19	0.19	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	0.20	0.5%
Natural Gas	0.18	0.21	0.31	0.28	0.28	0.29	0.28	0.31	0.33	0.34	0.35	0.37	0.38	0.41	0.42	0.43	0.44	0.45	0.46	0.46	0.46	4.9%
Oil	0.22	0.21	0.05	0.07	0.10	0.07	0.08	0.06	0.06	0.06	0.06	0.05	0.06	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.09	-4.3%
Total	0.57	0.59	0.54	0.54	0.56	0.55	0.55	0.57	0.58	0.59	0.61	0.62	0.63	0.68	0.69	0.70	0.71	0.72	0.74	0.75	0.74	1.4%
Emissions (million tons) 10/																						
Total Carbon	12.83	13.10	11.03	11.23	11.80	11.51	11.69	11.80	12.01	12.20	12.47	12.63	12.85	13.63	13.85	13.98	14.23	14.48	14.70	14.90	14.87	0.7%
Carbon Dioxide	47.04	48.04	40.45	41.19	43.28	42.22	42.86	43.27	44.04	44.75	45.71	46.29	47.13	49.99	50.78	51.25	52.18	53.09	53.88	54.65	54.51	0.7%
Sulfur Dioxide	0.24	0.25	0.16	0.17	0.18	0.16	0.16	0.15	0.15	0.15	0.15	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	-1.9%
Nitrogen Oxide	0.07	0.06	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	0.05	0.05	0.05	0.05	0.05	0.05	-1.0%

1/ Net summer capability 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-860B, "Annual Electric Generator Report - Nonutility." 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 capability.

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, 2000.

7/ Generation to meet system load by source.

8/ Cogenerators produce 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 cogenerators).

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: 2000 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001).
Other 2000 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, February 2001) and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 66. Electric Power Projections for Electricity Market Module Region (1 of 3)
Florida Reliability Coordinating Council

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generating Capacity 1/																						
(gigawatts)																						
Coal Steam	10.31	10.31	10.84	10.84	9.72	9.72	9.72	9.72	9.72	9.90	9.90	9.90	9.90	9.90	9.90	9.90	10.04	10.28	10.54	11.01	11.52	0.6%
Other Fossil Steam 2/	13.06	12.75	11.87	11.14	11.08	11.01	11.01	11.01	11.01	11.01	10.92	10.92	10.92	10.68	10.68	10.68	10.68	10.18	10.18	10.18	10.18	-1.2%
Combined Cycle	4.28	4.53	5.65	5.65	8.05	9.45	10.76	12.44	13.83	15.06	16.22	17.42	18.57	19.67	20.79	21.58	22.38	23.24	24.08	24.65	25.21	9.3%
Combustion Turbine/Diesel	6.20	6.73	7.51	8.03	8.15	8.26	8.48	8.52	8.77	9.20	9.42	9.32	9.32	9.70	10.05	10.57	11.07	11.70	12.32	12.91	13.28	3.9%
Nuclear Power	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.64	0.4%
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.02	0.05	0.08	0.08	0.14	0.21	0.27	0.27	0.29	0.36	0.42	0.49	0.56	0.63	0.70	0.77	0.85	N/A
Total Capability	38.33	38.81	40.35	40.15	41.51	42.97	44.53	46.24	47.98	49.87	51.23	52.33	53.50	54.81	56.35	57.73	59.22	60.53	62.33	64.03	65.57	2.7%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combined Cycle	0.00	0.25	0.71	0.71	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	N/A
Combustion Turbine/Diesel	0.00	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	0.54	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	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	0.79	1.24	1.24	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	2.72	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	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.32	0.56	0.82	1.29	1.79	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	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	0.93	2.32	3.63	5.31	6.70	7.93	9.09	10.29	11.44	12.54	13.66	14.45	15.25	16.11	16.95	17.52	18.08	N/A
Combustion Turbine/Diesel	0.00	0.00	0.79	1.31	1.49	1.60	1.95	2.07	2.34	2.76	3.25	3.25	3.25	3.64	3.99	4.51	5.00	5.64	6.26	6.84	7.21	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	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	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	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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.05	N/A
Total Unplanned Additions	0.00	0.00	0.79	1.31	2.44	3.97	5.66	7.45	9.21	11.09	12.81	14.01	15.18	16.73	18.26	19.65	21.14	22.95	24.75	26.45	27.99	N/A
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.02	0.05	0.08	0.08	0.14	0.21	0.27	0.27	0.29	0.36	0.42	0.49	0.56	0.63	0.70	0.77	0.85	N/A
Cumulative Total Additions	0.00	0.79	2.03	2.56	5.16	6.69	8.38	10.17	11.92	13.81	15.53	16.73	17.90	19.44	20.98	22.36	23.86	25.67	27.47	29.17	30.71	N/A
Cumulative Retirements 7/																						
Coal Steam	0.00	0.00	0.00	0.00	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	1.12	1.12	1.12	1.12	N/A
Other Fossil Steam 3/	0.00	0.21	0.21	0.55	0.61	0.69	0.69	0.69	0.69	0.69	0.77	0.77	0.77	1.01	1.01	1.01	1.01	1.52	1.52	1.52	1.52	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	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	0.01	0.01	0.07	0.07	0.21	0.28	0.30	0.30	0.57	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	0.00	0.21	0.22	0.56	1.80	1.87	2.01	2.08	2.10	2.10	2.45	2.56	2.56	2.79	2.79	2.79	2.79	3.30	3.30	3.30	3.30	N/A
Cogenerators 8/																						
Capability																						
Coal	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	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	N/A
Petroleum	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	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.0%
Natural Gas	1.13	1.15	1.15	1.17	1.19	1.21	1.23	1.25	1.26	1.28	1.30	1.32	1.34	1.36	1.38	1.40	1.42	1.44	1.47	1.49	1.52	1.5%
Other Gaseous Fuels	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	4.4%
Renewable Sources 4/	0.26	0.26	0.26	0.27	0.28	0.29	0.30	0.32	0.32	0.33	0.33	0.35	0.36	0.37	0.37	0.38	0.39	0.40	0.41	0.42	0.42	2.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	2.22	2.25	2.25	2.28	2.31	2.34	2.38	2.40	2.42	2.45	2.48	2.51	2.54	2.57	2.59	2.62	2.66	2.69	2.72	2.75	2.79	1.1%

Table 66. Electric Power Projections for Electricity Market Module Region (2 of 3)
Florida Reliability Coordinating Council

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Demand																						
(billion kilowatthours)																						
Residential	94.90	98.54	101.95	105.79	108.25	110.49	112.29	114.10	115.96	117.86	119.80	121.86	124.01	126.25	128.56	130.96	133.09	135.35	137.58	139.96	142.37	2.0%
Commercial/Other	69.82	71.89	74.47	77.25	79.89	82.39	85.00	87.66	90.36	93.12	95.92	98.80	101.77	104.84	108.05	111.27	114.46	117.67	120.86	124.06	127.20	3.0%
Industrial	16.77	15.92	16.05	16.50	16.84	17.19	17.51	17.88	18.20	18.53	18.91	19.37	19.70	20.03	20.33	20.61	20.90	21.19	21.52	21.82	22.09	1.4%
Transportation	0.75	0.78	0.80	0.91	1.01	1.11	1.20	1.28	1.36	1.45	1.53	1.62	1.70	1.79	1.87	1.91	1.91	1.90	1.88	1.86	1.84	4.6%
Total Sales	182.24	187.13	193.26	200.45	205.99	211.17	216.00	220.92	225.88	230.96	236.16	241.65	247.18	252.91	258.80	264.75	270.36	276.11	281.85	287.71	293.49	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Gross Interregional Electricity Imports	29.22	28.23	35.82	39.60	38.73	36.75	37.84	38.61	36.84	35.76	33.28	31.71	30.06	28.37	26.52	25.58	25.18	23.93	21.74	20.12	18.85	-2.2%
Gross Interregional Electricity Exports	0.26	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Purchases from Cogenerators 8/	9.37	9.27	9.14	9.22	9.32	9.36	9.39	9.44	9.46	9.50	9.53	9.59	9.64	9.69	9.75	9.81	9.86	9.93	9.99	10.06	10.13	0.4%
Utility Generation for Customers	157.19	163.40	162.25	166.00	172.40	179.66	183.52	187.77	194.71	200.97	208.75	215.83	223.05	230.49	238.32	245.39	251.71	258.94	267.10	274.83	281.96	3.0%
Total Net Energy for Load	195.53	200.66	207.21	214.83	220.45	225.77	230.75	235.82	241.02	246.22	251.56	257.13	262.75	268.56	274.59	280.77	286.76	292.79	298.84	305.00	310.94	2.3%
Generation by Fuel Type																						
(billion kilowatthours)																						
Coal	68.95	68.28	70.37	72.68	67.40	68.78	70.10	71.44	71.44	72.63	72.03	72.03	72.03	72.52	72.52	72.52	73.56	75.38	77.31	80.82	84.55	1.0%
Petroleum	23.33	28.72	12.31	11.23	11.85	11.58	10.34	8.44	7.90	7.39	7.03	7.10	7.24	7.20	7.31	7.41	7.16	7.12	7.15	7.04	7.27	-5.7%
Natural Gas	31.08	32.24	45.58	47.54	58.12	64.26	68.01	72.81	80.13	85.56	93.65	100.66	107.72	115.20	122.89	129.83	135.33	140.75	146.92	151.21	154.12	8.3%
Nuclear	31.02	31.35	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	3.68	3.68	3.77	4.33	4.78	4.79	4.80	4.81	4.95	5.07	5.68	5.69	5.69	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.41	1.9%
Total Generation	158.06	164.27	163.12	166.87	173.26	180.52	184.37	188.63	195.57	201.83	209.61	216.69	223.90	231.35	239.18	246.25	252.57	259.80	267.96	275.68	282.82	3.0%
Sales to Customers	157.19	163.40	162.25	166.00	172.40	179.66	183.52	187.77	194.71	200.97	208.75	215.83	223.05	230.49	238.32	245.39	251.71	258.94	267.10	274.83	281.96	3.0%
Generation for Own Use	0.87	0.87	0.87	0.87	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	0.86	0.86	0.86	0.86	-0.1%
Cogenerators																						
Coal	5.06	4.96	4.79	4.81	4.87	4.87	4.86	4.86	4.85	4.84	4.83	4.83	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	-0.2%
Petroleum	0.30	0.30	0.30	0.32	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.35	0.35	0.35	0.36	0.36	1.0%
Natural Gas	5.40	5.45	5.46	5.53	5.58	5.62	5.67	5.71	5.75	5.79	5.83	5.88	5.92	5.97	6.01	6.06	6.12	6.17	6.23	6.28	6.35	0.8%
Other Gaseous Fuels	0.22	0.22	0.22	0.33	0.34	0.34	0.35	0.35	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.41	0.42	0.43	0.44	0.46	0.47	3.9%
Renewable Sources 4/	0.97	0.97	0.97	1.01	1.05	1.10	1.14	1.19	1.19	1.22	1.24	1.29	1.33	1.37	1.40	1.43	1.47	1.50	1.54	1.56	1.59	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	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.1%
Total	12.44	12.39	12.24	12.51	12.66	12.75	12.85	12.94	12.97	13.04	13.11	13.22	13.31	13.41	13.49	13.58	13.68	13.78	13.88	13.99	14.09	0.6%
Sales to Utilities	9.37	9.27	9.14	9.22	9.32	9.36	9.39	9.44	9.46	9.50	9.53	9.59	9.64	9.69	9.75	9.81	9.86	9.93	9.99	10.06	10.13	0.4%
Generation for Own Use	3.07	3.12	3.11	3.29	3.34	3.40	3.46	3.50	3.51	3.54	3.58	3.63	3.67	3.71	3.75	3.78	3.82	3.85	3.89	3.93	3.97	1.3%
End-Use Prices																						
(2000 cents per kilowatthour)																						
Residential	8.4	8.5	8.1	7.8	7.8	7.9	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.7	7.7	7.7	7.7	7.6	7.7	7.6	7.6	-0.5%
Commercial	6.9	7.1	6.8	6.6	6.7	6.8	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	-0.1%
Industrial	5.2	5.3	5.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	5.0	4.9	4.9	4.9	4.9	-0.3%
Transportation	7.2	7.3	6.9	6.2	5.9	5.6	5.6	5.8	6.1	6.4	6.6	6.7	6.9	7.0	7.1	7.1	7.0	6.8	6.7	6.5	6.3	-0.7%
All Sectors Average	7.6	7.6	7.3	7.1	7.2	7.2	7.1	7.1	7.2	7.2	7.2	7.1	7.1	7.1	7.1	7.1	7.1	7.0	7.1	7.1	7.0	-0.4%

Table 66. Electric Power Projections for Electricity Market Module Region (3 of 3)
Florida Reliability Coordinating Council

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Prices by Service Category																						
(2000 cents/kilowatthour)																						
Generation	4.9	5.1	4.8	4.5	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	-0.5%
Transmission	0.5	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	0.6	0.6	0.6	0.6	0.7	0.7	0.6	1.0%
Distribution	2.2	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	-0.4%
Fuel Consumption (quadrillion Btu) 9/																						
Coal	0.69	0.69	0.71	0.73	0.67	0.69	0.70	0.71	0.71	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.73	0.75	0.77	0.80	0.83	0.9%
Natural Gas	0.30	0.31	0.45	0.47	0.53	0.57	0.59	0.61	0.65	0.67	0.73	0.77	0.81	0.86	0.91	0.96	0.99	1.02	1.06	1.09	1.11	6.7%
Oil	0.24	0.29	0.13	0.11	0.12	0.12	0.11	0.09	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.07	-5.7%
Total	1.23	1.29	1.28	1.32	1.33	1.37	1.39	1.40	1.44	1.47	1.52	1.56	1.61	1.66	1.71	1.75	1.80	1.85	1.90	1.96	2.01	2.5%
Emissions (million tons) 10/																						
Total Carbon	29.87	31.09	29.92	30.68	30.15	31.10	31.46	31.73	32.29	32.90	33.49	34.20	34.93	35.82	36.62	37.39	38.16	39.15	40.28	41.52	42.72	1.8%
Carbon Dioxide	109.51	113.98	109.70	112.49	110.54	114.05	115.35	116.34	118.38	120.63	122.81	125.41	128.09	131.34	134.26	137.08	139.93	143.54	147.68	152.24	156.66	1.8%
Sulfur Dioxide	0.38	0.41	0.32	0.31	0.27	0.27	0.28	0.28	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	-1.6%
Nitrogen Oxide	0.21	0.22	0.20	0.21	0.19	0.19	0.19	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	0.19	-0.6%

1/ Net summer capability 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-860B, "Annual Electric Generator Report - Nonutility." 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 capability.

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, 2000.

7/ Generation to meet system load by source.

8/ Cogenerators produce 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 cogenerators).

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: 2000 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001).

Other 2000 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, February 2001) and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 67. Electric Power Projections for Electricity Market Module Region (1 of 3)
Southeastern Electric Reliability Council

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generating Capacity 1/																						
(gigawatts)																						
Coal Steam	69.70	69.90	69.75	69.43	69.43	69.43	69.43	69.32	69.32	69.72	70.02	70.41	71.06	71.61	71.72	72.55	73.51	74.68	75.48	76.89	78.41	0.6%
Other Fossil Steam 2/	19.01	19.01	18.98	19.16	19.14	19.13	19.10	19.10	19.05	19.05	19.01	18.83	18.79	18.79	18.48	18.48	18.48	18.29	18.29	18.18	18.18	-0.2%
Combined Cycle	7.25	8.17	8.32	8.32	10.53	10.97	14.11	19.58	23.96	28.77	31.44	32.82	34.90	36.43	38.26	40.03	41.31	42.60	43.78	45.06	46.00	9.7%
Combustion Turbine/Diesel	19.49	21.04	21.28	21.47	21.52	21.85	23.33	23.42	24.29	24.64	24.92	25.07	25.02	26.72	29.15	30.95	32.93	34.66	36.42	37.90	38.95	3.5%
Nuclear Power	31.82	31.88	31.93	31.93	31.93	31.93	31.93	31.93	31.93	31.93	31.93	31.93	31.93	31.93	30.86	30.86	30.86	30.86	30.86	30.86	30.86	-0.2%
Pumped Storage/Other 3/	6.40	6.74	6.78	6.82	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	11.66	11.67	11.67	11.67	11.67	11.67	11.67	11.67	11.67	11.67	11.67	11.75	11.77	11.79	11.95	12.03	12.24	12.37	12.37	12.37	12.42	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	0.08	0.15	0.23	0.45	0.67	0.88	1.10	1.32	1.54	1.74	N/A
Total Capability	165.33	168.40	168.71	168.79	171.07	171.84	176.43	181.88	187.08	192.64	195.84	197.75	200.49	204.37	207.73	212.44	217.09	221.43	225.39	229.67	233.44	1.7%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combined Cycle	0.00	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	0.91	0.91	0.91	0.91	0.91	0.91	0.91	N/A
Combustion Turbine/Diesel	0.00	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Pumped Storage/Other 3/	0.00	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	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	0.40	0.70	1.09	1.74	2.29	2.91	3.74	4.70	5.87	7.18	8.59	10.11	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	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	2.21	2.66	5.79	11.26	15.64	20.46	23.13	24.51	26.58	28.12	29.94	31.72	33.00	34.29	35.46	36.74	37.68	N/A
Combustion Turbine/Diesel	0.00	0.00	0.28	0.50	0.56	1.59	3.16	3.37	4.23	4.85	5.20	5.89	7.33	9.15	11.57	13.38	15.35	17.15	18.92	20.45	21.50	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	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	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	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	0.08	0.10	0.12	0.28	0.36	0.57	0.70	0.70	0.70	0.75	N/A
Total Unplanned Additions	0.00	0.00	0.28	0.50	2.78	4.25	8.95	14.63	19.87	25.71	29.03	31.64	35.92	39.91	45.15	49.86	54.51	59.11	63.58	68.01	71.79	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	0.08	0.15	0.23	0.45	0.67	0.88	1.10	1.32	1.54	1.74	N/A
Cumulative Total Additions	0.00	2.77	3.05	3.27	5.55	7.02	11.72	17.40	22.65	28.48	31.80	34.42	38.69	42.68	47.92	52.63	57.28	61.88	66.36	70.78	74.56	N/A
Cumulative Retirements 7/																						
Coal Steam	0.00	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	0.62	0.62	0.62	0.62	1.13	1.13	1.13	N/A
Other Fossil Steam 3/	0.00	0.00	0.03	0.17	0.19	0.20	0.23	0.23	0.28	0.28	0.32	0.50	0.54	0.54	0.85	0.85	0.85	1.04	1.04	1.14	1.14	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	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	0.04	0.07	0.08	0.77	0.86	0.98	0.98	1.25	1.32	1.86	3.34	3.46	3.46	3.46	3.46	3.53	3.53	3.58	3.58	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	0.00	1.07	1.07	1.07	1.07	1.07	1.07	1.07	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	0.00	0.00	0.06	0.24	0.27	0.98	1.09	1.32	1.37	1.63	1.75	2.46	3.99	4.11	5.99	5.99	5.99	6.25	6.76	6.91	6.91	N/A
Cogenerators 8/																						
Capability																						
Coal	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.53	2.52	2.32	2.29	2.29	2.29	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	-0.5%
Petroleum	0.51	0.51	0.51	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	0.50	0.50	0.50	0.50	0.50	-0.1%
Natural Gas	5.60	6.11	6.18	6.35	6.59	6.81	7.03	7.22	7.41	7.61	7.83	8.05	8.27	8.50	8.72	8.98	9.24	9.49	9.77	10.05	10.36	3.1%
Other Gaseous Fuels	0.16	0.16	0.16	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.29	0.30	0.30	0.31	0.32	0.33	0.33	0.34	0.35	0.37	0.38	4.4%
Renewable Sources 4/	3.55	3.55	3.56	3.69	3.80	3.95	4.09	4.23	4.25	4.34	4.43	4.57	4.69	4.79	4.89	4.98	5.09	5.19	5.28	5.36	5.44	2.2%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	12.35	12.87	12.94	13.33	13.68	14.04	14.41	14.74	14.96	15.05	15.33	15.71	16.05	16.38	16.72	17.07	17.44	17.80	18.18	18.56	18.96	2.2%

Table 67. Electric Power Projections for Electricity Market Module Region (2 of 3)
Southeastern Electric Reliability Council

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Demand																						
(billion kilowatthours)																						
Residential	278.34	287.17	295.31	305.30	311.44	317.02	321.29	325.49	329.92	334.58	339.43	344.59	349.93	355.51	361.31	367.39	372.72	378.33	383.91	389.92	395.95	1.8%
Commercial/Other	220.63	224.81	231.73	239.83	247.41	254.47	261.89	269.46	277.10	284.90	292.84	300.94	309.11	317.44	325.96	334.33	342.42	350.41	358.15	365.98	373.63	2.7%
Industrial	257.98	245.25	247.21	254.83	260.38	265.99	271.44	278.12	282.60	287.74	294.15	301.52	306.55	311.40	316.06	320.49	324.76	329.12	334.01	338.47	342.55	1.4%
Transportation	2.82	2.90	2.99	3.38	3.77	4.12	4.44	4.73	5.03	5.33	5.63	5.93	6.22	6.51	6.79	6.94	6.91	6.86	6.80	6.71	6.61	4.3%
Total Sales	759.77	760.13	777.24	803.35	823.00	841.61	859.05	877.81	894.64	912.55	932.05	952.97	971.82	990.86	1010.12	1029.15	1046.80	1064.73	1082.86	1101.08	1118.74	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Gross Interregional Electricity Imports	49.27	46.02	50.94	60.39	66.40	66.50	67.91	67.91	68.68	65.63	65.10	62.95	60.15	57.68	55.67	52.21	50.53	47.78	45.44	44.93	44.45	-0.5%
Gross Interregional Electricity Exports	49.06	52.50	59.86	60.71	60.17	53.21	52.51	55.52	54.68	55.59	53.80	49.32	47.60	45.30	42.92	42.74	43.30	40.88	38.02	37.69	37.29	-1.4%
Purchases from Cogenerators 8/	12.15	12.79	14.27	15.83	17.03	18.21	19.48	20.61	21.53	22.34	23.28	24.44	25.48	26.67	27.67	28.88	30.25	31.56	32.96	34.41	35.88	5.6%
Utility Generation for Customers	798.04	803.92	822.37	839.85	852.06	863.09	878.10	899.05	913.87	935.36	953.20	971.21	990.40	1008.81	1026.77	1048.11	1067.60	1085.47	1102.64	1120.54	1137.89	1.8%
Total Net Energy for Load	810.41	810.23	827.72	855.36	875.32	894.58	912.98	932.05	949.41	967.74	987.78	1009.27	1028.43	1047.87	1067.20	1086.46	1105.08	1123.93	1143.02	1162.18	1180.93	1.9%
Generation by Fuel Type																						
(billion kilowatthours)																						
Coal	447.50	446.83	452.79	463.47	472.84	483.73	495.17	504.90	506.08	509.96	511.01	514.58	519.69	524.47	525.88	532.30	541.60	550.48	556.73	567.21	578.63	1.3%
Petroleum	9.43	14.49	5.28	5.83	5.15	4.81	4.05	2.95	2.78	2.41	2.48	2.13	2.56	2.34	2.64	2.65	2.79	2.79	2.81	2.90	2.88	-5.8%
Natural Gas	67.73	69.93	87.18	93.36	96.60	96.81	101.17	113.42	127.06	145.04	159.65	173.94	187.49	201.00	217.11	231.56	242.93	251.42	262.25	269.49	275.00	7.3%
Nuclear	244.13	249.42	246.83	245.90	246.11	246.26	246.36	246.43	246.49	246.49	246.49	246.49	246.49	246.49	246.49	246.49	246.49	246.49	246.49	246.49	246.49	0.0%
Pumped Storage/Other 3/	-0.11	-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	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	2.3%
Renewable Sources 4/	32.52	27.46	34.50	35.50	35.60	35.72	35.59	35.60	35.73	35.72	37.82	38.39	38.35	38.68	38.71	39.08	37.66	38.06	38.05	38.04	38.38	0.8%
Total Generation	801.20	807.96	826.41	843.90	856.12	867.15	882.18	903.14	917.96	939.44	957.28	975.29	994.48	1012.90	1030.86	1052.20	1071.68	1089.56	1106.73	1124.62	1141.97	1.8%
Sales to Customers	798.04	803.92	822.37	839.85	852.06	863.09	878.10	899.05	913.87	935.36	953.20	971.21	990.40	1008.81	1026.77	1048.11	1067.60	1085.47	1102.64	1120.54	1137.89	1.8%
Generation for Own Use	3.16	4.04	4.04	4.05	4.07	4.06	4.08	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	1.3%
Cogenerators																						
Coal	9.24	9.94	10.27	10.75	11.24	11.69	12.12	12.57	12.53	12.40	12.28	12.34	12.28	12.36	12.25	12.24	12.33	12.32	12.32	12.31	12.30	1.4%
Petroleum	3.76	3.78	3.76	4.01	4.01	4.02	4.04	4.04	4.05	4.07	4.09	4.11	4.13	4.15	4.17	4.18	4.20	4.22	4.25	4.28	4.31	0.7%
Natural Gas	28.18	30.19	30.99	33.40	35.20	36.86	38.55	39.87	41.47	42.98	44.73	46.47	48.18	49.87	51.54	53.45	55.47	57.45	59.57	61.75	64.13	4.2%
Other Gaseous Fuels	1.85	1.85	1.85	2.79	2.81	2.83	2.91	2.91	2.95	3.03	3.10	3.18	3.26	3.34	3.41	3.45	3.52	3.59	3.70	3.81	3.94	3.9%
Renewable Sources 4/	18.26	18.01	18.35	19.20	19.82	20.62	21.37	22.11	22.15	22.58	23.03	23.85	24.51	25.08	25.63	26.17	26.77	27.33	27.85	28.32	28.77	2.3%
Other	1.28	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	0.1%
Total	62.57	65.06	66.52	71.44	74.38	77.31	80.29	82.80	84.45	86.36	88.53	91.24	93.65	96.10	98.30	100.79	103.59	106.21	108.99	111.77	114.74	3.1%
Sales to Utilities	12.15	12.79	14.27	15.83	17.03	18.21	19.48	20.61	21.53	22.34	23.28	24.44	25.48	26.67	27.67	28.88	30.25	31.56	32.96	34.41	35.88	5.6%
Generation for Own Use	50.41	52.27	52.25	55.61	57.36	59.11	60.81	62.19	62.92	64.01	65.25	66.80	68.16	69.43	70.63	71.91	73.34	74.66	76.03	77.36	78.86	2.3%
End-Use Prices																						
(2000 cents per kilowatthour)																						
Residential	7.6	7.3	7.1	6.9	7.0	7.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.8	6.8	6.9	6.9	6.9	-0.5%
Commercial	6.5	6.4	6.3	6.1	6.2	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.1	6.1	6.2	6.2	6.2	-0.3%
Industrial	4.2	4.1	4.0	4.0	4.0	4.0	3.9	3.9	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	-0.3%
Transportation	6.3	6.2	6.0	5.4	5.1	4.9	4.8	5.1	5.3	5.5	5.7	5.9	6.0	6.1	6.1	6.1	6.0	5.9	5.8	5.7	5.5	-0.7%
All Sectors Average	6.1	6.0	5.9	5.7	5.8	5.8	5.7	5.7	5.7	5.8	5.8	5.8	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	-0.3%

Table 67. Electric Power Projections for Electricity Market Module Region (3 of 3)
Southeastern Electric Reliability Council

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Prices by Service Category																						
(2000 cents/kilowatthour)																						
Generation	3.9	3.9	3.8	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.3	3.4	3.4	3.4	-0.8%
Transmission	0.5	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	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.4%
Distribution	1.7	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.3%
Fuel Consumption (quadrillion Btu) 9/																						
Coal	4.46	4.45	4.52	4.62	4.72	4.83	4.98	5.08	5.09	5.12	5.13	5.16	5.21	5.25	5.25	5.30	5.38	5.45	5.50	5.58	5.67	1.2%
Natural Gas	0.66	0.66	0.85	0.91	0.91	0.90	0.90	0.95	1.03	1.14	1.24	1.35	1.44	1.53	1.64	1.74	1.82	1.87	1.95	1.99	2.03	5.7%
Oil	0.10	0.15	0.05	0.06	0.05	0.05	0.04	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-5.8%
Total	5.22	5.26	5.42	5.60	5.68	5.78	5.92	6.05	6.15	6.29	6.40	6.53	6.67	6.80	6.92	7.07	7.23	7.35	7.47	7.60	7.73	2.0%
Emissions (million tons) 10/																						
Total Carbon	138.03	138.72	141.29	145.61	148.15	151.25	154.97	158.32	160.07	162.70	164.58	167.10	169.86	172.50	174.49	177.54	181.06	184.01	186.47	189.63	192.79	1.7%
Carbon Dioxide	506.12	508.64	518.07	533.89	543.22	554.57	568.21	580.49	586.94	596.56	603.48	612.70	622.82	632.51	639.78	650.98	663.89	674.71	683.73	695.32	706.89	1.7%
Sulfur Dioxide	3.20	3.07	3.28	3.33	3.17	3.14	3.01	2.98	2.94	2.95	2.99	2.68	2.72	2.80	2.80	2.78	2.79	2.77	2.84	2.87	2.82	-0.6%
Nitrogen Oxide	0.93	0.94	0.96	0.98	0.85	0.87	0.88	0.89	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	-0.2%

1/ Net summer capability 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-860B, "Annual Electric Generator Report - Nonutility." 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 capability.

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, 2000.

7/ Generation to meet system load by source.

8/ Cogenerators produce 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 cogenerators).

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: 2000 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001).
Other 2000 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, February 2001) and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 68. Electric Power Projections for Electricity Market Module Region (1 of 3)
Southwest Power Pool

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generating Capacity 1/																						
(gigawatts)																						
Coal Steam	21.20	21.20	21.20	21.20	21.20	21.20	21.20	20.67	20.19	20.19	20.19	20.19	20.19	20.19	20.19	20.19	20.19	20.19	20.19	20.19	20.19	-0.2%
Other Fossil Steam 2/	13.69	13.61	13.52	13.44	13.36	12.00	11.37	11.06	11.03	11.03	11.03	10.99	10.98	10.94	10.94	10.94	10.94	10.94	10.89	10.89	10.89	-1.1%
Combined Cycle	1.78	2.94	2.94	2.94	3.41	4.05	4.75	6.74	7.86	8.58	9.29	10.00	10.85	11.15	11.70	11.93	12.62	13.08	13.59	14.06	14.62	11.1%
Combustion Turbine/Diesel	4.63	4.64	4.64	4.72	3.60	4.15	5.05	5.20	5.30	5.42	5.55	5.66	5.66	5.77	5.91	6.02	6.12	6.24	6.33	6.45	6.45	1.7%
Nuclear Power	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	N/A
Pumped Storage/Other 3/	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	0.50	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	2.47	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.60	2.60	2.60	2.60	2.61	2.61	2.61	2.61	2.62	2.62	2.62	2.62	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Capability	45.46	46.66	46.56	46.57	45.84	45.66	46.65	47.94	48.65	49.49	50.34	51.12	51.96	52.34	53.03	53.37	54.16	54.75	55.30	55.89	56.45	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combined Cycle	0.00	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	N/A
Combustion Turbine/Diesel	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	0.00	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.15	0.15	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	1.28	1.28	1.28	1.28	1.28	1.29	1.29	1.29	1.29	1.29	1.29	1.30	1.30	1.30	1.30	1.31	1.31	1.31	1.31	1.32	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	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	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	0.47	1.11	1.81	3.80	4.92	5.64	6.35	7.06	7.91	8.21	8.76	8.99	9.68	10.14	10.65	11.11	11.67	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.23	0.28	0.95	1.87	2.02	2.12	2.23	2.37	2.48	2.48	2.59	2.73	2.84	2.94	3.06	3.15	3.27	3.27	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Unplanned Additions	0.00	0.00	0.00	0.23	0.75	2.06	3.68	5.82	7.03	7.87	8.72	9.53	10.38	10.80	11.49	11.83	12.61	13.20	13.80	14.39	14.95	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Cumulative Total Additions	0.00	1.28	1.28	1.52	2.03	3.35	4.97	7.11	8.32	9.16	10.01	10.83	11.68	12.10	12.79	13.13	13.92	14.51	15.11	15.70	16.26	N/A
Cumulative Retirements 7/																						
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	N/A
Other Fossil Steam 3/	0.00	0.00	0.10	0.17	0.25	1.64	2.26	2.58	2.61	2.61	2.61	2.64	2.66	2.70	2.70	2.70	2.70	2.70	2.75	2.75	2.75	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	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	0.16	1.32	1.45	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	0.00	0.00	0.10	0.33	1.57	3.08	3.72	4.57	5.07	5.07	5.07	5.11	5.13	5.16	5.16	5.16	5.16	5.16	5.22	5.22	5.22	N/A
Cogenerators 8/																						
Capability																						
Coal	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	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.0%
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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.0%
Natural Gas	0.80	0.82	0.83	0.85	0.87	0.89	0.90	0.92	0.94	0.96	0.97	0.99	1.01	1.03	1.05	1.07	1.10	1.12	1.14	1.17	1.20	2.0%
Other Gaseous Fuels	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	4.4%
Renewable Sources 4/	0.33	0.33	0.33	0.34	0.36	0.37	0.39	0.40	0.40	0.41	0.42	0.44	0.45	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.53	2.4%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	1.59	1.61	1.62	1.65	1.68	1.72	1.75	1.78	1.80	1.83	1.86	1.89	1.92	1.95	1.98	2.02	2.05	2.08	2.12	2.15	2.19	1.6%

Table 68. Electric Power Projections for Electricity Market Module Region (2 of 3)
Southwest Power Pool

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Demand																						
(billion kilowatthours)																						
Residential	59.25	61.26	62.65	64.72	65.96	67.10	67.92	68.63	69.41	70.32	71.32	72.41	73.49	74.61	75.78	77.06	78.19	79.37	80.55	81.82	83.06	1.7%
Commercial/Other	60.13	61.23	62.33	64.34	66.22	67.83	69.42	71.03	72.59	74.16	75.76	77.39	78.91	80.37	81.82	83.17	84.39	85.54	86.57	87.62	88.60	2.0%
Industrial	51.06	48.72	49.13	50.91	52.17	53.49	54.81	56.49	57.25	58.25	59.75	61.23	62.14	62.97	63.85	64.69	65.43	66.20	67.05	67.85	68.55	1.5%
Transportation	0.66	0.68	0.70	0.79	0.88	0.96	1.03	1.10	1.16	1.23	1.30	1.36	1.43	1.49	1.55	1.58	1.57	1.56	1.55	1.53	1.50	4.2%
Total Sales	171.10	171.89	174.82	180.76	185.23	189.37	193.17	197.25	200.41	203.95	208.14	212.40	215.97	219.43	223.00	226.50	229.58	232.67	235.72	238.82	241.72	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Gross Interregional Electricity Imports	20.38	18.64	16.81	17.84	18.36	17.62	18.41	18.10	17.41	17.31	15.56	13.38	11.94	11.50	10.12	8.85	7.59	6.77	5.07	4.60	4.39	-7.4%
Gross Interregional Electricity Exports	23.73	23.59	23.81	22.91	22.28	21.19	21.37	21.83	21.14	20.52	19.38	18.90	18.57	18.13	17.18	15.43	14.57	13.06	11.75	10.41	10.19	-4.1%
Purchases from Cogenerators 8/	4.73	4.72	4.71	4.81	4.90	4.97	5.03	5.10	5.17	5.25	5.34	5.44	5.54	5.66	5.76	5.87	5.99	6.11	6.22	6.35	6.48	1.6%
Utility Generation for Customers	183.92	186.18	191.35	195.62	199.03	203.06	206.35	211.25	214.52	217.57	222.46	228.37	232.92	236.48	240.40	243.36	246.83	249.32	252.82	255.14	258.09	1.7%
Total Net Energy for Load	185.30	185.96	189.06	195.37	200.02	204.46	208.42	212.61	215.95	219.61	223.98	228.29	231.83	235.50	239.10	242.66	245.85	249.14	252.37	255.68	258.76	1.7%
Generation by Fuel Type																						
(billion kilowatthours)																						
Coal	137.93	138.61	139.21	143.20	146.82	149.92	153.05	152.34	148.81	148.82	148.82	148.86	148.86	148.87	148.87	148.87	148.87	148.88	148.88	148.88	148.88	0.4%
Petroleum	0.83	2.97	0.95	0.94	0.98	1.02	0.97	0.77	0.76	0.70	0.64	0.70	0.73	0.81	0.80	0.84	0.82	0.86	0.87	0.87	0.95	0.7%
Natural Gas	30.75	30.66	36.12	36.17	35.92	36.80	37.20	43.01	49.81	52.93	57.76	63.67	68.19	71.65	75.58	78.50	81.98	84.42	87.91	90.22	93.08	5.7%
Nuclear	9.79	9.89	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	0.0%
Pumped Storage/Other 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	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	N/A
Renewable Sources 4/	4.73	4.17	5.39	5.64	5.63	5.64	5.45	5.45	5.45	5.45	5.55	5.46	5.46	5.47	5.47	5.47	5.48	5.48	5.49	5.49	5.49	0.8%
Total Generation	183.99	186.25	191.42	195.69	199.10	203.13	206.42	211.32	214.58	217.64	222.53	228.44	232.99	236.55	240.47	243.43	246.90	249.39	252.89	255.21	258.15	1.7%
Sales to Customers	183.92	186.18	191.35	195.62	199.03	203.06	206.35	211.25	214.52	217.57	222.46	228.37	232.92	236.48	240.40	243.36	246.83	249.32	252.82	255.14	258.09	1.7%
Generation for Own Use	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	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	N/A
Cogenerators																						
Coal	3.45	3.39	3.29	3.33	3.36	3.36	3.36	3.36	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.35	3.34	3.34	3.34	3.34	-0.2%
Petroleum	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	1.1%
Natural Gas	3.62	3.78	3.84	3.99	4.08	4.18	4.27	4.35	4.44	4.53	4.63	4.74	4.84	4.95	5.06	5.17	5.29	5.40	5.52	5.65	5.80	2.4%
Other Gaseous Fuels	0.02	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	3.9%
Renewable Sources 4/	2.20	2.20	2.20	2.31	2.39	2.50	2.60	2.71	2.71	2.77	2.83	2.94	3.03	3.11	3.19	3.26	3.34	3.42	3.49	3.56	3.62	2.5%
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	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.1%
Total	9.41	9.51	9.48	9.77	9.99	10.19	10.39	10.56	10.65	10.81	10.97	11.19	11.38	11.57	11.75	11.94	12.14	12.33	12.52	12.72	12.92	1.6%
Sales to Utilities	4.73	4.72	4.71	4.81	4.90	4.97	5.03	5.10	5.17	5.25	5.34	5.44	5.54	5.66	5.76	5.87	5.99	6.11	6.22	6.35	6.48	1.6%
Generation for Own Use	4.68	4.80	4.77	4.96	5.09	5.23	5.36	5.47	5.48	5.55	5.63	5.74	5.83	5.91	5.99	6.06	6.15	6.23	6.30	6.37	6.44	1.6%
End-Use Prices																						
(2000 cents per kilowatthour)																						
Residential	6.2	6.1	5.9	5.8	5.8	5.7	6.4	6.6	6.7	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0	7.0	0.6%
Commercial	5.2	5.1	5.5	5.4	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	5.8	5.9	5.9	5.9	5.9	6.0	6.0	6.0	6.0	0.7%
Industrial	3.4	3.4	3.7	3.6	3.6	3.7	3.7	3.7	3.8	3.8	3.9	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.1	4.1	0.9%
Transportation	5.0	5.2	5.1	4.6	4.5	4.4	4.3	4.6	4.8	5.1	5.2	5.4	5.4	5.5	5.6	5.6	5.5	5.5	5.4	5.3	5.2	0.3%
All Sectors Average	5.0	4.9	5.1	5.0	5.0	5.1	5.3	5.4	5.5	5.6	5.6	5.7	5.6	5.7	5.7	5.7	5.7	5.7	5.8	5.8	5.8	0.7%

Table 68. Electric Power Projections for Electricity Market Module Region (3 of 3)
Southwest Power Pool

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Prices by Service Category																						
(2000 cents/kilowatthour)																						
Generation	2.4	2.5	2.7	2.6	2.6	2.7	3.0	3.0	3.1	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.6	3.6	2.1%
Transmission	0.6	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	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.1%
Distribution	2.1	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	-1.3%
Fuel Consumption (quadrillion Btu) 9/																						
Coal	1.45	1.46	1.47	1.51	1.55	1.59	1.62	1.62	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	0.4%
Natural Gas	0.32	0.31	0.36	0.36	0.35	0.35	0.34	0.36	0.41	0.43	0.46	0.51	0.53	0.56	0.58	0.61	0.63	0.64	0.66	0.68	0.69	4.0%
Oil	0.01	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.4%
Total	1.78	1.80	1.84	1.88	1.91	1.94	1.97	1.99	2.00	2.02	2.05	2.09	2.12	2.15	2.18	2.20	2.22	2.23	2.26	2.27	2.29	1.3%
Emissions (million tons) 10/																						
Total Carbon	47.16	47.59	48.11	49.29	50.19	51.14	52.01	52.36	52.12	52.45	52.99	53.71	54.15	54.58	54.99	55.36	55.66	55.91	56.27	56.46	56.74	0.9%
Carbon Dioxide	172.91	174.48	176.41	180.74	184.03	187.52	190.70	192.00	191.12	192.32	194.32	196.93	198.55	200.15	201.61	202.98	204.10	204.99	206.31	207.00	208.06	0.9%
Sulfur Dioxide	0.43	0.47	0.46	0.48	0.49	0.50	0.51	0.50	0.49	0.48	0.48	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.4%
Nitrogen Oxide	0.28	0.28	0.28	0.29	0.29	0.30	0.30	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	0.29	0.2%

1/ Net summer capability 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-860B, "Annual Electric Generator Report - Nonutility." 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 capability.

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, 2000.

7/ Generation to meet system load by source.

8/ Cogenerators produce 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 cogenerators).

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: 2000 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001).
Other 2000 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, February 2001) and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 69. Electric Power Projections for Electricity Market Module Region (1 of 3)
Western Systems Coordinating Council / Northwest Power Pool Area

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generating Capacity 1/																						
(gigawatts)																						
Coal Steam	10.74	10.74	10.74	10.74	10.74	10.74	10.74	10.74	10.74	10.74	10.99	11.24	11.66	11.92	12.69	13.69	14.67	15.80	17.00	18.07	18.91	2.9%
Other Fossil Steam 2/	0.71	0.71	0.71	0.71	0.71	0.71	0.71	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	0.33	-3.7%
Combined Cycle	1.64	1.64	1.64	1.64	3.02	3.86	3.86	5.84	7.63	9.23	10.54	11.59	12.11	12.45	12.45	12.45	12.45	12.45	12.45	12.45	12.45	10.7%
Combustion Turbine/Diesel	1.11	1.11	2.04	2.81	2.81	2.81	4.04	4.01	4.01	4.20	4.28	4.28	4.15	4.47	4.96	5.60	5.96	6.09	6.09	6.09	6.33	9.1%
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	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	N/A
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	36.10	36.41	36.41	36.58	36.65	36.80	36.94	37.10	37.19	37.47	37.57	37.86	37.99	38.32	38.47	38.63	38.77	38.90	39.03	39.16	39.28	0.4%
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.05	0.27	0.49	0.56	0.62	0.83	1.04	1.27	1.51	1.74	1.93	2.16	2.38	N/A
Total Capability	51.73	52.04	52.97	53.91	55.36	56.36	57.75	59.48	61.38	63.68	65.64	67.30	68.29	69.76	71.38	73.42	75.12	76.75	78.27	79.70	81.12	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	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	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	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	0.00	0.31	0.31	0.48	0.54	0.70	0.72	0.88	0.90	1.07	1.10	1.28	1.31	1.51	1.54	1.58	1.58	1.59	1.60	1.60	1.61	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	0.31	0.31	0.48	0.54	0.70	0.72	0.88	0.90	1.07	1.10	1.28	1.31	1.51	1.54	1.58	1.58	1.59	1.60	1.60	1.61	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	0.24	0.50	0.91	1.18	1.94	2.94	3.93	5.06	6.26	7.33	8.16	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	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	1.38	2.22	2.22	4.20	5.99	7.59	8.90	9.95	10.47	10.82	10.82	10.82	10.82	10.82	10.82	10.82	10.82	N/A
Combustion Turbine/Diesel	0.00	0.00	0.92	1.70	1.70	1.70	2.93	2.93	2.93	3.12	3.20	3.20	3.20	3.53	4.02	4.66	5.02	5.15	5.15	5.15	5.38	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	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	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	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	0.12	0.12	0.19	0.29	0.40	0.50	0.60	0.73	0.85	0.98	1.10	1.23	1.35	1.48	1.60	N/A
Total Unplanned Additions	0.00	0.00	0.92	1.70	3.08	3.92	5.30	7.27	9.15	11.27	13.24	14.71	15.81	17.08	18.68	20.67	22.37	23.99	25.51	26.93	28.34	N/A
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.05	0.27	0.49	0.56	0.62	0.83	1.04	1.27	1.51	1.74	1.93	2.16	2.38	N/A
Cumulative Total Additions	0.00	0.31	1.23	2.18	3.62	4.62	6.01	8.15	10.05	12.35	14.34	16.00	17.12	18.59	20.22	22.25	23.96	25.58	27.10	28.53	29.95	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	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	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	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	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	0.03	0.03	0.03	0.03	0.03	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	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	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	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	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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	N/A
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.41	0.41	0.43	0.43	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	N/A
Cogenerators 8/																						
Capability																						
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	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.0%
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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-0.2%
Natural Gas	0.65	0.66	0.66	0.67	0.68	0.69	0.70	0.70	0.71	0.72	0.73	0.74	0.74	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.83	1.2%
Other Gaseous Fuels	0.01	0.01	0.01	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	0.03	0.03	0.03	0.03	0.03	4.4%
Renewable Sources 4/	0.59	0.59	0.59	0.62	0.64	0.66	0.69	0.71	0.72	0.73	0.75	0.77	0.79	0.81	0.83	0.84	0.86	0.88	0.90	0.91	0.92	2.2%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	1.41	1.43	1.43	1.47	1.50	1.53	1.56	1.60	1.61	1.63	1.66	1.69	1.72	1.75	1.77	1.80	1.83	1.86	1.89	1.91	1.94	1.6%

Table 69. Electric Power Projections for Electricity Market Module Region (2 of 3)
Western Systems Coordinating Council / Northwest Power Pool Area

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Demand																						
(billion kilowatthours)																						
Residential	73.50	74.49	74.73	77.06	78.79	80.56	81.79	82.81	83.67	84.54	85.48	86.57	88.13	89.67	91.16	92.62	93.83	95.12	96.47	97.93	99.43	1.5%
Commercial/Other	73.14	73.63	73.88	76.73	79.95	83.15	86.08	88.82	91.43	94.08	96.85	99.72	102.97	106.26	109.52	112.59	115.61	118.63	121.70	124.83	127.95	2.8%
Industrial	84.72	82.85	82.46	86.75	88.79	91.05	92.95	95.15	97.05	98.92	101.25	103.61	105.43	107.33	108.93	110.39	112.25	114.15	116.49	118.47	120.25	1.8%
Transportation	1.30	1.34	1.38	1.56	1.74	1.90	2.05	2.19	2.32	2.46	2.60	2.74	2.88	3.01	3.14	3.22	3.22	3.21	3.19	3.16	3.13	4.5%
Total Sales	232.66	232.31	232.46	242.10	249.28	256.66	262.88	268.96	274.48	280.00	286.18	292.64	299.39	306.27	312.75	318.83	324.91	331.10	337.84	344.39	350.76	2.1%
Net Energy for Load (billion kilowatthours) 7/																						
Gross International Imports	7.62	9.04	2.60	3.02	4.53	9.14	6.11	4.77	1.63	1.63	1.47	1.31	1.14	0.98	0.82	0.65	0.49	0.33	0.16	0.08	0.00	N/A
Gross International Exports	10.01	10.01	9.96	9.52	13.24	13.26	13.29	13.32	13.34	13.37	12.43	11.47	10.50	9.53	8.56	7.60	6.63	5.66	4.70	4.21	3.73	-4.8%
Gross Interregional Electricity Imports	28.23	41.32	26.19	25.08	23.29	19.23	18.11	18.12	17.92	17.89	16.23	14.41	12.58	10.87	9.06	7.35	5.75	4.32	2.63	1.75	1.00	-15.4%
Gross Interregional Electricity Exports	30.45	28.16	34.29	39.30	37.54	35.86	34.31	35.79	34.17	34.43	29.81	30.26	29.61	29.69	29.30	29.37	27.70	26.72	27.10	26.98	26.51	-0.7%
Purchases from Cogenerators 8/	4.13	4.09	4.16	4.22	4.28	4.35	4.41	4.55	4.61	4.69	4.76	4.85	4.94	5.03	5.13	5.23	5.33	5.43	5.55	5.66	5.77	1.7%
Utility Generation for Customers	251.61	234.42	261.72	277.14	286.95	292.48	301.54	310.69	318.14	324.08	326.76	334.78	342.07	350.02	357.21	364.28	369.84	375.86	384.20	391.47	398.08	2.3%
Total Net Energy for Load	251.13	250.71	250.42	260.63	268.28	276.07	282.59	289.02	294.79	300.49	306.98	313.63	320.63	327.68	334.35	340.55	347.08	353.56	360.74	367.78	374.62	2.0%
Generation by Fuel Type																						
(billion kilowatthours)																						
Coal	80.62	81.12	78.97	79.44	80.47	80.95	81.43	81.90	81.90	81.90	83.71	85.62	88.69	90.66	96.35	103.78	111.11	119.51	128.46	136.42	142.62	2.9%
Petroleum	2.50	3.59	0.64	0.47	0.44	0.29	0.25	0.12	0.08	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-20.0%
Natural Gas	18.94	24.23	24.84	31.73	40.01	44.62	51.92	60.25	66.89	71.43	71.15	75.89	78.87	83.14	83.14	81.55	78.63	75.20	73.52	71.73	71.10	6.8%
Nuclear	7.80	7.94	7.93	8.00	8.07	8.14	8.21	8.28	8.35	8.42	8.49	8.56	8.63	8.70	8.77	8.77	8.77	8.77	8.77	8.77	8.77	0.6%
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	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	N/A
Renewable Sources 4/	142.84	118.61	150.41	158.59	159.06	159.58	160.82	161.24	162.00	163.27	164.27	165.55	166.69	168.24	169.57	170.69	171.75	172.70	173.68	174.69	175.63	1.0%
Total Generation	252.46	235.28	262.57	278.01	287.83	293.36	302.43	311.58	319.02	324.96	327.64	335.67	342.95	350.90	358.09	365.17	370.72	376.74	385.08	392.36	398.96	2.3%
Sales to Customers	251.61	234.42	261.72	277.14	286.95	292.48	301.54	310.69	318.14	324.08	326.76	334.78	342.07	350.02	357.21	364.28	369.84	375.86	384.20	391.47	398.08	2.3%
Generation for Own Use	0.86	0.86	0.85	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.1%
Cogenerators																						
Coal	0.49	0.49	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	-0.2%
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	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	1.1%
Natural Gas	5.17	5.27	5.27	5.42	5.52	5.61	5.71	5.82	5.90	5.99	6.08	6.17	6.26	6.36	6.45	6.56	6.67	6.77	6.89	7.01	7.14	1.6%
Other Gaseous Fuels	0.04	0.04	0.04	0.06	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	0.07	0.07	0.08	0.08	3.9%
Renewable Sources 4/	2.35	2.32	2.36	2.46	2.53	2.63	2.72	2.84	2.84	2.89	2.94	3.04	3.12	3.18	3.25	3.31	3.38	3.45	3.51	3.57	3.62	2.2%
Other	0.07	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	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.1%
Total	8.17	8.24	8.28	8.54	8.72	8.91	9.09	9.32	9.40	9.54	9.69	9.88	10.05	10.21	10.37	10.54	10.72	10.89	11.07	11.25	11.43	1.7%
Sales to Utilities	4.13	4.09	4.16	4.22	4.28	4.35	4.41	4.55	4.61	4.69	4.76	4.85	4.94	5.03	5.13	5.23	5.33	5.43	5.55	5.66	5.77	1.7%
Generation for Own Use	4.04	4.14	4.12	4.33	4.44	4.56	4.68	4.77	4.79	4.85	4.92	5.03	5.11	5.18	5.24	5.31	5.39	5.46	5.53	5.59	5.66	1.7%
End-Use Prices																						
(2000 cents per kilowatthour)																						
Residential	6.1	6.4	6.4	5.8	5.9	6.0	6.0	6.2	6.3	6.5	6.6	6.6	6.5	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	0.4%
Commercial	5.6	6.1	5.9	5.3	5.4	5.4	5.4	5.5	5.6	5.7	5.8	5.8	5.7	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.8	0.1%
Industrial	3.2	3.3	3.3	3.0	3.0	3.1	3.1	3.1	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.3	3.3	3.3	3.3	3.3	3.3	0.2%
Transportation	5.4	5.8	5.7	4.8	4.5	4.4	4.3	4.5	4.8	5.0	5.2	5.3	5.4	5.5	5.6	5.6	5.5	5.4	5.3	5.2	5.0	-0.4%
All Sectors Average	4.9	5.2	5.2	4.6	4.7	4.8	4.8	4.9	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.2	5.2	5.2	0.3%

Table 69. Electric Power Projections for Electricity Market Module Region (3 of 3)
Western Systems Coordinating Council / Northwest Power Pool Area

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Prices by Service Category																						
(2000 cents/kilowatthour)																						
Generation	2.5	2.9	2.8	2.3	2.4	2.4	2.5	2.5	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	0.7%
Transmission	0.9	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.5%
Distribution	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	-0.6%
Fuel Consumption (quadrillion Btu) 9/																						
Coal	0.85	0.86	0.84	0.84	0.85	0.86	0.86	0.87	0.87	0.87	0.89	0.90	0.93	0.95	1.00	1.07	1.13	1.21	1.29	1.36	1.42	2.6%
Natural Gas	0.17	0.23	0.24	0.31	0.36	0.38	0.44	0.48	0.51	0.53	0.51	0.53	0.55	0.58	0.58	0.57	0.55	0.52	0.51	0.50	0.49	5.3%
Oil	0.03	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-20.2%
Total	1.05	1.13	1.09	1.15	1.21	1.25	1.31	1.35	1.38	1.40	1.39	1.44	1.48	1.53	1.58	1.64	1.68	1.73	1.80	1.86	1.91	3.0%
Emissions (million tons) 10/																						
Total Carbon	27.79	29.09	27.85	28.94	30.09	30.67	31.74	32.45	32.95	33.26	33.44	34.38	35.51	36.52	38.02	39.79	41.36	43.17	45.32	47.23	48.79	2.9%
Carbon Dioxide	101.90	106.65	102.11	106.12	110.33	112.45	116.36	118.97	120.82	121.95	122.62	126.06	130.19	133.90	139.40	145.91	151.66	158.28	166.19	173.17	178.91	2.9%
Sulfur Dioxide	0.16	0.15	0.11	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	0.10	0.10	0.10	0.10	0.10	-2.2%
Nitrogen Oxide	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.19	0.19	0.19	0.9%

1/ Net summer capability 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-860B, "Annual Electric Generator Report - Nonutility." 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 capability.

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, 2000.

7/ Generation to meet system load by source.

8/ Cogenerators produce 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 cogenerators).

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: 2000 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001).
Other 2000 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, February 2001) and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 70. Electric Power Projections for Electricity Market Module Region (1 of 3)
Western Systems Coordinating Council / Rocky Mountain Power Area, Arizona, New Mexico, and Southern Nevada

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generating Capacity 1/																						
(gigawatts)																						
Coal Steam	15.82	15.82	15.82	15.82	15.82	16.84	17.66	18.31	19.49	20.26	20.75	20.86	21.52	22.01	22.38	23.00	23.55	24.16	24.83	25.59	26.30	2.6%
Other Fossil Steam 2/	2.79	2.79	2.79	2.79	2.79	2.79	2.75	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	-1.4%
Combined Cycle	1.98	2.90	2.90	2.90	4.22	4.92	4.92	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.0%
Combustion Turbine/Diesel	3.17	3.17	3.94	4.70	4.70	4.70	5.62	6.61	6.61	6.61	6.61	6.61	6.61	6.61	7.10	7.16	7.58	7.65	7.98	7.98	8.38	5.0%
Nuclear Power	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	N/A
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	5.83	5.93	5.93	5.93	5.93	5.93	5.94	5.94	5.94	5.95	5.95	5.95	5.96	5.96	5.96	5.99	6.02	6.05	6.09	6.17	6.25	0.3%
Distributed Generation 5/	0.00	0.00	0.00	0.04	0.04	0.04	0.09	0.14	0.14	0.14	0.16	0.18	0.23	0.29	0.47	0.66	0.84	0.97	1.16	1.26	1.45	N/A
Total Capability	33.04	34.07	34.84	35.64	36.96	38.68	40.44	41.80	42.99	43.75	44.27	44.40	45.11	45.67	46.71	47.61	48.78	49.64	50.86	51.80	53.17	2.4%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combined Cycle	0.00	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	0.00	0.09	0.10	0.10	0.10	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	0.14	0.15	0.15	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	1.02	1.02	1.03	1.03	1.03	1.03	1.03	1.04	1.04	1.04	1.05	1.05	1.05	1.06	1.06	1.06	1.07	1.07	1.07	1.08	N/A
Cumulative Unplanned Additions 6/																						
Coal Steam	0.00	0.00	0.00	0.00	0.00	1.02	1.95	2.60	3.78	4.54	5.04	5.15	5.80	6.30	6.67	7.29	7.84	8.45	9.12	9.88	10.59	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	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	1.32	2.02	2.02	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	2.34	N/A
Combustion Turbine/Diesel	0.00	0.00	0.77	1.53	1.53	1.53	2.45	3.44	3.44	3.44	3.44	3.44	3.44	3.44	3.93	3.99	4.41	4.48	4.81	4.81	5.21	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	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	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	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	0.00	0.00	0.02	0.05	0.08	0.11	0.19	0.26	N/A
Total Unplanned Additions	0.00	0.00	0.77	1.57	2.89	4.61	6.51	8.52	9.70	10.47	10.98	11.11	11.82	12.37	13.40	14.30	15.47	16.32	17.54	18.48	19.85	N/A
Distributed Generation 5/	0.00	0.00	0.00	0.04	0.04	0.04	0.09	0.14	0.14	0.14	0.16	0.18	0.23	0.29	0.47	0.66	0.84	0.97	1.16	1.26	1.45	N/A
Cumulative Total Additions	0.00	1.02	1.79	2.59	3.92	5.63	7.54	9.55	10.74	11.51	12.02	12.16	12.87	13.42	14.46	15.36	16.53	17.39	18.61	19.55	20.92	N/A
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	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	N/A
Other Fossil Steam 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.04	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	0.69	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	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	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	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	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	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	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	0.15	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	0.80	N/A
Cogenerators 8/																						
Capability																						
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	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	-0.1%
Petroleum	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	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-0.2%
Natural Gas	1.14	1.15	1.15	1.15	1.16	1.17	1.18	1.18	1.19	1.19	1.20	1.21	1.22	1.22	1.23	1.24	1.25	1.26	1.27	1.27	1.28	0.6%
Other Gaseous Fuels	0.03	0.03	0.03	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	0.07	0.07	0.08	0.08	0.08	4.4%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	1.32	1.33	1.34	1.36	1.37	1.38	1.38	1.39	1.40	1.41	1.41	1.42	1.43	1.44	1.45	1.46	1.47	1.48	1.49	1.50	1.52	0.7%

Table 70. Electric Power Projections for Electricity Market Module Region (2 of 3)
Western Systems Coordinating Council / Rocky Mountain Power Area, Arizona, New Mexico, and Southern Nevada

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Demand																						
(billion kilowatthours)																						
Residential	51.52	54.21	55.41	57.69	58.94	60.11	61.07	62.12	63.21	64.36	65.56	66.81	68.12	69.46	70.87	72.40	73.79	75.26	76.78	78.33	79.92	2.2%
Commercial/Other	57.83	60.13	60.80	63.17	65.10	66.97	68.97	71.13	73.41	75.90	78.53	81.17	83.85	86.50	89.25	91.96	94.71	97.45	100.23	102.98	105.72	3.1%
Industrial	33.61	32.83	32.69	33.35	34.18	35.07	35.84	36.70	37.45	38.19	39.12	40.06	40.79	41.56	42.27	42.98	43.67	44.42	45.26	46.04	46.76	1.7%
Transportation	0.65	0.67	0.70	0.80	0.89	0.98	1.07	1.15	1.23	1.31	1.39	1.47	1.55	1.64	1.72	1.77	1.78	1.78	1.78	1.77	1.77	5.1%
Total Sales	143.61	147.84	149.59	155.00	159.11	163.14	166.95	171.10	175.29	179.76	184.60	189.51	194.32	199.15	204.11	209.10	213.96	218.92	224.04	229.12	234.16	2.5%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Gross Interregional Electricity Imports	22.52	21.25	22.07	23.16	22.13	21.28	20.83	20.89	20.81	19.84	17.76	15.82	14.21	12.83	11.11	9.67	8.29	6.35	4.55	3.87	3.13	-9.4%
Gross Interregional Electricity Exports	48.81	45.08	43.07	43.14	44.26	47.50	49.36	49.88	47.85	45.29	40.93	36.91	33.80	30.49	26.70	23.16	20.17	17.30	14.85	13.82	12.96	-6.4%
Purchases from Cogenerators 8/	6.20	6.19	6.19	6.22	6.23	6.25	6.27	6.28	6.30	6.32	6.34	6.36	6.38	6.41	6.43	6.45	6.48	6.51	6.53	6.56	6.59	0.3%
Utility Generation for Customers	177.65	179.80	178.90	183.65	190.03	198.28	204.60	209.39	211.89	215.11	217.95	220.91	224.39	227.44	230.49	233.53	237.08	241.42	246.16	251.22	256.47	1.9%
Total Net Energy for Load	157.55	162.16	164.09	169.88	174.14	178.30	182.34	186.68	191.14	195.99	201.12	206.19	211.18	216.18	221.32	226.49	231.68	236.98	242.40	247.84	253.23	2.4%
Generation by Fuel Type																						
(billion kilowatthours)																						
Coal	114.15	113.29	112.02	114.12	115.94	124.68	132.00	137.90	146.67	152.34	155.92	156.81	161.68	165.38	168.12	172.73	176.81	181.38	186.34	192.00	197.25	2.8%
Petroleum	1.68	1.81	0.16	0.09	0.08	0.07	0.07	0.06	0.05	0.05	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-16.8%
Natural Gas	22.64	27.51	26.49	28.59	33.16	32.68	31.66	30.54	24.28	21.83	20.96	23.06	21.65	21.03	21.26	19.47	18.82	18.40	17.98	17.06	16.70	-1.5%
Nuclear	22.73	22.95	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	0.0%
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	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	N/A
Renewable Sources 4/	17.16	15.02	18.26	18.86	18.86	18.86	18.86	18.86	18.86	18.87	18.98	18.94	18.94	18.89	18.89	19.03	19.07	19.20	19.32	19.59	19.88	0.7%
Total Generation	178.33	180.54	179.63	184.38	190.76	199.00	205.33	210.11	212.61	215.84	218.67	221.64	225.11	228.16	231.21	234.25	237.80	242.14	246.89	251.95	257.20	1.8%
Sales to Customers	177.65	179.80	178.90	183.65	190.03	198.28	204.60	209.39	211.89	215.11	217.95	220.91	224.39	227.44	230.49	233.53	237.08	241.42	246.16	251.22	256.47	1.9%
Generation for Own Use	0.68	0.74	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	0.72	0.72	0.72	0.72	0.72	0.72	0.3%
Cogenerators																						
Coal	0.62	0.61	0.60	0.60	0.61	0.61	0.61	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	0.60	-0.2%
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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.1%
Natural Gas	6.62	6.67	6.68	6.75	6.80	6.84	6.89	6.93	6.97	7.01	7.06	7.10	7.15	7.20	7.24	7.30	7.35	7.40	7.46	7.52	7.58	0.7%
Other Gaseous Fuels	0.02	0.02	0.02	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	0.04	0.04	0.04	0.04	0.04	3.9%
Renewable Sources 4/	0.13	0.13	0.13	0.14	0.14	0.15	0.16	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.22	2.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	7.42	7.46	7.46	7.55	7.61	7.66	7.71	7.76	7.80	7.85	7.90	7.95	8.00	8.05	8.11	8.16	8.22	8.28	8.34	8.41	8.48	0.7%
Sales to Utilities	6.20	6.19	6.19	6.22	6.23	6.25	6.27	6.28	6.30	6.32	6.34	6.36	6.38	6.41	6.43	6.45	6.48	6.51	6.53	6.56	6.59	0.3%
Generation for Own Use	1.22	1.27	1.27	1.34	1.38	1.41	1.45	1.48	1.50	1.52	1.55	1.59	1.62	1.65	1.68	1.71	1.74	1.77	1.81	1.84	1.88	2.2%
End-Use Prices																						
(2000 cents per kilowatthour)																						
Residential	8.0	7.8	7.7	7.7	8.2	8.3	8.3	8.3	8.4	8.4	8.3	8.5	8.4	8.5	8.4	8.4	8.3	8.3	8.3	8.3	8.3	0.1%
Commercial	6.8	6.6	6.7	6.8	7.4	7.3	7.3	7.2	7.1	7.0	6.9	7.1	7.1	7.3	7.2	7.2	7.1	7.1	7.0	7.1	7.0	0.1%
Industrial	4.7	4.6	4.6	4.7	5.1	5.0	5.0	4.9	4.8	4.7	4.7	4.8	4.8	4.9	4.8	4.8	4.7	4.7	4.7	4.7	4.7	0.0%
Transportation	7.0	7.1	7.3	6.7	6.4	6.1	6.1	6.3	6.5	6.6	6.7	6.9	7.0	7.1	7.1	7.0	6.9	6.8	6.7	6.6	6.5	-0.4%
All Sectors Average	6.7	6.6	6.6	6.7	7.2	7.2	7.2	7.1	7.1	7.0	7.0	7.1	7.1	7.2	7.1	7.1	7.0	7.0	7.0	7.0	7.0	0.2%

Table 70. Electric Power Projections for Electricity Market Module Region (3 of 3)
Western Systems Coordinating Council / Rocky Mountain Power Area, Arizona, New Mexico, and Southern Nevada

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Prices by Service Category																						
(2000 cents/kilowatthour)																						
Generation	3.9	3.9	3.9	3.9	4.4	4.3	4.3	4.2	4.1	4.0	4.0	4.1	4.1	4.3	4.2	4.2	4.1	4.1	4.0	4.1	4.1	0.2%
Transmission	0.8	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	1.0	0.9	0.9	0.9	0.9	1.1%
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	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	-0.4%
Fuel Consumption (quadrillion Btu) 9/																						
Coal	1.20	1.19	1.18	1.20	1.22	1.30	1.37	1.43	1.51	1.56	1.60	1.60	1.65	1.68	1.71	1.75	1.79	1.83	1.87	1.92	1.97	2.5%
Natural Gas	0.25	0.29	0.27	0.29	0.31	0.28	0.27	0.25	0.20	0.18	0.17	0.19	0.18	0.18	0.18	0.16	0.16	0.15	0.15	0.14	0.14	-2.9%
Oil	0.02	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-17.3%
Total	1.47	1.50	1.45	1.49	1.53	1.59	1.64	1.68	1.71	1.74	1.77	1.80	1.83	1.86	1.89	1.91	1.94	1.98	2.02	2.07	2.11	1.8%
Emissions (million tons) 10/																						
Total Carbon	38.44	38.86	37.74	38.70	39.47	41.51	43.33	44.68	46.15	47.36	48.22	48.81	49.91	50.82	51.59	52.55	53.54	54.69	55.95	57.33	58.67	2.1%
Carbon Dioxide	140.95	142.49	138.39	141.90	144.73	152.22	158.86	163.83	169.20	173.65	176.81	178.97	183.01	186.35	189.15	192.69	196.33	200.54	205.15	210.20	215.13	2.1%
Sulfur Dioxide	0.20	0.20	0.19	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.0%
Nitrogen Oxide	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.7%

1/ Net summer capability 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-860B, "Annual Electric Generator Report - Nonutility." 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 capability.

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, 2000.

7/ Generation to meet system load by source.

8/ Cogenerators produce 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 cogenerators).

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: 2000 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001).
Other 2000 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, February 2001) and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 71. Electric Power Projections for Electricity Market Module Region (1 of 3)
Western Systems Coordinating Council / California

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generating Capacity 1/																						
(gigawatts)																						
Coal Steam	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	4.92	4.92	4.92	4.92	4.92	4.92	4.92	5.00	0.1%
Other Fossil Steam 2/	19.14	19.14	19.14	19.14	19.14	19.14	19.00	17.61	17.61	17.61	17.61	17.61	17.61	17.61	17.61	17.61	17.61	17.61	17.61	17.61	17.61	-0.4%
Combined Cycle	1.41	1.41	1.41	1.41	2.81	4.81	4.81	7.02	9.37	11.94	14.54	15.05	16.13	17.09	18.37	19.83	21.31	22.55	23.21	24.29	24.85	15.4%
Combustion Turbine/Diesel	2.64	2.68	3.77	5.09	5.09	5.07	7.08	7.04	7.04	7.04	7.04	8.29	9.22	10.37	11.38	12.32	13.29	14.50	16.02	17.44	19.10	10.4%
Nuclear Power	5.33	5.33	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	0.0%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	15.84	15.91	16.72	17.07	17.30	17.64	17.64	17.65	17.68	17.78	17.78	17.79	17.90	17.98	18.03	18.07	18.10	18.13	18.16	18.22	18.28	0.7%
Distributed Generation 5/	0.00	0.00	0.00	0.06	0.06	0.06	0.13	0.24	0.55	0.55	0.55	0.86	1.13	1.41	1.70	2.03	2.37	2.70	3.03	3.34	3.64	N/A
Total Capability	53.01	53.12	55.05	56.76	58.40	60.72	62.66	63.55	66.25	68.92	71.53	73.59	75.99	78.45	81.09	83.85	86.67	89.49	92.03	94.89	97.56	3.1%
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combustion Turbine/Diesel	0.00	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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	0.00	0.07	0.89	1.23	1.57	1.91	1.92	1.92	1.92	1.93	1.93	1.94	1.94	1.95	1.96	1.96	1.97	1.98	1.98	1.99	2.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	0.11	0.93	1.27	1.61	1.95	1.96	1.96	1.97	1.97	1.98	1.98	1.99	1.99	2.00	2.01	2.01	2.02	2.03	2.04	2.04	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	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	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	1.40	3.40	3.40	5.60	7.96	10.53	13.13	13.64	14.72	15.68	16.96	18.42	19.90	21.14	21.80	22.88	23.44	N/A
Combustion Turbine/Diesel	0.00	0.00	1.09	2.41	2.41	2.41	4.47	4.47	4.47	4.47	4.47	5.72	6.65	7.80	8.81	9.75	10.72	11.93	13.45	14.87	16.53	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	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	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	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	0.02	0.12	0.12	0.13	0.22	0.30	0.35	0.38	0.40	0.43	0.45	0.50	0.55	N/A
Total Unplanned Additions	0.00	0.00	1.09	2.47	3.87	5.87	8.00	10.31	13.00	15.67	18.27	20.34	22.73	25.19	27.82	30.57	33.38	36.20	38.73	41.58	44.24	N/A
Distributed Generation 5/	0.00	0.00	0.00	0.06	0.06	0.06	0.13	0.24	0.55	0.55	0.55	0.86	1.13	1.41	1.70	2.03	2.37	2.70	3.03	3.34	3.64	N/A
Cumulative Total Additions	0.00	0.11	2.02	3.74	5.48	7.82	9.96	12.27	14.97	17.64	20.25	22.32	24.71	27.18	29.81	32.58	35.39	38.22	40.76	43.62	46.28	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	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	0.14	1.53	1.53	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
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	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	0.02	0.07	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	0.11	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	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	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	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	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	N/A
Total	0.00	0.00	0.00	0.00	0.11	0.13	0.32	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	N/A
Cogenerators 8/																						
Capability																						
Coal	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	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.0%
Petroleum	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	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	-0.1%
Natural Gas	4.95	5.40	5.43	5.49	5.58	5.66	5.74	5.81	5.88	5.96	6.04	6.12	6.20	6.28	6.37	6.46	6.56	6.65	6.75	6.86	6.97	1.7%
Other Gaseous Fuels	0.08	0.08	0.08	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.18	0.18	0.19	4.4%
Renewable Sources 4/	0.18	0.18	0.18	0.19	0.20	0.20	0.21	0.22	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.27	0.28	2.1%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	5.80	6.25	6.27	6.39	6.48	6.57	6.66	6.74	6.81	6.89	6.98	7.08	7.17	7.26	7.35	7.45	7.55	7.66	7.77	7.88	8.01	1.6%

Table 71. Electric Power Projections for Electricity Market Module Region (2 of 3)
Western Systems Coordinating Council / California

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Demand																						
(billion kilowatthours)																						
Residential	76.90	76.67	76.28	78.31	80.09	81.99	83.21	84.06	84.67	85.23	85.89	86.73	88.21	89.66	90.99	92.21	93.14	94.13	95.18	96.37	97.61	1.2%
Commercial/Other	108.25	106.85	106.74	110.82	116.27	121.68	126.37	130.45	134.08	137.59	141.22	145.09	149.77	154.59	159.21	163.44	167.48	171.54	175.68	179.99	184.28	2.7%
Industrial	64.06	62.67	62.38	66.93	68.45	70.17	71.60	73.28	74.72	76.13	77.90	79.68	81.05	82.47	83.57	84.52	85.98	87.40	89.28	90.78	92.10	1.8%
Transportation	1.52	1.56	1.60	1.81	2.00	2.19	2.35	2.49	2.64	2.79	2.94	3.09	3.24	3.38	3.52	3.59	3.59	3.56	3.54	3.50	3.45	4.2%
Total Sales	250.73	247.74	247.00	257.86	266.80	276.02	283.52	290.29	296.11	301.74	307.95	314.60	322.26	330.10	337.30	343.77	350.18	356.64	363.68	370.64	377.44	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Gross International Exports	1.19	1.23	1.27	1.32	1.36	1.41	1.46	1.51	1.56	1.61	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.7%
Gross Interregional Electricity Imports	57.29	50.88	56.55	60.29	59.77	61.39	62.39	64.00	59.78	57.16	49.54	48.32	46.17	45.24	42.69	40.30	37.32	34.90	34.07	33.54	32.76	-2.8%
Gross Interregional Electricity Exports	16.93	25.10	12.20	11.01	8.47	7.98	7.98	7.98	7.98	7.98	7.18	6.43	5.61	4.81	4.00	3.20	2.40	1.61	0.81	0.41	0.01	-31.2%
Purchases from Cogenerators 8/	28.31	28.67	28.43	28.74	28.94	29.13	29.36	29.56	29.79	30.04	30.30	30.59	30.88	31.18	31.49	31.81	32.14	32.49	32.87	33.27	33.68	0.9%
Utility Generation for Customers	206.10	216.61	197.68	204.13	211.47	219.05	225.84	231.16	241.16	249.31	262.30	269.33	278.42	286.43	295.33	303.28	312.05	320.30	327.59	334.84	342.14	2.6%
Total Net Energy for Load	273.57	269.83	269.19	280.83	290.35	300.18	308.15	315.24	321.20	326.92	333.30	340.14	348.20	356.37	363.83	370.51	377.45	384.41	392.05	399.57	406.91	2.0%
Generation by Fuel Type																						
(billion kilowatthours)																						
Coal	37.54	37.11	36.42	36.97	37.43	37.62	37.82	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.62	0.1%
Petroleum	2.09	3.20	1.14	1.36	1.42	1.38	1.59	0.81	0.76	0.55	0.53	0.50	0.53	0.80	1.45	1.15	1.62	0.47	0.81	4.04	2.07	-0.1%
Natural Gas	71.43	87.23	59.23	62.37	68.23	74.44	80.38	86.04	95.75	103.34	116.35	123.27	131.43	138.41	146.11	154.01	161.96	170.99	177.60	181.06	189.16	5.0%
Nuclear	42.79	43.33	44.46	43.15	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	0.0%
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	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	N/A
Renewable Sources 4/	56.71	50.21	60.99	64.84	65.75	66.97	67.37	67.37	67.56	68.33	68.34	68.34	69.13	69.76	70.18	70.39	70.60	70.81	71.01	71.44	71.86	1.2%
Total Generation	210.12	220.64	201.79	208.28	215.60	223.18	229.96	235.07	245.07	253.22	266.21	273.24	282.33	290.34	299.24	307.19	315.96	324.21	331.50	338.75	346.05	2.5%
Sales to Customers	206.10	216.61	197.68	204.13	211.47	219.05	225.84	231.16	241.16	249.31	262.30	269.33	278.42	286.43	295.33	303.28	312.05	320.30	327.59	334.84	342.14	2.6%
Generation for Own Use	4.02	4.03	4.11	4.16	4.13	4.13	4.13	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	-0.1%
Cogenerators																						
Coal	1.59	1.57	1.54	1.55	1.56	1.56	1.56	1.56	1.55	1.55	1.55	1.55	1.55	1.55	1.54	1.54	1.54	1.54	1.54	1.54	1.54	-0.2%
Petroleum	0.69	1.06	0.59	0.65	0.65	0.65	0.65	0.66	0.66	0.66	0.67	0.67	0.74	0.82	0.86	0.78	0.80	0.70	0.74	0.93	0.81	0.8%
Natural Gas	38.20	39.00	39.35	40.45	41.25	41.98	42.73	43.37	44.02	44.69	45.43	46.19	46.88	47.56	48.27	49.19	50.05	51.01	51.91	52.67	53.84	1.7%
Other Gaseous Fuels	0.46	0.46	0.46	0.70	0.70	0.71	0.73	0.73	0.74	0.76	0.78	0.79	0.82	0.84	0.85	0.86	0.88	0.90	0.93	0.95	0.98	3.9%
Renewable Sources 4/	1.14	1.14	1.14	1.19	1.22	1.27	1.31	1.35	1.36	1.38	1.41	1.45	1.49	1.52	1.55	1.58	1.62	1.65	1.68	1.71	1.73	2.1%
Other	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.1%
Total	42.45	43.61	43.46	44.91	45.76	46.54	47.36	48.04	48.70	49.42	50.20	51.03	51.84	52.65	53.46	54.33	55.26	56.17	57.17	58.17	59.28	1.7%
Sales to Utilities	28.31	28.67	28.43	28.74	28.94	29.13	29.36	29.56	29.79	30.04	30.30	30.59	30.88	31.18	31.49	31.81	32.14	32.49	32.87	33.27	33.68	0.9%
Generation for Own Use	14.14	14.94	15.03	16.17	16.82	17.41	18.00	18.48	18.91	19.38	19.90	20.44	20.96	21.47	21.97	22.52	23.12	23.69	24.30	24.90	25.60	3.0%
End-Use Prices																						
(2000 cents per kilowatthour)																						
Residential	11.1	14.8	14.4	13.2	12.2	11.4	11.2	11.2	11.3	11.3	11.3	11.3	10.7	10.6	10.5	10.5	10.6	10.6	10.6	10.6	10.6	-0.2%
Commercial	11.2	14.7	13.4	12.1	11.1	10.3	10.0	9.9	10.0	10.0	10.0	10.0	9.3	9.2	9.2	9.2	9.2	9.3	9.3	9.2	9.2	-1.0%
Industrial	7.5	9.9	8.6	7.7	7.0	6.5	6.3	6.3	6.3	6.4	6.3	6.3	5.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	-1.3%
Transportation	10.9	10.4	10.1	8.9	8.3	7.8	7.5	7.7	8.0	8.3	8.5	8.7	8.8	8.9	9.0	9.0	8.9	8.7	8.5	8.2	8.0	-1.5%
All Sectors Average	10.2	13.5	12.4	11.3	10.4	9.6	9.4	9.4	9.4	9.4	9.4	9.4	8.8	8.7	8.7	8.7	8.8	8.8	8.8	8.8	8.8	-0.8%

Table 71. Electric Power Projections for Electricity Market Module Region (3 of 3)
Western Systems Coordinating Council / California

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Prices by Service Category																						
(2000 cents/kilowatthour)																						
Generation	6.5	10.0	8.9	7.6	6.7	6.0	5.7	5.6	5.6	5.6	5.5	5.5	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	-1.5%
Transmission	0.8	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.8%
Distribution	2.9	2.7	2.8	2.9	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	-0.1%
Fuel Consumption (quadrillion Btu) 9/																						
Coal	0.38	0.38	0.37	0.37	0.38	0.38	0.38	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	0.39	0.2%
Natural Gas	0.72	0.89	0.59	0.63	0.66	0.68	0.74	0.75	0.80	0.81	0.88	0.93	0.99	1.04	1.08	1.13	1.17	1.23	1.27	1.29	1.35	3.2%
Oil	0.02	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.03	0.02	-1.8%
Total	1.13	1.30	0.97	1.02	1.05	1.08	1.14	1.15	1.20	1.21	1.27	1.33	1.38	1.43	1.48	1.52	1.57	1.62	1.66	1.71	1.75	2.2%
Emissions (million tons) 10/																						
Total Carbon	22.83	25.57	20.16	20.94	21.60	22.04	23.08	23.16	23.94	24.09	25.18	26.02	26.93	27.73	28.61	29.25	30.05	30.79	31.59	32.39	33.19	1.9%
Carbon Dioxide	83.71	93.77	73.92	76.77	79.21	80.82	84.63	84.91	87.78	88.34	92.34	95.41	98.73	101.69	104.89	107.25	110.20	112.91	115.84	118.77	121.71	1.9%
Sulfur Dioxide	0.09	0.09	0.08	0.07	0.07	0.07	0.08	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	0.07	-1.3%
Nitrogen Oxide	0.09	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.5%

1/ Net summer capability 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-860B, "Annual Electric Generator Report - Nonutility." 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 capability.

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, 2000.

7/ Generation to meet system load by source.

8/ Cogenerators produce 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 cogenerators).

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: 2000 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001). Other 2000 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, February 2001) and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 72. Electric Power Projections for Electricity Market Module Region (1 of 3)
United States

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generating Capacity 1/																						
(gigawatts)																						
Coal Steam	304.57	304.57	304.94	304.61	303.32	303.73	302.72	302.73	303.43	304.76	305.71	306.47	308.13	309.43	310.67	313.13	315.77	318.92	321.15	325.02	329.02	0.4%
Other Fossil Steam 2/	134.96	134.54	133.46	132.56	130.61	127.43	123.59	117.77	115.79	115.72	115.59	115.28	115.23	114.85	114.54	114.38	114.38	113.69	113.63	113.53	113.31	-0.9%
Combined Cycle	30.56	35.25	36.48	36.48	49.83	59.60	70.85	93.03	111.26	127.53	139.86	149.77	158.47	164.98	174.51	182.43	189.51	196.43	202.56	208.60	213.82	10.2%
Combustion Turbine/Diesel	77.73	80.95	90.82	97.90	99.42	104.91	117.59	122.46	125.31	127.26	128.85	130.62	131.81	137.52	143.85	149.61	155.54	161.77	167.77	173.47	177.85	4.2%
Nuclear Power	97.51	97.57	97.70	97.70	97.70	97.70	97.70	94.96	94.96	94.96	94.34	93.56	92.77	92.10	89.59	88.83	88.83	88.02	88.02	88.02	88.02	-0.5%
Pumped Storage/Other 3/	19.18	19.52	19.56	19.60	19.64	19.64	19.64	19.64	19.64	19.64	19.64	19.64	19.64	19.64	19.64	19.64	19.64	19.64	19.64	19.64	19.64	0.1%
Fuel Cells	0.00	0.00	0.01	0.03	0.04	0.06	0.07	0.09	0.11	0.13	0.16	0.18	0.21	0.22	0.23	0.24	0.25	0.25	0.25	0.25	0.25	35.2%
Renewable Sources 4/	89.13	91.43	92.78	93.70	94.33	95.16	95.65	96.01	96.34	96.90	97.19	97.64	97.99	98.49	98.97	99.46	99.94	100.29	100.52	100.84	101.22	0.6%
Distributed Generation 5/	0.00	0.00	0.00	0.25	0.47	0.86	1.50	2.19	3.24	4.15	5.08	5.92	6.90	8.08	9.54	11.09	12.68	14.33	15.96	17.52	19.05	N/A
Total Capability	753.64	763.83	775.77	782.83	795.36	809.08	829.31	848.88	870.07	891.06	906.43	919.09	931.14	945.30	961.54	978.81	996.55	1013.35	1029.50	1046.89	1062.19	1.7%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combined Cycle	0.00	4.69	5.14	5.14	6.62	6.62	6.62	6.62	6.62	6.62	6.62	6.62	6.62	6.62	6.62	6.62	6.62	6.62	6.62	6.62	6.62	N/A
Combustion Turbine/Diesel	0.00	3.34	3.34	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Pumped Storage/Other 3/	0.00	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	N/A
Fuel Cells	0.00	0.00	0.01	0.03	0.04	0.06	0.07	0.09	0.11	0.13	0.16	0.18	0.21	0.22	0.23	0.24	0.25	0.25	0.25	0.25	0.25	N/A
Renewable Sources 4/	0.00	2.22	3.43	4.23	4.90	5.63	5.86	6.21	6.43	6.80	6.96	7.23	7.35	7.63	7.75	7.92	8.01	8.05	8.09	8.13	8.18	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	10.54	12.22	13.36	15.52	16.27	16.51	16.88	17.12	17.51	17.70	18.00	18.14	18.43	18.56	18.74	18.84	18.89	18.93	18.97	19.01	N/A
Cumulative Unplanned Additions 6/																						
Coal Steam	0.00	0.00	0.00	0.00	0.00	1.02	1.95	2.60	3.78	5.12	6.15	6.92	8.64	9.94	11.69	14.15	16.78	19.94	23.38	27.24	31.25	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	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	11.87	21.64	32.89	55.07	73.30	89.58	101.90	111.81	120.52	127.02	136.55	144.47	151.56	158.48	164.60	170.65	175.87	N/A
Combustion Turbine/Diesel	0.00	0.00	10.03	17.76	20.99	28.17	41.15	46.41	49.34	51.57	53.58	55.99	58.80	64.63	70.96	76.72	82.65	88.95	95.02	100.77	105.94	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	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	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	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	0.02	0.15	0.15	0.26	0.46	0.61	0.79	1.02	1.24	1.59	1.92	2.31	2.62	2.80	3.09	3.42	N/A
Total Unplanned Additions	0.00	0.00	10.03	18.01	33.33	51.71	77.64	106.42	129.93	150.88	167.33	181.42	195.87	210.91	230.34	248.35	265.99	284.32	301.76	319.26	335.53	N/A
Distributed Generation 5/	0.00	0.00	0.00	0.25	0.47	0.86	1.50	2.19	3.24	4.15	5.08	5.92	6.90	8.08	9.54	11.09	12.68	14.33	15.96	17.52	19.05	N/A
Cumulative Total Additions	0.00	10.54	22.24	31.37	48.84	67.99	94.15	123.30	147.05	168.39	185.03	199.42	214.01	229.34	248.90	267.09	284.83	303.20	320.69	338.23	354.54	N/A
Cumulative Retirements 7/																						
Coal Steam	0.00	0.20	0.20	0.20	1.47	2.08	4.03	4.66	5.14	5.16	5.24	5.24	5.31	5.31	5.81	5.81	5.81	5.81	7.02	7.02	7.02	N/A
Other Fossil Steam 3/	0.00	0.21	0.40	1.24	3.19	6.40	10.24	16.06	18.04	18.11	18.24	18.55	18.60	18.98	19.29	19.45	19.45	20.14	20.20	20.30	20.52	N/A
Combined Cycle	0.00	0.00	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	0.04	0.04	0.04	0.04	0.04	0.04	N/A
Combustion Turbine/Diesel	0.00	0.11	0.27	1.25	2.96	4.66	4.95	5.34	5.43	5.70	6.12	6.76	8.38	8.50	8.50	8.50	8.50	8.57	8.64	8.69	9.48	N/A
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.74	2.74	2.74	3.36	4.14	4.93	5.60	8.11	8.87	8.87	9.68	9.68	9.68	9.68	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	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	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	0.11	0.11	0.11	0.11	0.11	0.11	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	N/A
Total	0.00	0.52	0.91	2.73	7.77	13.30	19.37	28.95	31.51	31.86	33.13	34.86	37.40	38.56	41.88	42.80	42.80	44.38	45.71	45.86	46.88	N/A
Cogenerators 8/																						
Capability																						
Coal	8.91	8.91	8.91	8.90	8.89	8.88	8.86	8.85	8.84	8.63	8.59	8.59	8.59	8.59	8.59	8.58	8.58	8.58	8.58	8.58	8.57	-0.2%
Petroleum	2.35	2.35	2.35	2.32	2.32	2.31	2.31	2.31	2.31	2.31	2.31	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	-0.1%
Natural Gas	35.87	37.80	38.01	38.76	39.52	40.22	40.93	41.54	42.15	42.79	43.48	44.20	44.90	45.62	46.34	47.14	47.97	48.79	49.68	50.59	51.58	1.8%
Other Gaseous Fuels	0.67	0.67	0.67	1.07	1.08	1.09	1.12	1.12	1.14	1.17	1.20	1.23	1.27	1.30	1.34	1.37	1.40	1.43	1.48	1.53	1.57	4.4%
Renewable Sources 4/	6.76	6.77	6.79	7.02	7.23	7.50	7.76	8.01	8.06	8.22	8.38	8.65	8.86	9.04	9.22	9.39	9.58	9.76	9.93	10.08	10.23	2.1%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	54.56	56.50	56.72	58.08	59.03	60.00	60.97	61.84	62.49	63.12	63.97	64.97	65.92	66.85	67.78	68.78	69.83	70.86	71.96	73.07	74.25	1.6%

Table 72. Electric Power Projections for Electricity Market Module Region (2 of 3)
United States

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Demand																						
(billion kilowatthours)																						
Residential	1189.16	1229.88	1259.40	1302.20	1328.27	1352.69	1370.23	1387.03	1404.19	1422.35	1441.26	1461.07	1482.65	1504.92	1528.24	1552.67	1573.62	1595.50	1617.60	1641.44	1665.55	1.7%
Commercial/Other	1143.21	1170.15	1192.01	1231.43	1269.76	1305.13	1340.11	1374.18	1407.11	1440.00	1473.25	1506.93	1541.52	1576.41	1611.46	1644.38	1675.57	1706.09	1735.81	1766.16	1796.01	2.3%
Industrial	1070.01	1022.27	1029.17	1062.31	1086.06	1111.50	1134.28	1161.53	1180.93	1201.71	1228.64	1256.70	1275.38	1293.71	1311.01	1327.72	1344.48	1361.87	1381.47	1399.12	1414.16	1.4%
Transportation	15.89	16.31	16.74	18.89	20.96	22.88	24.59	26.11	27.65	29.22	30.80	32.33	33.83	35.31	36.73	37.46	37.27	36.96	36.55	36.06	35.48	4.1%
Total Sales	3418.26	3438.61	3497.32	3614.83	3705.06	3792.21	3869.21	3948.84	4019.88	4093.27	4173.96	4257.04	4333.38	4410.35	4487.45	4562.23	4630.94	4700.42	4771.43	4842.77	4911.20	1.8%
Net Energy for Load (billion kilowatthours) 7/																						
Gross International Imports	47.91	48.01	45.54	57.58	60.30	66.09	57.88	53.97	51.27	50.87	50.96	51.50	51.38	51.41	50.00	52.94	51.28	49.24	48.37	47.37	47.42	-0.1%
Gross International Exports	13.00	13.07	13.10	12.75	16.55	16.67	16.80	16.93	17.06	17.20	16.38	15.41	14.44	13.47	12.50	11.53	10.57	9.60	8.63	8.14	7.66	-2.6%
Gross Interregional Electricity Imports	304.56	291.24	293.10	308.81	315.37	310.12	314.43	317.98	311.47	304.88	288.19	276.20	267.24	259.16	247.98	239.65	231.35	218.82	208.96	204.15	200.45	-2.1%
Gross Interregional Electricity Exports	307.84	294.63	296.39	312.49	319.26	314.10	318.69	322.32	315.73	309.10	292.41	280.37	271.51	263.46	252.22	243.94	235.74	223.29	213.48	208.70	205.07	-2.0%
Purchases from Cogenerators 8/	161.10	163.24	168.03	173.09	175.65	177.42	179.18	180.80	182.24	184.57	187.01	189.58	192.53	195.74	198.51	201.53	205.12	208.64	212.46	216.42	220.07	1.6%
Utility Generation for Customers	3474.12	3492.97	3551.07	3657.32	3749.26	3832.50	3919.54	4003.90	4078.59	4152.09	4232.14	4312.81	4387.01	4461.32	4537.11	4606.07	4676.18	4747.25	4818.37	4890.44	4958.90	1.8%
Total Net Energy for Load	3666.85	3687.76	3748.25	3871.56	3964.76	4055.36	4135.54	4217.41	4290.77	4366.11	4449.51	4534.30	4612.21	4690.71	4768.88	4844.73	4917.63	4991.06	5066.06	5141.54	5214.11	1.8%
Generation by Fuel Type																						
(billion kilowatthours)																						
Coal	1922.28	1932.77	1941.60	2000.22	2037.03	2086.43	2130.11	2177.16	2189.84	2204.35	2215.18	2224.96	2242.35	2258.07	2271.52	2291.85	2316.97	2343.59	2362.29	2392.16	2423.18	1.2%
Petroleum	93.42	110.39	41.48	41.26	43.26	38.97	36.94	30.67	29.43	28.57	28.41	27.84	29.13	31.27	32.47	33.26	34.41	34.01	35.24	36.29	38.00	-4.4%
Natural Gas	416.68	441.57	494.04	526.04	573.69	607.41	649.98	709.63	771.15	826.61	892.56	967.49	1025.67	1083.99	1146.74	1201.75	1246.43	1294.22	1343.26	1378.76	1414.48	6.3%
Nuclear	752.44	763.18	761.33	757.06	757.97	758.78	759.54	741.40	740.07	740.62	736.88	731.51	726.14	722.12	718.86	707.13	707.35	701.76	701.76	701.76	701.76	-0.3%
Pumped Storage/Other 3/	-0.87	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	-0.93	0.4%
Renewable Sources 4/	320.54	278.67	346.36	366.54	371.04	374.55	376.41	377.85	380.44	383.89	390.65	392.17	394.42	396.07	397.08	400.95	399.20	401.12	402.56	404.52	406.87	1.2%
Total Generation	3504.48	3525.66	3583.87	3690.30	3782.26	3865.59	3952.70	4036.74	4111.42	4184.93	4264.97	4345.64	4419.80	4494.12	4569.91	4638.87	4708.98	4780.04	4851.17	4923.23	4991.70	1.8%
Sales to Customers	3474.12	3492.97	3551.07	3657.32	3749.26	3832.50	3919.54	4003.90	4078.59	4152.09	4232.14	4312.81	4387.01	4461.32	4537.11	4606.07	4676.18	4747.25	4818.37	4890.44	4958.90	1.8%
Generation for Own Use	30.36	32.69	32.80	32.98	33.00	33.08	33.16	32.84	32.84	32.83	32.83	32.83	32.80	32.80	32.80	32.80	32.80	32.80	32.80	32.80	32.80	0.4%
Cogenerators																						
Coal	46.45	46.75	46.71	47.36	48.16	48.74	49.29	49.85	49.66	49.47	49.23	49.25	49.17	49.26	49.17	49.09	49.21	49.17	49.14	49.10	49.05	0.3%
Petroleum	8.92	10.27	8.90	9.60	9.68	9.66	9.72	9.71	9.73	9.79	9.85	9.91	10.03	10.18	10.25	10.20	10.27	10.24	10.36	10.65	10.62	0.9%
Natural Gas	208.66	215.41	220.94	229.70	234.93	239.22	243.26	246.51	250.30	254.93	260.05	264.94	270.14	275.38	280.35	286.08	292.25	298.43	304.91	311.39	318.46	2.1%
Other Gaseous Fuels	5.55	5.55	5.55	8.38	8.44	8.50	8.75	8.75	8.87	9.10	9.32	9.55	9.80	10.04	10.25	10.37	10.58	10.79	11.13	11.47	11.84	3.9%
Renewable Sources 4/	36.94	36.35	37.14	38.79	40.00	41.54	42.98	44.44	44.51	45.34	46.20	47.79	49.04	50.15	51.21	52.24	53.40	54.48	55.49	56.39	57.24	2.2%
Other	4.40	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	4.46	0.1%
Total	310.93	318.79	323.71	338.29	345.67	352.12	358.47	363.73	367.53	373.09	379.11	385.89	392.65	399.48	405.70	412.45	420.18	427.58	435.49	443.46	451.68	1.9%
Sales to Utilities	161.10	163.24	168.03	173.09	175.65	177.42	179.18	180.80	182.24	184.57	187.01	189.58	192.53	195.74	198.51	201.53	205.12	208.64	212.46	216.42	220.07	1.6%
Generation for Own Use	149.84	155.55	155.68	165.20	170.02	174.69	179.29	182.93	185.29	188.52	192.10	196.32	200.12	203.74	207.19	210.93	215.06	218.93	223.03	227.04	231.60	2.2%
End-Use Prices																						
(2000 cents per kilowatthour)																						
Residential	8.3	8.4	8.0	7.7	7.7	7.6	7.6	7.6	7.6	7.6	7.6	7.7	7.6	7.6	7.6	7.6	7.6	7.6	7.7	7.7	7.7	-0.4%
Commercial	7.5	7.8	7.3	7.1	7.1	7.0	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.9	6.9	6.9	-0.4%
Industrial	4.6	4.7	4.4	4.4	4.4	4.3	4.3	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.5	-0.2%
Transportation	7.4	7.2	6.9	6.2	5.9	5.7	5.5	5.7	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.6	6.5	6.4	6.4	6.2	6.1	-1.0%
All Sectors Average	6.9	7.1	6.7	6.5	6.5	6.4	6.3	6.3	6.3	6.3	6.3	6.4	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.5	-0.3%

Table 72. Electric Power Projections for Electricity Market Module Region (3 of 3)
United States

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Prices by Service Category																						
(2000 cents/kilowatthour)																						
Generation	4.3	4.6	4.2	4.0	4.0	3.9	3.8	3.8	3.7	3.7	3.7	3.8	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.9	3.9	-0.4%
Transmission	0.6	0.6	0.6	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	0.7	0.7	0.7	0.7	0.7	0.3%
Distribution	2.0	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	2.0	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	-0.3%
Fuel Consumption (quadrillion Btu) 9/																						
Coal	19.69	19.82	19.89	20.52	20.89	21.44	21.93	22.42	22.55	22.69	22.80	22.89	23.05	23.21	23.33	23.52	23.75	23.99	24.15	24.40	24.67	1.1%
Natural Gas	4.18	4.34	4.90	5.21	5.43	5.57	5.78	5.98	6.28	6.54	6.95	7.48	7.87	8.27	8.67	9.02	9.30	9.61	9.94	10.17	10.40	4.7%
Oil	0.93	1.08	0.36	0.35	0.37	0.32	0.30	0.23	0.22	0.21	0.21	0.20	0.21	0.23	0.24	0.24	0.25	0.25	0.26	0.29	0.28	-5.9%
Total	24.80	25.24	25.16	26.09	26.69	27.33	28.01	28.63	29.05	29.44	29.96	30.56	31.13	31.71	32.24	32.78	33.30	33.85	34.34	34.86	35.35	1.8%
Emissions (million tons) 10/																						
Total Carbon	645.32	652.82	646.99	669.67	684.08	700.52	717.11	732.84	741.23	749.20	759.03	769.90	781.13	792.71	802.82	814.03	825.38	837.43	847.58	859.40	870.80	1.5%
Carbon Dioxide	2366.17	2393.66	2372.29	2455.46	2508.29	2568.57	2629.40	2687.07	2717.83	2747.05	2783.12	2822.97	2864.14	2906.61	2943.69	2984.78	3026.37	3070.57	3107.78	3151.14	3192.93	1.5%
Sulfur Dioxide	11.04	11.09	11.29	10.99	10.59	10.39	10.34	10.14	9.94	9.85	9.70	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	-1.0%
Nitrogen Oxide	4.28	4.33	4.32	4.46	3.89	3.94	4.00	4.03	4.03	4.03	4.04	4.06	4.08	4.09	4.10	4.12	4.13	4.15	4.15	4.16	4.18	-0.1%

1/ Net summer capability 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-860B, "Annual Electric Generator Report - Nonutility." 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 capability.

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, 2000.

7/ Generation to meet system load by source.

8/ Cogenerators produce 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 cogenerators).

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: 2000 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 2000, DOE/EIA-0384(2000) (Washington, DC, August 2001).
Other 2000 and projections: NewGen Data and Analysis, RDI Consulting/FT Energy (Boulder, CO, February 2001) and EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 73. Electric Generation by Electricity Market Module Region and Source (1 of 3)
(Billion Kilowatthour)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
East Central Area Reliability																						
Coordination Agreement																						
Coal	506.79	509.08	512.80	530.42	539.09	549.44	553.71	568.17	571.88	574.99	577.93	578.81	581.44	584.38	586.68	587.60	589.94	592.10	593.11	593.73	594.29	0.8%
Petroleum	4.62	1.97	1.21	1.24	1.05	0.86	0.69	0.69	0.70	0.69	0.71	0.73	0.74	0.74	0.73	0.73	0.79	0.81	0.83	0.82	0.84	-8.2%
Natural Gas	17.87	16.44	31.57	32.61	39.48	43.41	52.71	59.63	67.48	74.06	81.63	93.25	101.63	108.11	117.04	124.89	132.02	142.71	151.63	160.28	169.94	11.9%
Nuclear	55.99	56.75	56.36	56.52	56.64	56.76	56.88	45.99	44.17	44.29	44.40	44.52	44.64	44.76	44.86	44.91	44.96	39.37	39.37	39.37	39.37	-1.7%
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	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	N/A
Renewables 2/	4.66	4.73	5.69	6.08	6.63	6.71	6.25	6.31	6.37	6.32	7.57	7.51	7.47	6.79	6.07	6.58	5.02	5.02	5.01	5.08	5.08	0.4%
Total	589.91	588.95	607.62	626.86	642.89	657.16	670.23	680.79	690.60	700.33	712.23	724.81	735.90	744.77	755.37	764.70	772.74	780.03	790.00	799.33	809.62	1.6%
Electric Reliability Council of Texas																						
Coal	110.88	109.62	107.95	109.61	111.04	111.79	112.52	113.23	113.23	112.92	112.73	112.74	112.74	112.93	113.23	112.83	113.22	113.23	113.23	113.25	113.23	0.1%
Petroleum	0.29	2.91	0.22	0.13	0.12	0.12	0.10	0.08	0.07	0.04	0.05	0.05	0.05	0.07	0.05	0.04	0.06	0.05	0.06	0.07	0.06	-7.4%
Natural Gas	104.74	99.17	106.06	114.85	119.72	124.58	130.11	136.00	141.67	147.54	155.03	162.32	167.66	172.82	178.11	183.06	187.18	190.82	194.11	197.98	201.43	3.3%
Nuclear	39.10	39.48	40.84	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	39.17	0.0%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewables 2/	1.30	3.68	5.52	5.95	6.38	6.81	7.15	7.43	7.71	8.48	8.68	8.81	8.95	9.08	8.72	9.36	8.99	9.13	9.26	9.40	9.53	10.5%
Total	256.31	254.86	260.59	269.73	276.47	282.54	289.15	296.05	302.09	308.51	316.11	323.56	329.07	334.61	339.87	345.08	349.31	353.18	356.70	360.81	364.45	1.8%
Mid-Atlantic Area Council																						
Coal	110.68	112.06	115.01	119.30	122.53	126.39	130.90	135.34	135.40	135.81	136.59	136.43	136.63	137.09	137.25	137.75	137.86	138.05	138.23	139.48	139.68	1.2%
Petroleum	5.65	7.36	1.41	1.30	1.04	0.81	0.76	0.60	0.53	0.47	0.51	0.54	0.56	0.56	0.53	0.55	0.55	0.57	0.58	0.59	0.64	-10.3%
Natural Gas	7.44	9.59	14.13	15.55	19.20	19.90	23.21	28.08	31.26	33.06	37.84	43.45	46.38	51.10	55.24	60.34	62.68	66.77	70.38	72.45	74.98	12.2%
Nuclear	101.88	103.04	103.73	102.70	102.75	102.80	102.84	95.10	95.10	95.10	90.82	90.82	90.82	90.82	90.82	90.82	90.82	90.82	90.82	90.82	90.82	-0.6%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewables 2/	8.22	7.73	9.05	10.90	11.50	11.82	11.75	12.03	12.64	12.91	13.14	13.36	13.60	13.83	14.06	14.30	14.52	14.61	14.61	14.61	14.60	2.9%
Total	233.88	239.77	243.33	249.77	257.06	261.84	269.71	271.49	275.36	277.87	279.51	285.31	288.76	294.25	298.83	304.76	307.52	311.98	315.84	319.25	322.08	1.6%
Mid-America Interconnected Network																						
Coal	148.22	155.74	155.15	162.90	168.75	174.00	180.11	186.65	188.87	190.26	191.35	193.78	195.00	195.86	196.51	197.17	197.66	198.08	193.42	193.79	194.13	1.4%
Petroleum	3.31	0.67	0.30	0.36	0.35	0.33	0.35	0.32	0.33	0.32	0.26	0.34	0.36	0.37	0.36	0.36	0.36	0.36	0.37	0.37	0.37	-10.4%
Natural Gas	6.78	4.06	5.90	5.51	5.49	5.58	4.76	4.56	5.04	5.16	6.67	9.18	10.73	11.88	13.46	16.00	18.27	20.36	24.19	27.60	28.56	7.5%
Nuclear	97.63	98.23	97.46	97.65	97.84	98.02	98.21	98.40	98.59	98.78	98.97	93.24	87.51	87.70	87.89	87.95	88.00	88.01	88.01	88.01	88.01	-0.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewables 2/	3.46	3.68	4.51	4.57	4.87	4.98	4.88	4.89	4.99	4.97	5.45	4.89	4.89	4.88	4.85	5.31	5.30	5.30	5.28	5.27	5.26	2.1%
Total	259.40	262.39	263.32	271.00	277.34	282.98	288.42	294.96	298.01	299.74	303.02	301.77	298.88	301.14	303.59	307.35	310.21	312.79	312.00	315.83	317.15	1.0%
Mid-Continent Area Power Pool																						
Coal	118.19	120.05	120.06	126.42	132.13	135.77	139.16	142.43	142.81	142.06	142.50	142.79	143.07	143.33	143.51	143.68	143.69	143.85	143.93	143.93	146.63	1.1%
Petroleum	0.70	0.96	0.35	0.49	0.53	0.54	0.50	0.40	0.40	0.39	0.37	0.42	0.45	0.45	0.44	0.45	0.44	0.46	0.46	0.45	0.45	-2.2%
Natural Gas	2.71	2.63	3.24	3.32	3.71	3.56	4.55	4.64	5.81	6.56	7.68	9.24	10.78	11.85	14.67	17.53	20.08	23.25	25.87	27.33	28.84	12.6%
Nuclear	28.80	29.09	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	28.80	25.00	19.77	19.77	19.77	19.77	19.77	19.77	-1.9%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewables 2/	15.77	13.69	17.35	18.33	18.54	18.58	18.57	18.56	18.56	18.55	18.54	18.54	18.53	18.52	18.54	18.53	18.53	18.52	18.51	18.56	18.56	0.8%
Total	166.16	166.43	169.79	177.35	183.72	187.28	191.63	194.90	196.46	196.46	198.01	199.91	201.79	203.15	202.40	200.24	202.82	206.20	208.93	210.47	214.70	1.3%

Table 73. Electric Generation by Electricity Market Module Region and Source (2 of 3)
(Billion Kilowatthour)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Northeast Power Coordinating Council/																						
New York																						
Coal	22.90	23.03	22.99	23.33	23.80	24.23	24.66	25.06	24.95	24.86	24.79	24.69	24.71	24.76	24.77	24.79	24.79	24.80	24.80	24.81	24.81	0.4%
Petroleum	11.82	13.46	4.79	2.82	2.70	1.70	1.07	0.82	0.78	0.74	0.73	0.71	0.75	1.11	1.24	1.65	1.95	2.07	2.19	2.52	2.55	-7.4%
Natural Gas	10.91	10.24	14.72	18.09	17.89	22.31	26.08	28.08	29.98	33.19	34.76	37.16	39.08	39.87	41.72	43.99	43.65	44.69	45.47	45.68	45.04	7.3%
Nuclear	39.52	40.01	39.76	39.86	39.96	40.06	40.16	40.26	40.37	40.47	40.57	40.67	40.77	40.87	40.97	34.30	34.34	34.34	34.34	34.34	34.34	-0.7%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewables 2/	17.34	14.75	18.57	20.22	20.55	20.88	21.50	21.65	21.75	21.85	22.29	22.28	22.27	22.27	22.26	22.25	22.25	22.24	22.23	22.23	22.21	1.2%
Total	102.48	101.50	100.83	104.31	104.89	109.19	113.49	115.88	117.84	121.12	123.15	125.51	127.59	128.90	130.97	126.99	126.99	128.14	129.05	129.59	128.96	1.2%
Northeast Power Coordinating Council/																						
New England																						
Coal	17.79	17.81	17.72	18.21	18.63	18.98	19.30	19.63	19.63	19.63	19.63	19.63	19.63	19.63	19.63	19.63	19.63	19.63	19.64	19.64	19.64	0.5%
Petroleum	21.17	21.10	5.55	7.54	9.81	7.48	8.00	6.22	5.73	6.09	6.13	5.48	5.80	7.23	7.13	7.49	7.73	8.13	8.58	8.91	9.00	-4.2%
Natural Gas	20.86	25.18	36.54	33.82	33.53	35.74	35.42	39.71	43.08	43.95	46.40	49.42	50.91	54.72	57.13	57.67	59.48	60.94	61.88	63.04	62.83	5.7%
Nuclear	31.24	31.69	31.53	31.67	31.81	31.95	32.07	32.14	32.21	32.28	32.35	32.43	32.50	28.00	28.07	28.14	28.21	28.21	28.21	28.21	28.21	-0.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewables 2/	10.88	10.11	11.21	11.53	11.65	11.94	12.11	12.31	12.51	12.71	12.91	12.97	12.97	12.97	13.03	13.19	13.25	13.24	13.24	13.24	13.24	1.0%
Total	101.95	105.88	102.54	102.77	105.44	106.09	106.92	110.07	113.24	114.74	117.51	120.02	121.91	122.66	125.11	126.26	128.45	130.31	131.71	133.21	133.09	1.3%
Florida Reliability Coordinating Council																						
Coal	68.95	68.28	70.37	72.68	67.40	68.78	70.10	71.44	71.44	72.63	72.03	72.03	72.03	72.52	72.52	72.52	73.56	75.38	77.31	80.82	84.55	1.0%
Petroleum	23.33	28.72	12.31	11.23	11.85	11.58	10.34	8.44	7.90	7.39	7.03	7.10	7.24	7.20	7.31	7.41	7.16	7.12	7.15	7.04	7.27	-5.7%
Natural Gas	31.08	32.24	45.58	47.54	58.12	64.26	68.01	72.81	80.13	85.56	93.65	100.66	107.72	115.20	122.89	129.83	135.33	140.75	146.92	151.21	154.12	8.3%
Nuclear	31.02	31.35	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	31.09	0.0%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewables 2/	3.68	3.68	3.77	4.33	4.78	4.79	4.80	4.81	4.95	5.07	5.68	5.69	5.69	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.41	1.9%
Total	158.06	164.27	163.12	166.87	173.26	180.52	184.37	188.63	195.57	201.83	209.61	216.69	223.90	231.35	239.18	246.25	252.57	259.80	267.96	275.68	282.82	3.0%
Southeastern Electric Reliability Council																						
Coal	447.50	446.83	452.79	463.47	472.84	483.73	495.17	504.90	506.08	509.96	511.01	514.58	519.69	524.47	525.88	532.30	541.60	550.48	556.73	567.21	578.63	1.3%
Petroleum	9.43	14.49	5.28	5.83	5.15	4.81	4.05	2.95	2.78	2.41	2.48	2.13	2.56	2.34	2.64	2.65	2.79	2.79	2.81	2.90	2.88	-5.8%
Natural Gas	67.73	69.93	87.18	93.36	96.60	96.81	101.17	113.42	127.06	145.04	159.65	173.84	187.49	201.00	217.11	231.56	242.93	251.42	262.25	269.49	275.00	7.3%
Nuclear	244.13	249.42	246.83	245.90	246.11	246.26	246.36	246.43	246.49	246.49	246.49	246.49	246.49	246.49	246.49	246.49	246.49	246.49	246.49	246.49	246.49	0.0%
Pumped Storage/Other 1/	-0.11	-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	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	-0.17	2.3%
Renewables 2/	32.52	27.46	34.50	35.50	35.60	35.72	35.59	35.60	35.73	35.72	37.82	38.39	38.35	38.68	38.71	39.08	37.66	38.06	38.05	38.04	38.38	0.8%
Total	801.20	807.96	826.41	843.90	856.12	867.15	882.18	903.14	917.96	939.44	957.28	975.29	994.48	1012.90	1030.86	1052.20	1071.68	1089.56	1106.73	1124.62	1141.97	1.8%
Southwest Power Pool																						
Coal	137.93	138.61	139.21	143.20	146.82	149.92	153.05	152.34	148.81	148.82	148.82	148.86	148.86	148.87	148.87	148.87	148.87	148.88	148.88	148.88	148.88	0.4%
Petroleum	0.83	2.97	0.95	0.94	0.98	1.02	0.97	0.77	0.76	0.70	0.64	0.70	0.73	0.81	0.80	0.84	0.82	0.86	0.87	0.87	0.95	0.7%
Natural Gas	30.75	30.66	36.12	36.17	35.92	36.80	37.20	43.01	49.81	52.93	57.76	63.67	68.19	71.65	75.58	78.50	81.98	84.42	87.91	90.22	93.08	5.7%
Nuclear	9.79	9.89	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	9.79	0.0%
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	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	N/A
Renewables 2/	4.73	4.17	5.39	5.64	5.63	5.64	5.45	5.45	5.45	5.45	5.55	5.46	5.46	5.47	5.47	5.47	5.48	5.48	5.49	5.49	5.49	0.8%
Total	183.99	186.25	191.42	195.69	199.10	203.13	206.42	211.32	214.58	217.64	222.53	228.44	232.99	236.55	240.47	243.43	246.90	249.39	252.89	255.21	258.15	1.7%

Table 73. Electric Generation by Electricity Market Module Region and Source (3 of 3)
(Billion Kilowatthour)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Western Systems Coordinating Council/																						
Northwest Power Pool Area																						
Coal	80.62	81.12	78.97	79.44	80.47	80.95	81.43	81.90	81.90	81.90	83.71	85.62	88.69	90.66	96.35	103.78	111.11	119.51	128.46	136.42	142.62	2.9%
Petroleum	2.50	3.59	0.64	0.47	0.44	0.29	0.25	0.12	0.08	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-20.0%
Natural Gas	18.94	24.23	24.84	31.73	40.01	44.62	51.92	60.25	66.89	71.43	71.15	75.89	78.87	83.14	83.14	81.55	78.63	75.20	73.52	71.73	71.10	6.8%
Nuclear	7.80	7.94	7.93	8.00	8.07	8.14	8.21	8.28	8.35	8.42	8.49	8.56	8.63	8.70	8.77	8.77	8.77	8.77	8.77	8.77	8.77	0.6%
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	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	N/A
Renewables 2/	142.84	118.61	150.41	158.59	159.06	159.58	160.82	161.24	162.00	163.27	164.27	165.55	166.69	168.24	169.57	170.69	171.75	172.70	173.68	174.69	175.63	1.0%
Total	252.46	235.28	262.57	278.01	287.83	293.36	302.43	311.58	319.02	324.96	327.64	335.67	342.95	350.90	358.09	365.17	370.72	376.74	385.08	392.36	398.96	2.3%
Western System Coordinating Council/ Rocky																						
Mountain Power Area, Arizona, New Mexico,																						
and Southern Nevada																						
Coal	114.15	113.29	112.02	114.12	115.94	124.68	132.00	137.90	146.67	152.34	155.92	156.81	161.68	165.38	168.12	172.73	176.81	181.38	186.34	192.00	197.25	2.8%
Petroleum	1.68	1.81	0.16	0.09	0.08	0.07	0.07	0.06	0.05	0.05	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-16.8%
Natural Gas	22.64	27.51	26.49	28.59	33.16	32.68	31.66	30.54	24.28	21.83	20.96	23.06	21.65	21.03	21.26	19.47	18.82	18.40	17.98	17.06	16.70	-1.5%
Nuclear	22.73	22.95	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	22.73	0.0%
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	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	N/A
Renewables 2/	17.16	15.02	18.26	18.86	18.86	18.86	18.86	18.86	18.86	18.87	18.98	18.94	18.94	18.89	18.89	19.03	19.07	19.20	19.32	19.59	19.88	0.7%
Total	178.33	180.54	179.63	184.38	190.76	199.00	205.33	210.11	212.61	215.84	218.67	221.64	225.11	228.16	231.21	234.25	237.80	242.14	246.89	251.95	257.20	1.8%
Western System Coordinating Council/																						
California																						
Coal	37.54	37.11	36.42	36.97	37.43	37.62	37.82	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	38.62	0.1%
Petroleum	2.09	3.20	1.14	1.36	1.42	1.38	1.59	0.81	0.76	0.55	0.53	0.50	0.53	0.80	1.45	1.15	1.62	0.47	0.81	4.04	2.07	-0.1%
Natural Gas	71.43	87.23	59.23	62.37	68.23	74.44	80.38	86.04	95.75	103.34	116.35	123.27	131.43	138.41	146.11	154.01	161.96	170.99	177.60	181.06	189.16	5.0%
Nuclear	42.79	43.33	44.46	43.15	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	43.19	0.0%
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	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	N/A
Renewables 2/	56.71	50.21	60.99	64.84	65.75	66.97	67.37	67.37	67.56	68.33	68.34	68.34	69.13	69.76	70.18	70.39	70.60	70.81	71.01	71.44	71.86	1.2%
Total	210.12	220.64	201.79	208.28	215.60	223.18	229.96	235.07	245.07	253.22	266.21	273.24	282.33	290.34	299.24	307.19	315.96	324.21	331.50	338.75	346.05	2.5%

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 cogenerators). Net summer capability is the steady hourly output that generating equipment is expected to supply to system load as demonstrated by tests during summer peak load.

Sources: 2000 utility generation: Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report." Other 2000 and projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 74. Electric Generation Capacity by Electricity Market Module Region and Source (1 of 3)
(Gigawatts)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
East Central Area Reliability																						
Coordination Agreement																						
Coal Steam	83.84	83.84	83.84	83.83	83.66	83.10	81.30	81.30	81.30	81.28	81.21	81.21	81.21	81.21	81.21	81.21	81.21	81.21	81.21	81.21	81.21	-0.2%
Other Fossil Steam 1/	3.73	3.75	3.75	3.75	3.75	3.75	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	-0.2%
Combined Cycle	0.47	0.47	0.47	0.47	2.59	3.85	5.78	7.66	9.33	11.24	12.45	14.24	15.77	16.45	18.22	19.65	20.55	21.62	22.78	23.94	24.87	22.0%
Combustion Turbine/ Diesel	9.67	10.07	11.97	13.38	13.63	14.74	16.78	17.48	17.45	17.59	17.71	17.82	17.88	18.58	18.77	18.88	19.06	19.42	19.76	20.38	21.31	4.0%
Nuclear Power	7.58	7.58	7.58	7.58	7.58	7.58	7.58	5.95	5.95	5.95	5.95	5.95	5.95	5.95	5.95	5.95	5.95	5.14	5.14	5.14	5.14	-1.9%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	1.51	1.54	1.54	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.61	1.61	0.3%
Total	110.17	110.61	112.52	113.96	116.16	117.96	120.00	120.94	122.58	124.61	125.87	127.76	129.36	130.73	132.69	134.24	135.35	136.01	137.54	139.38	141.32	1.3%
Electric Reliability Council of Texas																						
Coal Steam	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	15.25	N/A
Other Fossil Steam 1/	29.95	29.91	29.83	29.55	29.30	28.77	27.07	24.86	22.95	22.88	22.88	22.79	22.79	22.69	22.69	22.53	22.53	22.53	22.53	22.53	22.31	-1.5%
Combined Cycle	4.01	4.01	3.98	3.98	5.04	5.91	6.74	10.42	13.20	15.28	16.54	17.76	18.07	18.73	19.76	20.47	21.01	21.50	21.96	22.50	23.07	9.1%
Combustion Turbine/ Diesel	3.12	3.12	4.40	4.77	5.13	5.54	8.77	9.67	10.51	10.86	11.22	11.30	11.45	11.74	11.92	12.02	12.09	12.15	12.20	12.31	12.39	7.1%
Nuclear Power	4.80	4.80	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	0.77	2.00	2.16	2.30	2.43	2.57	2.64	2.72	2.79	2.87	2.89	2.91	2.93	2.95	2.97	2.99	3.01	3.04	3.06	3.08	3.10	7.2%
Total	57.90	59.08	60.43	60.72	62.06	63.00	65.52	68.05	70.06	72.74	74.62	75.91	76.46	77.40	78.72	79.50	80.25	81.04	81.77	82.64	83.25	1.8%
Mid-Atlantic Area Council																						
Coal Steam	19.19	18.99	18.99	18.99	18.99	18.95	18.95	18.95	18.95	18.95	18.95	18.95	18.95	18.95	18.95	18.95	18.95	18.95	18.95	19.10	19.10	0.0%
Other Fossil Steam 1/	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	8.16	N/A
Combined Cycle	1.87	2.47	2.47	2.47	3.45	3.57	4.86	6.01	7.11	7.55	7.81	8.53	9.10	9.58	10.27	10.88	11.49	12.04	12.60	12.99	13.45	10.4%
Combustion Turbine/ Diesel	8.82	8.82	9.96	10.76	10.68	11.71	11.86	12.31	12.37	12.54	12.87	12.87	12.87	13.55	13.89	14.38	14.56	14.85	14.85	14.85	14.85	2.6%
Nuclear Power	12.98	12.98	13.03	13.03	13.03	13.03	13.03	11.92	11.92	11.92	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30	11.30	-0.7%
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	1.31	1.31	1.31	1.31	1.31	1.31	1.31	1.31	N/A
Fuel Cells	0.00	0.00	0.01	0.03	0.04	0.06	0.07	0.09	0.11	0.13	0.16	0.18	0.21	0.22	0.23	0.24	0.25	0.25	0.25	0.25	0.25	N/A
Renewable Sources 3/	1.76	1.81	1.88	1.95	2.02	2.09	2.16	2.22	2.28	2.33	2.39	2.44	2.49	2.55	2.60	2.66	2.71	2.71	2.71	2.71	2.71	2.2%
Total	54.09	54.54	55.82	56.74	57.79	59.18	60.94	61.75	63.20	64.09	64.33	65.32	66.16	67.56	68.84	70.17	71.21	72.22	72.95	73.65	74.26	1.6%
Mid-America Interconnected Network																						
Coal Steam	27.49	27.49	27.49	27.49	27.49	27.49	27.48	27.48	27.48	27.48	27.48	27.48	27.48	27.48	27.48	27.48	27.48	27.48	26.78	26.78	26.78	-0.1%
Other Fossil Steam 1/	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	N/A
Combined Cycle	0.31	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.76	1.11	1.23	1.38	1.65	1.87	2.08	2.33	2.55	2.76	3.01	12.0%
Combustion Turbine/ Diesel	7.98	8.39	9.49	9.93	11.12	12.48	12.73	13.72	14.32	14.53	14.56	14.56	14.56	14.56	14.92	15.78	16.63	17.59	18.45	19.32	19.32	4.5%
Nuclear Power	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00	12.21	11.43	11.43	11.43	11.43	11.43	11.43	11.43	11.43	11.43	-0.6%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	0.90	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.12	1.12	1.12	1.12	1.12	1.12	1.1%
Total	54.09	54.82	55.93	56.41	57.67	59.08	59.39	60.45	61.18	61.52	61.99	61.59	61.07	61.35	62.11	63.38	64.56	65.91	66.40	67.61	67.91	1.1%
Mid-Continent Area Power Pool																						
Coal Steam	19.86	19.86	19.86	19.86	19.86	19.86	19.83	19.83	19.83	19.83	19.83	19.83	19.82	19.82	19.82	19.82	19.82	19.82	19.82	19.82	20.18	0.1%
Other Fossil Steam 1/	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	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	N/A
Combined Cycle	0.39	0.39	0.39	0.39	0.39	0.39	0.72	1.09	1.47	1.85	2.17	2.32	2.32	2.32	2.63	3.06	3.43	3.82	4.23	4.47	4.74	13.3%
Combustion Turbine/ Diesel	5.40	5.79	6.43	6.84	7.59	7.53	7.78	8.07	8.22	8.22	8.24	8.43	8.65	9.03	9.39	9.51	9.84	10.50	10.92	11.42	11.09	3.7%
Nuclear Power	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.76	3.29	2.53	2.53	2.53	2.53	2.53	2.53	-2.0%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	3.95	4.09	4.24	4.28	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.33	4.33	0.5%
Total	33.93	34.47	35.25	35.71	36.52	36.49	37.08	37.78	38.36	38.77	39.14	39.50	39.80	40.26	40.54	40.42	41.21	42.34	43.26	44.11	44.48	1.4%

Table 74. Electric Generation Capacity by Electricity Market Module Region and Source (2 of 3)
(Gigawatts)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Northeast Power Coordinating Council/																						
New York																						
Coal Steam	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.57	3.51	3.51	3.51	3.51	3.51	3.51	3.51	3.51	3.51	-0.1%
Other Fossil Steam 1/	12.36	12.36	12.36	12.36	11.25	10.35	9.20	9.20	9.20	9.20	9.20	9.20	9.20	9.20	9.20	9.20	9.20	9.20	9.20	9.20	9.20	-1.5%
Combined Cycle	0.63	0.63	0.63	0.63	0.63	1.34	3.04	3.65	4.23	4.74	4.92	5.31	5.61	5.66	5.97	6.13	6.13	6.25	6.30	6.30	6.30	12.2%
Combustion Turbine/ Diesel	3.64	3.64	3.64	3.64	3.64	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	4.30	4.30	4.30	0.8%
Nuclear Power	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.01	4.01	4.01	4.01	4.01	4.01	4.01	-1.1%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	4.55	4.63	4.78	4.85	4.92	4.99	5.13	5.13	5.13	5.13	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	0.6%
Total	31.02	31.10	31.24	31.31	30.27	30.84	31.54	32.15	32.73	33.23	33.46	33.85	34.09	34.14	33.48	33.64	33.64	33.76	33.81	33.81	33.81	0.4%
Northeast Power Coordinating Council/																						
New England																						
Coal Steam	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	2.68	N/A
Other Fossil Steam 1/	7.80	7.80	7.80	7.80	7.38	7.07	7.07	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	6.18	-1.2%
Combined Cycle	4.53	5.20	5.20	5.20	5.20	6.01	6.01	6.88	7.56	7.58	7.92	8.38	8.57	8.82	9.20	9.30	9.51	9.70	9.78	9.90	10.01	4.0%
Combustion Turbine/ Diesel	1.86	1.75	1.75	1.75	1.75	1.75	1.75	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.11	0.6%
Nuclear Power	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	4.36	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	-0.8%
Pumped Storage/Other 2/	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	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	3.21	3.21	3.22	3.25	3.29	3.34	3.39	3.45	3.50	3.56	3.61	3.61	3.61	3.61	3.63	3.69	3.69	3.69	3.69	3.69	3.69	0.7%
Total	25.53	26.10	26.10	26.14	25.75	26.30	26.39	26.88	27.64	27.75	28.16	28.65	28.86	28.47	28.88	29.07	29.29	29.49	29.59	29.73	29.85	0.8%
Florida Reliability Coordinating Council																						
Coal Steam	10.31	10.31	10.84	10.84	9.72	9.72	9.72	9.72	9.72	9.90	9.90	9.90	9.90	9.90	9.90	9.90	10.04	10.28	10.54	11.01	11.52	0.6%
Other Fossil Steam 1/	13.06	12.75	11.87	11.14	11.08	11.01	11.01	11.01	11.01	11.01	10.92	10.92	10.92	10.68	10.68	10.68	10.68	10.18	10.18	10.18	10.18	-1.2%
Combined Cycle	4.28	4.53	5.65	5.65	8.05	9.45	10.76	12.44	13.83	15.06	16.22	17.42	18.57	19.67	20.79	21.58	22.38	23.24	24.08	24.65	25.21	9.3%
Combustion Turbine/ Diesel	6.20	6.73	7.51	8.03	8.15	8.26	8.48	8.52	8.77	9.20	9.42	9.32	9.32	9.70	10.05	10.57	11.07	11.70	12.32	12.91	13.28	3.9%
Nuclear Power	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	N/A
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.64	0.4%	
Total	38.33	38.81	40.35	40.15	41.51	42.97	44.53	46.24	47.98	49.87	51.23	52.33	53.50	54.81	56.35	57.73	59.22	60.53	62.33	64.03	65.57	2.7%
Southeastern Electric Reliability Council																						
Coal Steam	69.70	69.90	69.75	69.43	69.43	69.43	69.43	69.32	69.32	69.72	70.02	70.41	71.06	71.61	71.72	72.55	73.51	74.68	75.48	76.89	78.41	0.6%
Other Fossil Steam 1/	19.01	19.01	18.98	19.16	19.14	19.13	19.10	19.10	19.05	19.05	19.01	18.83	18.79	18.79	18.48	18.48	18.48	18.29	18.29	18.18	18.18	-0.2%
Combined Cycle	7.25	8.17	8.32	8.32	10.53	10.97	14.11	19.58	23.96	28.77	31.44	32.82	34.90	36.43	38.26	40.03	41.31	42.60	43.78	45.06	46.00	9.7%
Combustion Turbine/ Diesel	19.49	21.04	21.28	21.47	21.52	21.85	23.33	23.42	24.29	24.64	24.92	25.07	25.02	26.72	29.15	30.95	32.93	34.66	36.42	37.90	38.95	3.5%
Nuclear Power	31.82	31.88	31.93	31.93	31.93	31.93	31.93	31.93	31.93	31.93	31.93	31.93	31.93	31.93	30.86	30.86	30.86	30.86	30.86	30.86	30.86	-0.2%
Pumped Storage/Other 2/	6.40	6.74	6.78	6.82	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	6.86	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	11.66	11.67	11.67	11.67	11.67	11.67	11.67	11.67	11.67	11.67	11.67	11.75	11.77	11.79	11.95	12.03	12.24	12.37	12.37	12.37	12.42	0.3%
Total	165.33	168.40	168.71	168.79	171.07	171.84	176.43	181.88	187.08	192.64	195.84	197.75	200.49	204.37	207.73	212.44	217.09	221.43	225.39	229.67	233.44	1.7%
Southwest Power Pool																						
Coal Steam	21.20	21.20	21.20	21.20	21.20	21.20	21.20	20.67	20.19	20.19	20.19	20.19	20.19	20.19	20.19	20.19	20.19	20.19	20.19	20.19	20.19	-0.2%
Other Fossil Steam 1/	13.69	13.61	13.52	13.44	13.36	12.00	11.37	11.06	11.03	11.03	11.03	10.99	10.98	10.94	10.94	10.94	10.94	10.94	10.89	10.89	10.89	-1.1%
Combined Cycle	1.78	2.94	2.94	2.94	3.41	4.05	4.75	6.74	7.86	8.58	9.29	10.00	10.85	11.15	11.70	11.93	12.62	13.08	13.59	14.06	14.62	11.1%
Combustion Turbine/ Diesel	4.63	4.64	4.64	4.72	3.60	4.15	5.05	5.20	5.30	5.42	5.55	5.66	5.66	5.77	5.91	6.02	6.12	6.24	6.33	6.45	6.45	1.7%
Nuclear Power	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	N/A
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	2.47	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.60	2.60	2.60	2.60	2.61	2.61	2.61	2.61	2.62	2.62	2.62	2.62	0.3%
Total	45.46	46.66	46.56	46.57	45.84	45.66	46.65	47.94	48.65	49.49	50.34	51.12	51.96	52.34	53.03	53.37	54.16	54.75	55.30	55.89	56.45	1.1%

Table 74. Electric Generation Capacity by Electricity Market Module Region and Source (3 of 3)
(Gigawatts)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Western Systems Coordinating Council/																						
Northwest Power Pool Area																						
Coal Steam	10.74	10.74	10.74	10.74	10.74	10.74	10.74	10.74	10.74	10.74	10.99	11.24	11.66	11.92	12.69	13.69	14.67	15.80	17.00	18.07	18.91	2.9%
Other Fossil Steam 1/	0.71	0.71	0.71	0.71	0.71	0.71	0.71	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	0.33	-3.7%
Combined Cycle	1.64	1.64	1.64	1.64	3.02	3.86	3.86	5.84	7.63	9.23	10.54	11.59	12.11	12.45	12.45	12.45	12.45	12.45	12.45	12.45	12.45	10.7%
Combustion Turbine/ Diesel	1.11	1.11	2.04	2.81	2.81	2.81	4.04	4.01	4.01	4.20	4.28	4.28	4.15	4.47	4.96	5.60	5.96	6.09	6.09	6.09	6.33	9.1%
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	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	N/A
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	36.10	36.41	36.41	36.58	36.65	36.80	36.94	37.10	37.19	37.47	37.57	37.86	37.99	38.32	38.47	38.63	38.77	38.90	39.03	39.16	39.28	0.4%
Total	51.73	52.04	52.97	53.91	55.36	56.36	57.75	59.48	61.38	63.68	65.64	67.30	68.29	69.76	71.38	73.42	75.12	76.75	78.27	79.70	81.12	2.3%
Western System Coordinating Council/ Rocky																						
Mountain Power Area, Arizona, New Mexico,																						
and Southern Nevada																						
Coal Steam	15.82	15.82	15.82	15.82	15.82	16.84	17.66	18.31	19.49	20.26	20.75	20.86	21.52	22.01	22.38	23.00	23.55	24.16	24.83	25.59	26.30	2.6%
Other Fossil Steam 1/	2.79	2.79	2.79	2.79	2.79	2.79	2.75	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	-1.4%
Combined Cycle	1.98	2.90	2.90	2.90	4.22	4.92	4.92	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.0%
Combustion Turbine/ Diesel	3.17	3.17	3.94	4.70	4.70	4.70	5.62	6.61	6.61	6.61	6.61	6.61	6.61	6.61	7.10	7.16	7.58	7.65	7.98	7.98	8.38	5.0%
Nuclear Power	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	N/A
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	5.83	5.93	5.93	5.93	5.93	5.93	5.94	5.94	5.94	5.95	5.95	5.95	5.96	5.96	5.96	5.99	6.02	6.05	6.09	6.17	6.25	0.3%
Total	33.04	34.07	34.84	35.64	36.96	38.68	40.44	41.80	42.99	43.75	44.27	44.40	45.11	45.67	46.71	47.61	48.78	49.64	50.86	51.80	53.17	2.4%
Western System Coordinating Council/																						
California																						
Coal Steam	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	4.92	4.92	4.92	4.92	4.92	4.92	4.92	5.00	0.1%
Other Fossil Steam 1/	19.14	19.14	19.14	19.14	19.14	19.14	19.00	17.61	17.61	17.61	17.61	17.61	17.61	17.61	17.61	17.61	17.61	17.61	17.61	17.61	17.61	-0.4%
Combined Cycle	1.41	1.41	1.41	1.41	2.81	4.81	4.81	7.02	9.37	11.94	14.54	15.05	16.13	17.09	18.37	19.83	21.31	22.55	23.21	24.29	24.85	15.4%
Combustion Turbine/ Diesel	2.64	2.68	3.77	5.09	5.09	5.07	7.08	7.04	7.04	7.04	7.04	8.29	9.22	10.37	11.38	12.32	13.29	14.50	16.02	17.44	19.10	10.4%
Nuclear Power	5.33	5.33	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	0.0%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	15.84	15.91	16.72	17.07	17.30	17.64	17.64	17.65	17.68	17.78	17.78	17.79	17.90	17.98	18.03	18.07	18.10	18.13	18.16	18.22	18.28	0.7%
Total	53.01	53.12	55.05	56.76	58.40	60.72	62.66	63.55	66.25	68.92	71.53	73.59	75.99	78.45	81.09	83.85	86.67	89.49	92.03	94.89	97.56	3.1%

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 capability for utilities and nonutilities (excluding cogenerators). Net summer capability is the steady hourly output that generating equipment is expected to supply to system load as demonstrated by tests during summer peak load.

Sources: 2000 utility: Energy Information Administration (EIA), Form EIA-860A, "Annual Electric Generator Report - Utility." Other 2000 and projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 75. Renewable Energy Generation by Fuel (1 of 2)
East Central Area Reliability Coordination Agreement

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generators (excluding cogenerators) 1/																						
Generating Capability																						
(gigawatts)																						
Conventional Hydropower	1.26	1.26	1.26	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	0.10	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	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.4%
Wood and Other Biomass 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	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.0%
Solar Thermal 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	12.8%
Total	1.51	1.54	1.54	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.61	1.61	0.3%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	2.72	2.24	2.85	3.12	3.11	3.11	3.11	3.11	3.11	3.11	3.11	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.09	3.09	3.09	0.6%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	0.75	0.91	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	1.4%
Wood and Other Biomass 3/	1.19	1.58	1.85	1.96	2.53	2.61	2.15	2.21	2.28	2.22	3.48	3.42	3.37	2.70	1.98	2.49	0.93	0.93	0.93	0.93	0.93	-1.2%
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	16.0%
Total	4.66	4.73	5.69	6.08	6.63	6.71	6.25	6.31	6.37	6.32	7.57	7.51	7.47	6.79	6.07	6.58	5.02	5.02	5.01	5.08	5.08	0.4%
Energy Consumption																						
(quadrillion Btu)																						
Conventional Hydropower	0.03	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.6%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.4%
Wood and Other Biomass 3/	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.02	0.03	0.01	0.01	0.01	0.01	0.01	-0.9%
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.0%
Total	0.05	0.05	0.06	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.5%
Cogenerators 5/																						
Generating Capability																						
(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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0%
Wood and Other Biomass 3/	0.12	0.12	0.12	0.13	0.13	0.13	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.17	0.17	0.17	0.18	0.18	0.18	0.19	0.19	2.4%
Total	0.13	0.13	0.13	0.13	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.20	0.20	2.2%
Electricity Generation																						
(billion kilowatthours)																						
Municipal Solid Waste	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	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0%
Wood and Other Biomass 3/	1.73	1.73	1.73	1.82	1.89	1.98	2.06	2.14	2.14	2.18	2.23	2.32	2.40	2.46	2.52	2.58	2.65	2.71	2.77	2.82	2.87	2.6%
Total	1.86	1.86	1.86	1.95	2.02	2.10	2.19	2.27	2.27	2.31	2.36	2.45	2.52	2.59	2.65	2.71	2.78	2.84	2.90	2.95	3.00	2.4%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Wood and Other Biomass 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	2.3%
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	0.02	0.01	0.01	0.02	0.01	0.02	0.02	0.02	0.02	2.0%

Table 75. Renewable Energy Generation by Fuel (2 of 2)
East Central Area Reliability Coordination Agreement

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Other End-Use Generators 6/																						
Generating Capability																						
(gigawatts)																						
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	0.01	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	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	17.6%
Total	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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	4.0%
Electricity Generation																						
(billion kilowatthours)																						
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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	17.6%
Total	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	3.7%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.2%

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers, exempt wholesale generators and generators at industrial and commercial facilities which do not produce steam for other uses.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes projections for energy crops after 2010.

4/ Grid connected generation only.

Note: Totals may not equal sum of components due to independent rounding. Net summer capability has been estimated for nonutility generators for AEO99. Net summer capability 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: 1998 and 1999 generation: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Projections: EIA, AEO2001 National Energy Modeling System run aeo2002.d102001b.

Table 76. Renewable Energy Generation by Fuel (1 of 2)
Electric Reliability Council of Texas

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generators (excluding cogenerators) 1/																						
Generating Capability																						
(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	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	0.01	0.10	0.13	0.15	0.17	0.19	0.21	0.23	0.25	0.27	0.28	0.30	0.32	0.34	0.36	0.38	0.40	0.42	0.44	0.46	0.47	19.5%
Wood and Other Biomass 3/	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	N/A
Solar Thermal 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	15.9%
Wind	0.23	1.37	1.49	1.60	1.72	1.83	1.89	1.95	2.00	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	11.5%
Total	0.77	2.00	2.16	2.30	2.43	2.57	2.64	2.72	2.79	2.87	2.89	2.91	2.93	2.95	2.97	2.99	3.01	3.04	3.06	3.08	3.10	7.2%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	0.68	0.56	0.71	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.74	0.74	0.74	0.74	0.74	0.74	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	0.09	0.50	0.85	1.02	1.16	1.29	1.42	1.56	1.69	1.82	1.96	2.09	2.22	2.35	2.49	2.62	2.75	2.89	3.02	3.15	3.29	19.8%
Wood and Other Biomass 3/	0.06	0.11	0.25	0.17	0.16	0.16	0.16	0.16	0.17	0.66	0.67	0.66	0.67	0.66	0.17	0.66	0.16	0.16	0.16	0.16	0.15	5.1%
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	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	16.1%
Wind	0.47	2.51	3.70	4.00	4.31	4.61	4.80	4.95	5.10	5.24	5.29	5.29	5.29	5.29	5.29	5.29	5.29	5.29	5.29	5.29	5.29	12.8%
Total	1.30	3.68	5.52	5.95	6.38	6.81	7.15	7.43	7.71	8.48	8.68	8.81	8.95	9.08	8.72	9.36	8.99	9.13	9.26	9.40	9.53	10.5%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	19.8%
Wood and Other Biomass 3/	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	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.1%
Wind	0.00	0.03	0.04	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	0.05	0.05	0.05	0.05	0.05	12.8%
Total	0.01	0.04	0.06	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.10	0.10	0.11	0.11	0.11	11.0%
Cogenerators 5/																						
Generating Capability																						
(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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Wood and Other Biomass 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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electricity Generation																						
(billion kilowatthours)																						
Municipal Solid Waste	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0%
Wood and Other Biomass 3/	0.16	0.16	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.25	0.25	0.26	0.27	0.27	0.28	2.6%
Total	0.18	0.18	0.18	0.18	0.19	0.20	0.21	0.22	0.22	0.22	0.22	0.23	0.24	0.25	0.25	0.26	0.27	0.27	0.28	0.28	0.29	2.5%

Table 76. Renewable Energy Generation by Fuel (2 of 2)
Electric Reliability Council of Texas

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Wood and Other Biomass 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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.2%
Other End-Use Generators 6/																						
Generating Capability																						
(gigawatts)																						
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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electricity Generation																						
(billion kilowatthours)																						
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	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	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	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	17.6%
Total	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	4.9%
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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers, exempt wholesale generators and generators at industrial and commercial facilities which do not produce steam for other uses.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes projections for energy crops after 2010.

4/ Grid connected generation only.

Note: Totals may not equal sum of components due to independent rounding. Net summer capability has been estimated for nonutility generators for AEO99. Net summer capability 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: 1998 and 1999 generation: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Projections: EIA, AEO2001 National Energy Modeling System run aeo2002.d102001b.

Table 77. Renewable Energy Generation by Fuel (1 of 2)
Mid-Atlantic Area Council

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generators (excluding cogenerators) 1/																						
Generating Capability																						
(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	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	0.53	0.55	0.58	0.61	0.63	0.66	0.68	0.70	0.73	0.75	0.77	0.80	0.82	0.84	0.87	0.89	0.92	0.92	0.92	0.92	0.92	2.8%
Wood and Other Biomass 3/	0.03	0.03	0.05	0.07	0.09	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.22	0.22	0.22	10.3%
Solar Thermal 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Wind	0.01	0.03	0.06	0.08	0.11	0.13	0.16	0.19	0.22	0.24	0.26	0.28	0.30	0.32	0.34	0.36	0.39	0.39	0.39	0.39	0.39	19.7%
Total	1.76	1.81	1.88	1.95	2.02	2.09	2.16	2.22	2.28	2.33	2.39	2.44	2.49	2.55	2.60	2.66	2.71	2.71	2.71	2.71	2.71	2.2%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	4.11	3.38	4.31	4.53	4.53	4.53	4.53	4.53	4.53	4.52	4.52	4.52	4.52	4.52	4.51	4.51	4.51	4.51	4.51	4.51	4.50	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	3.91	4.05	4.24	4.44	4.62	4.79	4.95	5.12	5.28	5.45	5.61	5.78	5.94	6.11	6.27	6.44	6.60	6.66	6.66	6.66	6.66	2.7%
Wood and Other Biomass 3/	0.20	0.25	0.41	1.76	2.11	2.18	1.87	1.90	2.27	2.31	2.32	2.32	2.33	2.34	2.35	2.36	2.36	2.38	2.38	2.37	2.37	13.2%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Wind	0.00	0.04	0.10	0.17	0.24	0.31	0.39	0.47	0.56	0.62	0.68	0.74	0.80	0.86	0.93	0.99	1.05	1.07	1.07	1.07	1.07	50.6%
Total	8.22	7.73	9.05	10.90	11.50	11.82	11.75	12.03	12.64	12.91	13.14	13.36	13.60	13.83	14.06	14.30	14.52	14.61	14.61	14.61	14.60	2.9%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	2.7%
Wood and Other Biomass 3/	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	13.4%
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	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	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	50.6%
Total	0.10	0.09	0.11	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	3.0%
Cogenerators 5/																						
Generating Capability																						
(gigawatts)																						
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	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.0%
Wood and Other Biomass 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.5%
Total	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.1%
Electricity Generation																						
(billion kilowatthours)																						
Municipal Solid Waste	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	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.0%
Wood and Other Biomass 3/	0.38	0.38	0.38	0.40	0.41	0.43	0.45	0.47	0.47	0.48	0.49	0.51	0.53	0.54	0.56	0.57	0.59	0.60	0.61	0.62	0.64	2.6%
Total	0.82	0.82	0.82	0.84	0.85	0.87	0.89	0.91	0.91	0.92	0.93	0.95	0.97	0.98	1.00	1.01	1.03	1.04	1.06	1.07	1.08	1.4%

Table 77. Renewable Energy Generation by Fuel (2 of 2)
Mid-Atlantic Area Council

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0%
Wood and Other Biomass 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.8%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.5%
Other End-Use Generators 6/																						
Generating Capability																						
(gigawatts)																						
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.6%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.1%
Electricity Generation																						
(billion kilowatthours)																						
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	0.01	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	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	17.6%
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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	4.9%
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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers, exempt wholesale generators and generators at industrial and commercial facilities which do not produce steam for other uses.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes projections for energy crops after 2010.

4/ Grid connected generation only.

Note: Totals may not equal sum of components due to independent rounding. Net summer capability has been estimated for nonutility generators for AEO99. Net summer capability 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: 1998 and 1999 generation: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Projections: EIA, AEO2001 National Energy Modeling System run aeo2002.d102001b.

Table 78. Renewable Energy Generation by Fuel (1 of 2)
Mid-America Interconnected Network

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generators (excluding cogenerators) 1/																						
Generating Capability																						
(gigawatts)																						
Conventional Hydropower	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	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	0.18	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	0.26	0.32	0.32	0.32	0.32	0.32	0.32	2.9%
Wood and Other Biomass 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Thermal 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Wind	0.02	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	0.10	0.10	0.10	0.10	0.10	0.10	0.10	7.7%
Total	0.90	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.12	1.12	1.12	1.12	1.12	1.12	1.1%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	2.29	1.89	2.40	2.53	2.53	2.53	2.53	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.51	2.51	2.51	2.51	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	1.03	1.46	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	2.11	2.11	2.11	2.11	2.11	2.11	3.6%
Wood and Other Biomass 3/	0.07	0.16	0.23	0.16	0.47	0.57	0.47	0.49	0.59	0.57	1.05	0.49	0.49	0.49	0.45	0.45	0.44	0.44	0.42	0.41	0.40	8.8%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Wind	0.06	0.18	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	0.24	0.24	0.24	0.24	0.24	0.24	6.8%
Total	3.46	3.68	4.51	4.57	4.87	4.98	4.88	4.89	4.99	4.97	5.45	4.89	4.89	4.88	4.85	5.31	5.30	5.30	5.28	5.27	5.26	2.1%
Energy Consumption																						
(quadrillion Btu)																						
Conventional Hydropower	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	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	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	3.6%
Wood and Other Biomass 3/	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	9.2%
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.8%
Total	0.04	0.04	0.05	0.05	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	0.06	0.06	0.06	0.06	2.3%
Cogenerators 5/																						
Generating Capability																						
(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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0%
Wood and Other Biomass 3/	0.15	0.15	0.15	0.16	0.16	0.17	0.18	0.18	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.24	2.5%
Total	0.16	0.16	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.25	0.25	0.26	0.26	2.3%

Table 78. Renewable Energy Generation by Fuel (2 of 2)
Mid-America Interconnected Network

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generation																						
(billion kilowatthours)																						
Municipal Solid Waste	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	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.0%
Wood and Other Biomass 3/	1.44	1.44	1.44	1.51	1.57	1.65	1.72	1.79	1.79	1.83	1.87	1.95	2.01	2.07	2.12	2.18	2.24	2.29	2.34	2.39	2.43	2.6%
Total	1.60	1.60	1.60	1.67	1.73	1.81	1.88	1.95	1.95	1.98	2.02	2.11	2.17	2.23	2.28	2.33	2.39	2.45	2.50	2.54	2.59	2.4%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Wood and Other Biomass 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	0.01	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	2.1%
Other End-Use Generators 6/																						
Generating Capability																						
(gigawatts)																						
Conventional Hydropower	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	0.04	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	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	17.6%
Total	0.04	0.04	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	0.05	0.05	0.05	0.05	0.05	0.05	1.5%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	0.19	0.16	0.20	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	0.21	0.21	0.21	0.21	0.21	0.4%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	17.6%
Total	0.19	0.17	0.21	0.22	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.26	1.4%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.4%
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.4%

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers, exempt wholesale generators and generators at industrial and commercial facilities which do not produce steam for other uses.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes projections for energy crops after 2010.

4/ Grid connected generation only.

Note: Totals may not equal sum of components due to independent rounding. Net summer capability has been estimated for nonutility generators for AEO99. Net summer capability 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: 1998 and 1999 generation: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Projections: EIA, AEO2001 National Energy Modeling System run aeo2002.d102001b.

Table 79. Renewable Energy Generation by Fuel (1 of 2)
Mid-Continent Area Power Pool

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generators (excluding cogenerators) 1/																						
Generating Capability																						
(gigawatts)																						
Conventional Hydropower	3.18	3.18	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	3.19	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	0.10	0.11	0.11	0.15	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	0.16	0.16	0.16	0.16	2.0%
Wood and Other Biomass 3/	0.12	0.13	0.18	0.18	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	0.20	0.20	0.20	0.20	2.7%
Solar Thermal 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Wind	0.54	0.67	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.78	0.78	1.9%
Total	3.95	4.09	4.24	4.28	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.31	4.33	4.33	0.5%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	13.65	11.22	14.31	15.07	15.06	15.06	15.05	15.04	15.04	15.03	15.03	15.02	15.01	15.01	15.00	14.99	14.99	14.98	14.97	14.97	14.96	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	0.64	0.65	0.65	0.87	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.3%
Wood and Other Biomass 3/	0.44	0.55	0.85	0.77	0.88	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	0.92	0.92	0.92	3.8%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Wind	1.04	1.27	1.54	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.67	1.67	2.4%
Total	15.77	13.69	17.35	18.33	18.54	18.58	18.57	18.56	18.56	18.55	18.54	18.54	18.53	18.52	18.54	18.53	18.53	18.52	18.51	18.56	18.56	0.8%
Energy Consumption																						
(quadrillion Btu)																						
Conventional Hydropower	0.14	0.12	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	0.15	0.15	0.15	0.15	0.15	0.15	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	2.3%
Wood and Other Biomass 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	3.8%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Wind	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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	2.4%
Total	0.17	0.14	0.18	0.19	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	0.20	0.20	0.20	0.20	0.9%
Cogenerators 5/																						
Generating Capability																						
(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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.0%
Wood and Other Biomass 3/	0.17	0.17	0.17	0.18	0.19	0.20	0.20	0.21	0.21	0.22	0.22	0.23	0.24	0.24	0.25	0.25	0.26	0.27	0.27	0.28	0.28	2.4%
Total	0.19	0.19	0.19	0.20	0.20	0.21	0.22	0.23	0.23	0.23	0.24	0.25	0.25	0.26	0.26	0.27	0.28	0.28	0.29	0.29	0.30	2.3%

Table 79. Renewable Energy Generation by Fuel (2 of 2)
Mid-Continent Area Power Pool

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generation																						
(billion kilowatthours)																						
Municipal Solid Waste	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	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.0%
Wood and Other Biomass 3/	0.69	0.69	0.69	0.73	0.76	0.79	0.83	0.86	0.86	0.88	0.90	0.94	0.97	1.00	1.02	1.05	1.07	1.10	1.13	1.15	1.17	2.6%
Total	0.80	0.80	0.80	0.84	0.86	0.90	0.93	0.97	0.97	0.99	1.01	1.05	1.08	1.10	1.13	1.15	1.18	1.21	1.23	1.25	1.28	2.4%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Wood and Other Biomass 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	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	2.6%
Total	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.9%
Other End-Use Generators 6/																						
Generating Capability																						
(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	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	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	17.6%
Total	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	1.2%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	0.25	0.21	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.4%
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	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	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	17.6%
Total	0.25	0.21	0.26	0.27	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.8%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.4%
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.4%

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers, exempt wholesale generators and generators at industrial and commercial facilities which do not produce steam for other uses.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes projections for energy crops after 2010.

4/ Grid connected generation only.

Note: Totals may not equal sum of components due to independent rounding. Net summer capability has been estimated for nonutility generators for AEO99. Net summer capability 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: 1998 and 1999 generation: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Projections: EIA, AEO2001 National Energy Modeling System run aeo2002.d102001b.

Table 80. Renewable Energy Generation by Fuel (1 of 2)
Northeast Power Coordinating Council / New York

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generators (excluding cogenerators) 1/																						
Generating Capability																						
(gigawatts)																						
Conventional Hydropower	4.25	4.32	4.47	4.54	4.61	4.68	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	4.82	0.6%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.9%
Wood and Other Biomass 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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.0%
Solar Thermal 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.0%
Total	4.55	4.63	4.78	4.85	4.92	4.99	5.13	5.13	5.13	5.13	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.18	0.6%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	15.33	12.70	16.49	17.68	17.90	18.11	18.61	18.64	18.63	18.62	18.61	18.60	18.59	18.59	18.58	18.57	18.56	18.55	18.55	18.54	18.53	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	1.82	1.85	1.87	1.87	1.87	1.87	1.87	1.87	1.87	1.87	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	1.0%
Wood and Other Biomass 3/	0.16	0.17	0.18	0.64	0.75	0.87	0.99	1.12	1.22	1.33	1.44	1.43	1.43	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	11.6%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Wind	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	2.0%
Total	17.34	14.75	18.57	20.22	20.55	20.88	21.50	21.65	21.75	21.85	22.29	22.28	22.27	22.27	22.26	22.25	22.25	22.24	22.23	22.23	22.21	1.2%
Energy Consumption																						
(quadrillion Btu)																						
Conventional Hydropower	0.16	0.13	0.17	0.18	0.18	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	0.19	0.19	0.19	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.0%
Wood and Other Biomass 3/	0.00	0.00	0.00	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	0.02	0.02	0.02	0.02	0.02	10.8%
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.0%
Total	0.18	0.16	0.20	0.21	0.22	0.22	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	0.24	0.24	1.2%
Cogenerators 5/																						
Generating Capability																						
(gigawatts)																						
Municipal Solid Waste	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	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.0%
Wood and Other Biomass 3/	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.15	0.15	2.1%
Total	0.17	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.22	1.3%

Table 80. Renewable Energy Generation by Fuel (2 of 2)
Northeast Power Coordinating Council / New York

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generation																						
(billion kilowatthours)																						
Municipal Solid Waste	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	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.0%
Wood and Other Biomass 3/	0.40	0.40	0.40	0.42	0.44	0.46	0.48	0.50	0.50	0.51	0.52	0.54	0.56	0.58	0.59	0.61	0.62	0.64	0.65	0.66	0.68	2.6%
Total	0.95	0.95	0.95	0.97	0.98	1.01	1.03	1.04	1.04	1.06	1.07	1.09	1.11	1.12	1.14	1.15	1.17	1.18	1.20	1.21	1.22	1.3%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0%
Wood and Other Biomass 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.0%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.8%
Other End-Use Generators 6/																						
Generating Capability																						
(gigawatts)																						
Conventional Hydropower	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	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	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	17.6%
Total	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.3%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	0.09	0.07	0.09	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	0.10	0.10	0.10	0.10	0.10	0.4%
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	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	17.6%
Total	0.09	0.08	0.09	0.10	0.10	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	0.11	0.11	0.11	1.1%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.4%
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.4%

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers, exempt wholesale generators and generators at industrial and commercial facilities which do not produce steam for other uses.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes projections for energy crops after 2010.

4/ Grid connected generation only.

Note: Totals may not equal sum of components due to independent rounding. Net summer capability has been estimated for nonutility generators for AEO99. Net summer capability 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: 1998 and 1999 generation: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Projections: EIA, AEO2001 National Energy Modeling System run aeo2002.d102001b.

Table 81. Renewable Energy Generation by Fuel (1 of 2)
Northeast Power Coordinating Council / New England

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generators (excluding cogenerators) 1/																						
Generating Capability																						
(gigawatts)																						
Conventional Hydropower	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	2.33	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	0.51	0.52	0.53	0.53	0.53	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	0.55	0.55	0.55	0.3%
Wood and Other Biomass 3/	0.35	0.35	0.35	0.36	0.36	0.37	0.38	0.40	0.41	0.42	0.43	0.43	0.43	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	1.2%
Solar Thermal 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Wind	0.01	0.01	0.01	0.04	0.06	0.09	0.13	0.17	0.21	0.25	0.29	0.29	0.29	0.29	0.31	0.36	0.36	0.36	0.36	0.36	0.36	18.3%
Total	3.21	3.21	3.22	3.25	3.29	3.34	3.39	3.45	3.50	3.56	3.61	3.61	3.61	3.61	3.63	3.69	3.69	3.69	3.69	3.69	3.69	0.7%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	4.69	3.85	4.91	5.17	5.17	5.17	5.17	5.16	5.16	5.16	5.16	5.15	5.15	5.15	5.15	5.15	5.14	5.14	5.14	5.14	5.13	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	4.00	4.04	4.08	4.09	4.09	4.26	4.26	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	4.27	0.3%
Wood and Other Biomass 3/	2.17	2.18	2.19	2.19	2.24	2.29	2.37	2.45	2.53	2.61	2.70	2.72	2.72	2.72	2.72	2.77	2.79	2.79	2.79	2.79	2.79	1.3%
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	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	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	0.08	0.15	0.22	0.32	0.43	0.55	0.66	0.78	0.82	0.82	0.82	0.88	1.01	1.04	1.04	1.04	1.04	1.04	19.6%
Total	10.88	10.11	11.21	11.53	11.65	11.94	12.11	12.31	12.51	12.71	12.91	12.97	12.97	12.97	13.03	13.19	13.25	13.24	13.24	13.24	13.24	1.0%
Energy Consumption																						
(quadrillion Btu)																						
Conventional Hydropower	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	0.05	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	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.3%
Wood and Other Biomass 3/	0.03	0.03	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	0.04	0.04	0.04	0.04	0.04	0.04	1.3%
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	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	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	19.6%
Total	0.13	0.12	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.9%
Cogenerators 5/																						
Generating Capability																						
(gigawatts)																						
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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.0%
Wood and Other Biomass 3/	0.66	0.66	0.66	0.69	0.71	0.74	0.77	0.79	0.80	0.81	0.83	0.86	0.88	0.91	0.93	0.95	0.97	0.99	1.01	1.03	1.05	2.4%
Total	0.70	0.70	0.70	0.73	0.76	0.79	0.81	0.84	0.84	0.86	0.87	0.91	0.93	0.95	0.97	0.99	1.02	1.04	1.06	1.08	1.09	2.2%

Table 81. Renewable Energy Generation by Fuel (2 of 2)
Northeast Power Coordinating Council / New England

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generation																						
(billion kilowatthours)																						
Municipal Solid Waste	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	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.0%
Wood and Other Biomass 3/	3.46	3.46	3.46	3.63	3.76	3.93	4.09	4.25	4.25	4.33	4.43	4.61	4.75	4.88	5.00	5.12	5.25	5.37	5.48	5.59	5.68	2.5%
Total	3.78	3.78	3.78	3.94	4.07	4.25	4.40	4.56	4.56	4.65	4.74	4.92	5.06	5.19	5.31	5.43	5.56	5.68	5.80	5.90	5.99	2.3%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Wood and Other Biomass 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	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	2.2%
Total	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.9%
Other End-Use Generators 6/																						
Generating Capability																						
(gigawatts)																						
Conventional Hydropower	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	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	17.6%
Total	0.28	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.31	0.32	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.34	0.9%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	1.31	1.09	1.37	1.44	1.44	1.44	1.44	1.44	1.44	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43	0.4%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.07	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	17.6%
Total	1.31	1.10	1.38	1.45	1.46	1.46	1.47	1.48	1.49	1.51	1.53	1.53	1.53	1.53	1.53	1.53	1.54	1.54	1.54	1.54	1.54	0.8%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.4%
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	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	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.4%

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers, exempt wholesale generators and generators at industrial and commercial facilities which do not produce steam for other uses.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes projections for energy crops after 2010.

4/ Grid connected generation only.

Note: Totals may not equal sum of components due to independent rounding. Net summer capability has been estimated for nonutility generators for AEO99. Net summer capability 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: 1998 and 1999 generation: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Projections: EIA, AEO2001 National Energy Modeling System run aeo2002.d102001b.

Table 82. Renewable Energy Generation by Fuel (1 of 2)
Florida Reliability Coordinating Council

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generators (excluding cogenerators) 1/																						
Generating Capability																						
(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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	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 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05	6.3%
Solar Thermal 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.64	0.4%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	0.20	0.16	0.21	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	0.22	0.22	0.22	0.22	0.22	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	3.59	0.2%
Wood and Other Biomass 3/	0.04	0.07	0.11	0.66	1.11	1.12	1.13	1.14	1.14	1.26	1.87	1.87	1.87	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.60	20.9%
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	3.68	3.68	3.77	4.33	4.78	4.79	4.80	4.81	4.95	5.07	5.68	5.69	5.69	5.18	5.18	5.18	5.18	5.18	5.18	5.18	5.41	1.9%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.2%
Wood and Other Biomass 3/	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	20.6%
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	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	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	1.5%
Cogenerators 5/																						
Generating Capability																						
(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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0%
Wood and Other Biomass 3/	0.24	0.24	0.24	0.25	0.26	0.27	0.28	0.29	0.29	0.30	0.30	0.32	0.33	0.33	0.34	0.35	0.36	0.37	0.38	0.38	0.39	2.5%
Total	0.25	0.25	0.25	0.26	0.27	0.28	0.30	0.31	0.31	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.37	0.38	0.39	0.40	0.40	2.4%

Table 82. Renewable Energy Generation by Fuel (2 of 2)
Florida Reliability Coordinating Council

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generation																						
(billion kilowatthours)																						
Municipal Solid Waste	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	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.0%
Wood and Other Biomass 3/	0.88	0.88	0.88	0.93	0.96	1.01	1.05	1.09	1.09	1.12	1.14	1.19	1.23	1.27	1.30	1.33	1.37	1.40	1.43	1.46	1.49	2.6%
Total	0.95	0.95	0.95	0.99	1.03	1.08	1.12	1.16	1.16	1.18	1.21	1.26	1.30	1.33	1.37	1.40	1.43	1.47	1.50	1.53	1.55	2.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Wood and Other Biomass 3/	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	3.6%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	3.1%
Other End-Use Generators 6/																						
Generating Capability																						
(gigawatts)																						
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	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	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	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	17.6%
Total	0.00	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	0.02	0.02	0.02	0.02	0.02	0.03	0.03	9.1%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	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	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	0.01	0.01	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	0.03	0.03	17.6%
Total	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	4.9%
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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers, exempt wholesale generators and generators at industrial and commercial facilities which do not produce steam for other uses.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes projections for energy crops after 2010.

4/ Grid connected generation only.

Note: Totals may not equal sum of components due to independent rounding. Net summer capability has been estimated for nonutility generators for AEO99. Net summer capability 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: 1998 and 1999 generation: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Projections: EIA, AEO2001 National Energy Modeling System run aeo2002.d102001b.

Table 83. Renewable Energy Generation by Fuel (1 of 2)
Southeastern Electric Reliability Council

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generators (excluding cogenerators) 1/																						
Generating Capability																						
(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	11.24	11.24	11.24	11.24	11.24	11.24	11.24	11.24	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	1.0%
Wood and Other Biomass 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	0.24	0.24	0.28	0.32	0.32	0.32	0.32	0.38	2.3%
Solar Thermal 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Wind	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.08	0.10	0.26	0.30	0.46	0.59	0.59	0.59	0.59	32.9%
Total	11.66	11.67	11.67	11.67	11.67	11.67	11.67	11.67	11.67	11.67	11.67	11.75	11.77	11.79	11.95	12.03	12.24	12.37	12.37	12.37	12.42	0.3%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	30.17	24.80	31.58	33.26	33.25	33.24	33.22	33.21	33.20	33.18	33.17	33.16	33.14	33.13	33.11	33.10	33.09	33.07	33.06	33.05	33.03	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	1.10	1.17	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.3%
Wood and Other Biomass 3/	1.25	1.48	1.72	1.04	1.15	1.28	1.17	1.18	1.33	1.34	3.45	3.63	3.52	3.78	3.30	3.55	1.59	1.59	1.59	1.59	1.95	2.3%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Wind	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.18	0.27	0.34	0.87	1.01	1.56	1.98	1.98	1.98	1.98	36.8%
Total	32.52	27.46	34.50	35.50	35.60	35.72	35.59	35.60	35.73	35.72	37.82	38.39	38.35	38.68	38.71	39.08	37.66	38.06	38.05	38.04	38.38	0.8%
Energy Consumption																						
(quadrillion Btu)																						
Conventional Hydropower	0.31	0.25	0.32	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	0.34	0.34	0.34	0.34	0.34	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	1.3%
Wood and Other Biomass 3/	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.02	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.02	0.02	0.02	0.02	0.02	1.7%
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	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	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	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.02	36.8%
Total	0.34	0.29	0.36	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.39	0.40	0.40	0.40	0.40	0.41	0.39	0.40	0.40	0.40	0.40	0.8%
Cogenerators 5/																						
Generating Capability																						
(gigawatts)																						
Municipal Solid Waste	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.0%
Wood and Other Biomass 3/	2.84	2.84	2.84	2.96	3.06	3.20	3.32	3.44	3.45	3.52	3.59	3.73	3.84	3.94	4.03	4.13	4.23	4.32	4.41	4.49	4.57	2.4%
Total	3.02	3.02	3.02	3.14	3.24	3.37	3.50	3.62	3.63	3.69	3.77	3.91	4.02	4.12	4.21	4.30	4.41	4.50	4.59	4.67	4.75	2.3%

Table 83. Renewable Energy Generation by Fuel (2 of 2)
Southeastern Electric Reliability Council

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generation																						
(billion kilowatthours)																						
Municipal Solid Waste	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	0.0%
Wood and Other Biomass 3/	15.31	15.31	15.31	16.06	16.66	17.44	18.15	18.86	18.86	19.25	19.66	20.48	21.13	21.70	22.25	22.78	23.38	23.94	24.45	24.92	25.35	2.6%
Total	16.48	16.48	16.48	17.23	17.83	18.61	19.32	20.03	20.03	20.42	20.83	21.65	22.30	22.87	23.42	23.95	24.55	25.10	25.62	26.09	26.52	2.4%
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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.0%
Wood and Other Biomass 3/	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.13	2.3%
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	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	2.0%
Other End-Use Generators 6/																						
Generating Capability																						
(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	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic	0.01	0.02	0.03	0.03	0.05	0.06	0.08	0.10	0.13	0.17	0.21	0.21	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.25	0.25	17.6%
Total	0.53	0.54	0.55	0.56	0.57	0.58	0.60	0.63	0.66	0.69	0.73	0.74	0.74	0.75	0.75	0.75	0.76	0.76	0.77	0.77	0.78	1.9%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	1.77	1.50	1.83	1.92	1.92	1.92	1.92	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	0.4%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic	0.02	0.03	0.05	0.07	0.09	0.12	0.16	0.21	0.27	0.34	0.42	0.43	0.44	0.45	0.46	0.46	0.47	0.48	0.49	0.50	0.51	17.6%
Total	1.79	1.53	1.89	1.99	2.01	2.04	2.08	2.12	2.18	2.25	2.34	2.34	2.35	2.36	2.37	2.37	2.38	2.39	2.40	2.40	2.41	1.5%
Energy Consumption																						
(quadrillion Btu)																						
Conventional Hydropower	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.4%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.4%

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers, exempt wholesale generators and generators at industrial and commercial facilities which do not produce steam for other uses.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes projections for energy crops after 2010.

4/ Grid connected generation only.

Note: Totals may not equal sum of components due to independent rounding. Net summer capability has been estimated for nonutility generators for AEO99. Net summer capability 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: 1998 and 1999 generation: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Projections: EIA, AEO2001 National Energy Modeling System run aeo2002.d102001b.

Table 84. Renewable Energy Generation by Fuel (1 of 2)
Southwest Power Pool

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generators (excluding cogenerators) 1/																						
Generating Capability																						
(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	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Wood and Other Biomass 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Thermal 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic 4/	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	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	N/A
Wind	0.00	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	0.11	0.11	0.11	0.11	0.11	0.11	0.11	N/A
Total	2.47	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.60	2.60	2.60	2.60	2.61	2.61	2.61	2.61	2.62	2.62	2.62	2.62	0.3%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	4.66	3.83	4.88	5.14	5.14	5.14	5.13	5.13	5.13	5.13	5.13	5.12	5.12	5.12	5.12	5.11	5.11	5.11	5.11	5.10	5.10	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Municipal Solid Waste	0.00	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Wood and Other Biomass 3/	0.07	0.14	0.21	0.19	0.18	0.19	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-100.0%
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	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	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.09	N/A
Wind	0.00	0.19	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	0.28	0.28	0.28	0.28	0.28	0.28	N/A
Total	4.73	4.17	5.39	5.64	5.63	5.64	5.45	5.45	5.45	5.45	5.55	5.46	5.46	5.47	5.47	5.47	5.48	5.48	5.49	5.49	5.49	0.8%
Energy Consumption																						
(quadrillion Btu)																						
Conventional Hydropower	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Wood and Other Biomass 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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	0.05	0.04	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	0.06	0.06	0.06	0.06	0.06	0.06	0.8%
Cogenerators 5/																						
Generating Capability																						
(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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.0%
Wood and Other Biomass 3/	0.29	0.29	0.29	0.30	0.31	0.33	0.34	0.35	0.35	0.36	0.37	0.38	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.46	0.47	2.5%
Total	0.32	0.32	0.32	0.34	0.35	0.36	0.37	0.39	0.39	0.39	0.40	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.50	0.51	2.3%

Table 84. Renewable Energy Generation by Fuel (2 of 2)
Southwest Power Pool

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generation																						
(billion kilowatthours)																						
Municipal Solid Waste	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	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.0%
Wood and Other Biomass 3/	2.00	2.00	2.00	2.11	2.19	2.30	2.39	2.49	2.49	2.54	2.60	2.71	2.80	2.88	2.95	3.03	3.11	3.19	3.26	3.32	3.38	2.6%
Total	2.16	2.16	2.16	2.26	2.34	2.45	2.55	2.64	2.64	2.70	2.75	2.87	2.96	3.03	3.11	3.18	3.26	3.34	3.41	3.47	3.53	2.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Wood and Other Biomass 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	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	2.2%
Other End-Use Generators 6/																						
Generating Capability																						
(gigawatts)																						
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	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	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	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	17.6%
Total	0.01	0.01	0.01	0.01	0.01	0.01	0.01	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	0.03	9.1%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	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	0.04	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	17.6%
Total	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.08	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	4.9%
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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers, exempt wholesale generators and generators at industrial and commercial facilities which do not produce steam for other uses.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes projections for energy crops after 2010.

4/ Grid connected generation only.

Note: Totals may not equal sum of components due to independent rounding. Net summer capability has been estimated for nonutility generators for AEO99. Net summer capability 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: 1998 and 1999 generation: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Projections: EIA, AEO2001 National Energy Modeling System run aeo2002.d102001b.

Table 85. Renewable Energy Generation by Fuel (1 of 2)
Western Systems Coordinating Council / Northwest Power Pool Area

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generators (excluding cogenerators) 1/																						
Generating Capability																						
(gigawatts)																						
Conventional Hydropower	35.64	35.64	35.64	35.64	35.64	35.64	35.64	35.64	35.64	35.64	35.62	35.62	35.62	35.62	35.62	35.62	35.62	35.62	35.62	35.62	35.62	0.0%
Geothermal 2/	0.23	0.24	0.24	0.28	0.33	0.37	0.50	0.54	0.61	0.76	0.87	1.01	1.13	1.30	1.43	1.57	1.69	1.82	1.94	2.07	2.19	12.0%
Municipal Solid Waste	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.5%
Wood and Other Biomass 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	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.1%
Solar Thermal 4/	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	N/A
Solar Photovoltaic 4/	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.08	N/A
Wind	0.03	0.32	0.32	0.43	0.44	0.55	0.56	0.67	0.68	0.80	0.81	0.94	0.96	1.10	1.12	1.14	1.14	1.14	1.14	1.14	1.14	21.0%
Total	36.10	36.41	36.41	36.58	36.65	36.80	36.94	37.10	37.19	37.47	37.57	37.86	37.99	38.32	38.47	38.63	38.77	38.90	39.03	39.16	39.28	0.4%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	139.98	115.09	146.52	154.36	154.31	154.22	154.16	154.11	154.03	153.97	153.79	153.68	153.61	153.55	153.48	153.43	153.39	153.28	153.22	153.17	153.11	0.4%
Geothermal 2/	1.51	1.57	1.61	1.84	2.22	2.57	3.72	3.96	4.66	5.74	6.75	7.86	8.91	10.23	11.45	12.55	13.61	14.65	15.69	16.72	17.71	13.1%
Municipal Solid Waste	0.67	0.67	0.67	0.67	0.67	0.72	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	0.74	0.74	0.5%
Wood and Other Biomass 3/	0.59	0.65	0.69	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	0.57	0.57	0.57	0.57	0.57	-0.2%
Solar Thermal	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.06	0.07	0.07	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	N/A
Solar Photovoltaic	0.00	0.00	0.00	0.01	0.03	0.03	0.04	0.04	0.05	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	N/A
Wind	0.09	0.64	0.91	1.12	1.24	1.45	1.56	1.78	1.91	2.14	2.28	2.53	2.68	2.95	3.12	3.17	3.19	3.19	3.19	3.19	3.19	19.8%
Total	142.84	118.61	150.41	158.59	159.06	159.58	160.82	161.24	162.00	163.27	164.27	165.55	166.69	168.24	169.57	170.69	171.75	172.70	173.68	174.69	175.63	1.0%
Energy Consumption																						
(quadrillion Btu)																						
Conventional Hydropower	1.44	1.18	1.51	1.59	1.59	1.59	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	1.57	1.57	0.4%
Geothermal 2/	0.03	0.03	0.03	0.04	0.05	0.07	0.10	0.11	0.13	0.17	0.20	0.24	0.27	0.31	0.35	0.39	0.42	0.46	0.49	0.52	0.55	15.4%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.5%
Wood and Other Biomass 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.1%
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Wind	0.00	0.01	0.01	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	0.03	0.03	0.03	0.03	0.03	19.8%
Total	1.49	1.24	1.57	1.66	1.67	1.68	1.72	1.73	1.76	1.79	1.82	1.86	1.90	1.94	1.98	2.02	2.05	2.08	2.12	2.15	2.18	1.9%
Cogenerators 5/																						
Generating Capability																						
(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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.0%
Wood and Other Biomass 3/	0.53	0.53	0.53	0.55	0.57	0.59	0.61	0.64	0.64	0.65	0.66	0.69	0.71	0.72	0.74	0.76	0.77	0.79	0.81	0.82	0.83	2.3%
Total	0.56	0.56	0.56	0.58	0.60	0.62	0.64	0.67	0.67	0.68	0.69	0.72	0.74	0.75	0.77	0.78	0.80	0.82	0.84	0.85	0.86	2.2%

Table 85. Renewable Energy Generation by Fuel (2 of 2)
Western Systems Coordinating Council / Northwest Power Pool Area

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generation																						
(billion kilowatthours)																						
Municipal Solid Waste	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	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.0%
Wood and Other Biomass 3/	2.01	2.01	2.01	2.10	2.17	2.26	2.35	2.46	2.46	2.51	2.55	2.65	2.73	2.79	2.86	2.92	2.99	3.06	3.12	3.17	3.22	2.4%
Total	2.14	2.14	2.14	2.23	2.30	2.39	2.48	2.59	2.59	2.64	2.68	2.78	2.86	2.93	2.99	3.05	3.12	3.19	3.25	3.30	3.35	2.3%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Wood and Other Biomass 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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	1.9%
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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	1.7%
Other End-Use Generators 6/																						
Generating Capability																						
(gigawatts)																						
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	0.03	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	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	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	17.6%
Total	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	4.2%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	0.21	0.18	0.22	0.23	0.23	0.23	0.23	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	0.22	0.4%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	17.6%
Total	0.21	0.18	0.22	0.23	0.24	0.24	0.24	0.25	0.26	0.26	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	1.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.4%
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.4%

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers, exempt wholesale generators and generators at industrial and commercial facilities which do not produce steam for other uses.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes projections for energy crops after 2010.

4/ Grid connected generation only.

Note: Totals may not equal sum of components due to independent rounding. Net summer capability has been estimated for nonutility generators for AEO99. Net summer capability 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: 1998 and 1999 generation: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Projections: EIA, AEO2001 National Energy Modeling System run aeo2002.d102001b.

Table 86. Renewable Energy Generation by Fuel (1 of 2)
Western Systems Coordinating Council / Rocky Mountain Power Area, Arizona, New Mexico, and Southern Nevada

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generators (excluding cogenerators) 1/																						
Generating Capability																						
(gigawatts)																						
Conventional Hydropower	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	5.37	0.0%
Geothermal 2/	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	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.0%
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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	1.5%
Wood and Other Biomass 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Thermal 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	N/A
Solar Photovoltaic 4/	0.00	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	0.03	0.04	0.04	0.04	0.04	0.05	0.05	18.0%
Wind	0.12	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	0.20	0.22	0.25	0.28	0.32	0.39	0.47	7.2%
Total	5.83	5.93	5.93	5.93	5.93	5.93	5.94	5.94	5.94	5.95	5.95	5.95	5.96	5.96	5.96	5.99	6.02	6.05	6.09	6.17	6.25	0.3%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	13.73	11.29	14.37	15.13	15.13	15.12	15.12	15.11	15.10	15.10	15.09	15.09	15.08	15.07	15.06	15.06	15.06	15.05	15.04	15.03	15.03	0.5%
Geothermal 2/	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	2.99	0.0%
Municipal Solid Waste	0.08	0.14	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	0.15	0.15	0.15	0.15	0.15	0.15	3.6%
Wood and Other Biomass 3/	0.06	0.11	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.06	0.06	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	-100.0%
Solar Thermal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	N/A
Solar Photovoltaic	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.06	0.07	0.07	0.08	0.09	0.10	0.10	0.11	0.12	0.12	0.13	20.5%
Wind	0.31	0.49	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	0.64	0.74	0.86	0.99	1.25	1.53	8.3%
Total	17.16	15.02	18.26	18.86	18.86	18.86	18.86	18.86	18.86	18.87	18.98	18.94	18.94	18.89	18.89	19.03	19.07	19.20	19.32	19.59	19.88	0.7%
Energy Consumption																						
(quadrillion Btu)																						
Conventional Hydropower	0.14	0.12	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.5%
Geothermal 2/	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	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.0%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.6%
Wood and Other Biomass 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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.5%
Wind	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	8.3%
Total	0.21	0.19	0.22	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	0.23	0.23	0.23	0.23	0.24	0.6%
Cogenerators 5/																						
Generating Capability																						
(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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Wood and Other Biomass 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.4%

Table 86. Renewable Energy Generation by Fuel (2 of 2)
Western Systems Coordinating Council / Rocky Mountain Power Area, Arizona, New Mexico, and Southern Nevada

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generation																						
(billion kilowatthours)																						
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0%
Wood and Other Biomass 3/	0.12	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.20	2.6%
Total	0.13	0.13	0.13	0.14	0.14	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21	2.5%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Wood and Other Biomass 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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.2%
Other End-Use Generators 6/																						
Generating Capability																						
(gigawatts)																						
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.6%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.1%
Electricity Generation																						
(billion kilowatthours)																						
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.6%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	4.9%
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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers, exempt wholesale generators and generators at industrial and commercial facilities which do not produce steam for other uses.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes projections for energy crops after 2010.

4/ Grid connected generation only.

Note: Totals may not equal sum of components due to independent rounding. Net summer capability has been estimated for nonutility generators for AEO99. Net summer capability 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: 1998 and 1999 generation: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Projections: EIA, AEO2001 National Energy Modeling System run aeo2002.d102001b.

Table 87. Renewable Energy Generation by Fuel (1 of 2)
Western Systems Coordinating Council / California

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generators (excluding cogenerators) 1/																						
Generating Capability																						
(gigawatts)																						
Conventional Hydropower	11.09	11.09	11.09	11.09	11.09	11.09	11.09	11.09	11.09	11.09	11.09	11.09	11.09	11.09	11.09	11.09	11.09	11.09	11.09	11.09	11.09	0.0%
Geothermal 2/	2.29	2.29	2.33	2.38	2.31	2.35	2.35	2.35	2.37	2.37	2.37	2.37	2.47	2.55	2.60	2.62	2.65	2.67	2.70	2.75	2.80	1.0%
Municipal Solid Waste	0.32	0.38	0.40	0.42	0.43	0.45	0.45	0.45	0.45	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	2.7%
Wood and Other Biomass 3/	0.36	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.3%
Solar Thermal 4/	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	0.34	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.3%
Solar Photovoltaic 4/	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.09	16.2%
Wind	1.44	1.44	2.18	2.46	2.74	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.8%
Total	15.84	15.91	16.72	17.07	17.30	17.64	17.64	17.65	17.68	17.78	17.78	17.79	17.90	17.98	18.03	18.07	18.10	18.13	18.16	18.22	18.28	0.7%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	39.37	32.38	41.22	43.43	43.41	43.40	43.38	43.36	43.34	43.32	43.31	43.29	43.27	43.25	43.24	43.22	43.20	43.18	43.16	43.15	43.13	0.5%
Geothermal 2/	8.83	8.98	9.20	9.54	9.55	9.89	10.00	10.00	10.21	10.21	10.21	10.21	11.00	11.62	12.04	12.25	12.46	12.66	12.87	13.29	13.70	2.2%
Municipal Solid Waste	2.29	2.57	2.81	2.95	3.06	3.17	3.20	3.20	3.20	3.98	3.99	3.99	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.8%
Wood and Other Biomass 3/	2.08	2.15	2.23	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	2.19	0.2%
Solar Thermal	0.87	0.87	0.87	0.87	0.87	0.87	0.88	0.89	0.89	0.89	0.90	0.90	0.91	0.91	0.92	0.92	0.93	0.93	0.94	0.94	0.95	0.4%
Solar Photovoltaic	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.14	0.16	0.17	0.19	0.20	0.22	20.9%
Wind	3.26	3.26	4.64	5.85	6.63	7.41	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	7.67	4.4%
Total	56.71	50.21	60.99	64.84	65.75	66.97	67.37	67.37	67.56	68.33	68.34	68.34	69.13	69.76	70.18	70.39	70.60	70.81	71.01	71.44	71.86	1.2%
Energy Consumption																						
(quadrillion Btu)																						
Conventional Hydropower	0.40	0.33	0.42	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.5%
Geothermal 2/	0.19	0.20	0.20	0.21	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.26	0.28	0.30	0.30	0.31	0.31	0.32	0.33	0.34	3.0%
Municipal Solid Waste	0.03	0.04	0.04	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	0.05	0.05	0.05	0.05	0.05	2.8%
Wood and Other Biomass 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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.2%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.4%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.9%
Wind	0.03	0.03	0.05	0.06	0.07	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	0.08	0.08	0.08	4.4%
Total	0.70	0.64	0.75	0.80	0.81	0.84	0.84	0.84	0.85	0.86	0.86	0.86	0.88	0.90	0.92	0.92	0.93	0.93	0.94	0.95	0.96	1.6%
Cogenerators 5/																						
Generating Capability																						
(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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0%
Wood and Other Biomass 3/	0.16	0.16	0.16	0.17	0.17	0.18	0.19	0.19	0.19	0.20	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.24	0.25	2.1%
Total	0.17	0.17	0.17	0.18	0.18	0.19	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	0.25	0.26	2.0%

Table 87. Renewable Energy Generation by Fuel (2 of 2)
Western Systems Coordinating Council / California

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generation																						
(billion kilowatthours)																						
Municipal Solid Waste	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	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.0%
Wood and Other Biomass 3/	1.03	1.03	1.03	1.07	1.11	1.15	1.19	1.23	1.23	1.25	1.28	1.32	1.36	1.39	1.42	1.45	1.49	1.52	1.55	1.57	1.60	2.2%
Total	1.09	1.09	1.09	1.13	1.17	1.21	1.25	1.29	1.29	1.31	1.34	1.39	1.42	1.45	1.49	1.52	1.55	1.58	1.61	1.64	1.66	2.1%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Wood and Other Biomass 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.5%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.4%
Other End-Use Generators 6/																						
Generating Capability																						
(gigawatts)																						
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	0.01	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	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	17.6%
Total	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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	3.4%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.3%
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	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	0.01	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	0.03	0.03	0.03	17.6%
Total	0.05	0.04	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	2.4%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.3%
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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.3%

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers, exempt wholesale generators and generators at industrial and commercial facilities which do not produce steam for other uses.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes projections for energy crops after 2010.

4/ Grid connected generation only.

Note: Totals may not equal sum of components due to independent rounding. Net summer capability has been estimated for nonutility generators for AEO99. Net summer capability 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: 1998 and 1999 generation: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Projections: EIA, AEO2001 National Energy Modeling System run aeo2002.d102001b.

Table 88. Renewable Energy Capacity, Generation, and Consumption (1 of 2)
United States

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generators (excluding cogenerators) 1/																						
Generating Capability																						
(gigawatts)																						
Conventional Hydropower	79.29	79.36	79.51	79.63	79.71	79.78	79.92	79.92	79.92	79.92	79.90	79.90	79.90	79.90	79.90	79.90	79.90	79.90	79.90	79.90	79.90	0.0%
Geothermal 2/	2.85	2.86	2.91	2.99	2.97	3.05	3.18	3.22	3.32	3.46	3.57	3.72	3.93	4.18	4.37	4.52	4.67	4.82	4.97	5.15	5.32	3.2%
Municipal Solid Waste	2.84	3.15	3.24	3.35	3.41	3.50	3.55	3.59	3.65	3.79	3.88	3.95	3.99	4.04	4.08	4.18	4.23	4.25	4.26	4.28	4.30	2.1%
Wood and Other Biomass 3/	1.39	1.41	1.51	1.54	1.59	1.61	1.64	1.66	1.68	1.71	1.73	1.74	1.75	1.76	1.76	1.82	1.88	1.88	1.88	1.88	1.97	1.8%
Solar Thermal 4/	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.40	0.40	0.40	0.41	1.0%
Solar Photovoltaic 4/	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.11	0.12	0.14	0.15	0.17	0.19	0.20	0.22	0.24	0.26	0.27	19.8%
Wind	2.42	4.29	5.26	5.82	6.27	6.82	6.96	7.20	7.33	7.57	7.65	7.85	7.91	8.09	8.31	8.46	8.67	8.83	8.87	8.98	9.06	6.8%
Total	89.13	91.43	92.78	93.70	94.33	95.16	95.65	96.01	96.34	96.90	97.19	97.64	97.99	98.49	98.97	99.46	99.94	100.29	100.52	100.84	101.22	0.6%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	272.33	223.99	285.36	301.03	301.17	301.26	301.66	301.60	301.48	301.35	301.14	300.98	300.86	300.76	300.64	300.54	300.47	300.31	300.19	300.11	300.00	0.5%
Geothermal 2/	13.52	13.73	14.00	14.58	14.99	15.67	16.95	17.18	18.09	19.18	20.20	21.32	23.16	25.11	26.75	28.06	29.34	30.59	31.84	33.30	34.71	4.8%
Municipal Solid Waste	20.15	21.81	22.96	23.72	24.26	24.90	25.27	25.58	26.03	27.11	27.78	28.32	28.63	28.94	29.27	30.05	30.35	30.55	30.69	30.83	30.98	2.2%
Wood and Other Biomass 3/	8.37	9.61	11.08	12.31	14.34	14.96	14.00	14.35	15.20	15.99	20.86	20.30	20.16	19.18	17.46	18.84	14.77	14.78	14.76	14.74	15.32	3.1%
Solar Thermal	0.87	0.87	0.87	0.88	0.89	0.90	0.91	0.92	0.94	0.95	0.96	0.98	1.00	1.02	1.04	1.05	1.06	1.08	1.09	1.10	1.12	1.3%
Solar Photovoltaic	0.01	0.03	0.04	0.07	0.09	0.11	0.14	0.16	0.19	0.22	0.26	0.29	0.33	0.37	0.41	0.46	0.50	0.55	0.59	0.63	0.68	22.8%
Wind	5.30	8.64	12.05	13.96	15.30	16.74	17.49	18.05	18.52	19.09	19.45	19.98	20.28	20.68	21.50	21.95	22.71	23.28	23.40	23.79	24.07	7.9%
Total	320.54	278.67	346.36	366.54	371.04	374.55	376.41	377.85	380.44	383.89	390.65	392.17	394.42	396.07	397.08	400.95	399.20	401.12	402.56	404.52	406.87	1.2%
Energy Consumption																						
(quadrillion Btu)																						
Conventional Hydropower	2.80	2.30	2.93	3.09	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.09	3.08	0.5%
Geothermal 2/	0.28	0.29	0.30	0.32	0.33	0.36	0.40	0.41	0.44	0.47	0.50	0.54	0.60	0.66	0.71	0.75	0.79	0.83	0.87	0.92	0.96	6.3%
Municipal Solid Waste	0.28	0.30	0.31	0.32	0.33	0.34	0.34	0.35	0.36	0.37	0.38	0.39	0.39	0.40	0.40	0.41	0.41	0.42	0.42	0.42	0.42	2.2%
Wood and Other Biomass 3/	0.11	0.12	0.14	0.16	0.18	0.18	0.18	0.18	0.19	0.20	0.25	0.24	0.24	0.23	0.21	0.23	0.19	0.19	0.19	0.19	0.19	2.7%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.3%
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	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	22.8%
Wind	0.05	0.09	0.12	0.14	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.22	0.23	0.23	0.24	0.24	0.24	0.25	7.9%
Total	3.53	3.11	3.82	4.05	4.11	4.16	4.21	4.23	4.28	4.34	4.44	4.48	4.54	4.60	4.65	4.72	4.73	4.78	4.82	4.87	4.92	1.7%
Cogenerators 5/																						
Generating Capability																						
(gigawatts)																						
Municipal Solid Waste	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	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.0%
Wood and Other Biomass 3/	5.26	5.26	5.26	5.49	5.68	5.92	6.15	6.37	6.38	6.51	6.64	6.90	7.10	7.28	7.45	7.62	7.81	7.98	8.15	8.29	8.43	2.4%
Total	5.77	5.77	5.77	6.00	6.19	6.43	6.66	6.88	6.89	7.01	7.15	7.41	7.61	7.79	7.96	8.13	8.32	8.49	8.66	8.80	8.94	2.2%

Table 88. Renewable Energy Capacity, Generation, and Consumption (2 of 2)
United States

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electricity Generation																						
(billion kilowatthours)																						
Municipal Solid Waste	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	3.29	0.0%
Wood and Other Biomass 3/	29.63	29.63	29.63	31.06	32.23	33.72	35.10	36.50	36.50	37.24	38.04	39.62	40.87	41.97	43.02	44.04	45.19	46.26	47.26	48.15	48.99	2.5%
Total	32.93	32.93	32.93	34.36	35.53	37.02	38.40	39.79	39.79	40.54	41.34	42.91	44.16	45.26	46.31	47.33	48.48	49.56	50.55	51.44	52.28	2.3%
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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.0%
Wood and Other Biomass 3/	0.16	0.16	0.16	0.16	0.17	0.18	0.18	0.19	0.19	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.24	0.25	2.4%
Total	0.20	0.20	0.20	0.21	0.22	0.22	0.23	0.24	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.28	0.29	0.29	0.29	1.9%
Other End-Use Generators 6/																						
Generating Capability																						
(gigawatts)																						
Conventional Hydropower	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic	0.02	0.03	0.05	0.06	0.08	0.11	0.15	0.19	0.24	0.31	0.39	0.39	0.40	0.41	0.41	0.42	0.43	0.44	0.44	0.45	0.46	17.6%
Total	0.99	1.01	1.02	1.04	1.06	1.09	1.13	1.17	1.22	1.29	1.36	1.37	1.38	1.38	1.39	1.40	1.41	1.41	1.42	1.43	1.44	1.9%
Electricity Generation																						
(billion kilowatthours)																						
Conventional Hydropower	3.98	3.37	4.14	4.33	4.33	4.33	4.33	4.33	4.33	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.31	4.31	4.31	4.31	4.31	0.4%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Photovoltaic	0.04	0.06	0.10	0.13	0.18	0.23	0.32	0.40	0.51	0.65	0.81	0.83	0.85	0.86	0.88	0.89	0.91	0.93	0.94	0.96	0.98	17.6%
Total	4.02	3.43	4.24	4.47	4.51	4.56	4.64	4.73	4.84	4.98	5.14	5.15	5.16	5.18	5.19	5.21	5.22	5.24	5.25	5.27	5.29	1.4%
Energy Consumption																						
(quadrillion Btu)																						
Conventional Hydropower	0.04	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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.4%
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	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	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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.4%

1/ Includes grid-connected utilities and nonutilities other than cogenerators. These nonutility facilities include small power producers, exempt wholesale generators and generators at industrial and commercial facilities which do not produce steam for other uses.

2/ Includes hydrothermal resources only (hot water and steam).

3/ Includes projections for energy crops after 2010.

4/ Grid connected generation only.

Note: Totals may not equal sum of components due to independent rounding. Net summer capability has been estimated for nonutility generators for AEO99. Net summer capability 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: 1998 and 1999 generation: EIA, Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Projections: EIA, AEO2001 National Energy Modeling System run aeo2002.d102001b.

Table 89. Domestic Refinery Distillation Base Capacity, Expansion, and Utilization (1 of 1)
(Million Barrels per Day)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
PAD District I																						
Base Capacity	1.7	1.7	1.7	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	1.5	1.5	1.5	1.5	1.5	-0.5%
Capacity Additions	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	N/A
Total Capacity	1.7	1.7	1.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.7	1.7	1.7	1.8	0.2%
Utilization	92.0	90.0	92.0	93.0	93.0	93.0	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	92.9	92.9	92.9	92.9	0.0%
PAD Districts II to IV																						
Base Capacity	11.7	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	11.8	11.8	11.8	11.8	11.8	11.8	11.8	0.1%
Capacity Additions	0.1	0.0	0.0	0.3	0.7	1.0	1.1	1.2	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	N/A
Total Capacity	11.8	11.8	11.8	12.2	12.5	12.9	13.0	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	0.6%
Utilization	94.0	95.8	94.0	93.1	93.0	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	0.0%
PAD District V																						
Base 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	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	0.1%
Capacity Additions	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	N/A
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	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.3	0.2%
Utilization	88.0	89.0	88.0	73.9	75.6	77.7	76.9	80.4	81.2	83.1	84.4	87.8	89.1	91.3	92.9	93.0	93.0	93.0	93.0	93.0	93.0	0.3%
United States																						
Base Capacity	16.5	16.6	16.6	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	16.5	0.0%
Capacity Additions	0.1	0.0	0.0	0.3	0.7	1.0	1.1	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.5	1.6	1.6	N/A
Total Capacity	16.6	16.6	16.6	16.9	17.2	17.6	17.7	17.7	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.9	17.9	17.9	18.0	18.1	18.2	0.5%
Utilization	93.0	94.0	93.0	89.5	89.8	90.0	90.3	91.0	91.1	91.5	91.7	92.3	92.5	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	0.0%

PAD = Petroleum Administration for Defense.

N/A = Not applicable.

Note: Base capacity is for the beginning of the year.

Source: 2000: Energy Information Administration (EIA), Petroleum Supply Annual 2000, DOE/EIA-0340(2000)/1 (Washington, DC, June 2001). Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 90. Components of Selected Petroleum Product Prices (1 of 1)
(2000 Dollars per Gallon)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Diesel																						
End-User Price	1.50	1.45	1.36	1.28	1.29	1.28	1.31	1.37	1.38	1.39	1.41	1.41	1.41	1.41	1.40	1.40	1.40	1.39	1.39	1.38	1.38	-0.4%
Federal Taxes	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21	0.20	0.20	0.19	0.19	0.18	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.14	-2.6%
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	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.0%
Distribution Costs	0.13	0.15	0.15	0.15	0.15	0.15	0.16	0.16	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	0.6%
Wholesale Price	0.91	0.85	0.77	0.69	0.70	0.70	0.72	0.79	0.81	0.82	0.85	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.87	0.88	-0.2%
Motor Gasoline																						
End-User Price	1.53	1.52	1.37	1.35	1.35	1.37	1.39	1.39	1.39	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	-0.4%
Federal Taxes	0.18	0.18	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.15	0.14	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.11	0.11	0.11	-2.7%
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	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.0%
Distribution Costs	0.13	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	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.4%
Wholesale Price	0.98	0.97	0.82	0.82	0.82	0.84	0.87	0.87	0.88	0.88	0.88	0.89	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.92	0.92	-0.3%
Jet Fuel																						
End-User Price	0.99	0.80	0.77	0.74	0.74	0.75	0.74	0.76	0.76	0.78	0.79	0.81	0.81	0.82	0.83	0.85	0.86	0.86	0.86	0.86	0.86	-0.7%
Federal Taxes	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-2.6%
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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.0%
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	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	N/A
Wholesale Price	0.93	0.75	0.71	0.68	0.69	0.70	0.69	0.71	0.72	0.74	0.75	0.76	0.77	0.78	0.79	0.81	0.82	0.82	0.82	0.82	0.82	-0.6%
Residential Distillate Fuel/Heating Oil																						
End-User Price	1.31	1.25	1.15	1.06	1.06	1.07	1.06	1.06	1.06	1.09	1.10	1.10	1.11	1.13	1.16	1.17	1.17	1.18	1.18	1.18	1.18	-0.5%
Distribution Costs	0.41	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	0.40	0.40	0.40	0.40	0.40	0.40	0.40	-0.1%
Wholesale Price	0.90	0.85	0.75	0.65	0.66	0.66	0.66	0.67	0.67	0.69	0.71	0.71	0.72	0.74	0.77	0.78	0.79	0.79	0.79	0.80	0.81	-0.6%
World Oil Price	0.66	0.54	0.50	0.53	0.54	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.57	0.58	0.58	0.58	0.59	-0.6%

1/ Includes a 2 cent average local tax.

N/A = Not applicable.

Sources: 2000 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." 2000 diesel and gasoline taxes: Federal Highway Administration, Table MF-121T, http://www.fhwa.dot.gov/ohim/mmfr/mmfrpage.htm, March 2000. 2000 jet fuel taxes: EIA, Office of Oil and Gas. 2000 end-user prices: estimated as the sum of the components.

Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 91. Lower 48 Crude Oil Production and Wellhead Prices by Supply Region (1 of 1)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Production 1/																						
(million barrels per day)																						
Lower 48 Total	4.85	4.87	4.88	4.77	4.65	4.58	4.53	4.54	4.49	4.44	4.38	4.34	4.31	4.44	4.57	4.65	4.69	4.67	4.65	4.57	4.53	-0.3%
Lower 48 Onshore																						
Northeast	0.10	0.09	0.09	0.07	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08	-1.0%
Gulf Coast	0.62	0.60	0.58	0.53	0.49	0.45	0.42	0.39	0.36	0.34	0.32	0.30	0.29	0.28	0.27	0.26	0.25	0.24	0.23	0.22	0.22	-5.1%
Midcontinent	0.33	0.33	0.32	0.33	0.32	0.31	0.30	0.30	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29	-0.7%
Southwest	1.10	1.07	1.04	1.07	1.03	1.00	0.98	0.95	0.93	0.92	0.91	0.90	0.89	0.89	0.89	0.89	0.89	0.90	0.90	0.90	0.91	-1.0%
Rocky Mountain	0.40	0.39	0.38	0.42	0.40	0.38	0.36	0.35	0.34	0.33	0.32	0.32	0.32	0.32	0.32	0.33	0.34	0.35	0.36	0.37	0.39	-0.1%
West Coast	0.69	0.67	0.66	0.69	0.69	0.70	0.71	0.72	0.73	0.74	0.75	0.77	0.78	0.79	0.80	0.82	0.82	0.83	0.83	0.83	0.82	0.8%
Lower 48 Offshore																						
Gulf	1.47	1.58	1.70	1.52	1.51	1.54	1.56	1.64	1.64	1.62	1.58	1.56	1.53	1.66	1.77	1.83	1.84	1.81	1.77	1.67	1.61	0.5%
Pacific	0.15	0.13	0.12	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.22	2.0%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Wellhead Prices (2000 dollars per barrel)																						
Lower 48 Average	27.59	22.76	21.22	21.98	22.33	22.28	22.19	22.37	22.43	22.62	22.70	22.89	22.86	22.97	23.06	23.15	23.29	23.42	23.51	23.67	23.79	-0.7%
Lower 48 Onshore																						
Northeast	28.05	23.13	21.55	22.17	22.62	22.47	22.21	22.43	22.42	22.60	22.70	22.90	22.90	23.00	23.06	23.16	23.34	23.50	23.60	23.82	23.97	-0.8%
Gulf Coast	28.55	23.54	21.94	22.01	22.39	22.29	22.08	22.27	22.30	22.48	22.60	22.79	22.80	22.90	22.98	23.09	23.26	23.41	23.50	23.69	23.83	-0.9%
Midcontinent	28.70	23.66	22.05	22.01	22.41	22.31	22.13	22.34	22.34	22.51	22.62	22.81	22.83	22.92	22.98	23.09	23.26	23.42	23.52	23.74	23.89	-0.9%
Southwest	28.67	23.64	22.02	21.74	22.08	22.06	21.98	22.18	22.21	22.36	22.47	22.67	22.71	22.80	22.86	22.97	23.12	23.28	23.40	23.60	23.75	-0.9%
Rocky Mountain	27.72	22.86	21.30	22.06	22.45	22.33	22.11	22.30	22.34	22.52	22.63	22.82	22.83	22.93	23.00	23.11	23.28	23.43	23.53	23.72	23.86	-0.7%
West Coast	24.88	20.52	19.12	20.81	21.00	21.09	21.35	21.44	21.59	21.88	21.87	22.09	21.94	22.00	22.08	22.06	22.14	22.21	22.32	22.42	22.53	-0.5%
Lower 48 Offshore																						
Gulf	27.72	22.86	21.30	22.89	23.29	23.18	22.96	23.16	23.20	23.38	23.50	23.70	23.71	23.82	23.90	24.01	24.19	24.34	24.44	24.64	24.78	-0.6%
Pacific	23.58	19.44	18.12	19.36	19.53	19.62	19.86	19.94	20.08	20.35	20.34	20.54	20.40	20.46	20.53	20.52	20.59	20.66	20.76	20.85	20.95	-0.6%
Atlantic	27.72	22.86	21.30	22.17	22.62	22.47	22.21	22.43	22.42	22.60	22.70	22.90	22.90	23.00	23.06	23.16	23.34	23.50	23.60	23.82	23.97	-0.7%

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-M063(2000) (Washington, DC, January 2000).

Totals may not equal sum of components due to independent rounding. Data for 2000 may differ slightly from official EIA data reports due to internal conversion factors within the AEO2002 National Energy Modeling System.

Sources: 2000: Energy Information Administration (EIA), Office of Integrated Analysis and Forecasting, and Petroleum Supply Annual 2000, DOE/EIA-0340(2000)/1 (Washington, DC, June 2001). Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 92. Lower 48 Natural Gas Production and Wellhead Prices by Supply Region (1 of 1)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Dry Production (trillion cubic feet) 1/																						
Lower 48 Total	18.65	18.83	19.07	19.72	20.03	20.23	20.75	21.19	21.77	22.27	22.95	23.67	24.20	24.71	25.21	25.75	26.23	26.69	27.17	27.49	27.88	2.0%
Lower 48 Onshore																						
Northeast	0.93	0.91	0.99	1.05	1.09	1.14	1.21	1.28	1.34	1.39	1.46	1.55	1.63	1.71	1.76	1.81	1.84	1.90	1.98	2.08	2.19	4.4%
Gulf Coast	4.81	4.70	4.93	5.07	5.07	5.02	5.06	5.09	5.14	5.24	5.47	5.76	6.03	6.27	6.46	6.65	6.76	6.81	6.80	6.71	6.64	1.6%
Midcontinent	2.58	2.59	2.79	2.86	2.87	2.86	2.88	2.90	2.93	2.96	3.05	3.15	3.24	3.31	3.38	3.47	3.55	3.63	3.71	3.77	3.83	2.0%
Southwest	1.61	1.60	1.56	1.54	1.53	1.55	1.61	1.65	1.72	1.78	1.87	1.95	2.01	2.05	2.09	2.12	2.15	2.18	2.21	2.24	2.28	1.8%
Rocky Mountain	3.08	3.49	3.12	3.35	3.42	3.46	3.63	3.72	3.87	4.04	4.24	4.46	4.60	4.73	4.86	4.97	5.11	5.28	5.46	5.59	5.75	3.2%
West Coast	0.31	0.34	0.32	0.28	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.40	0.40	0.41	0.42	0.44	1.9%
Lower 48 Offshore																						
Gulf	5.28	5.16	5.31	5.51	5.67	5.81	5.97	6.15	6.37	6.45	6.44	6.37	6.25	6.20	6.22	6.29	6.37	6.43	6.53	6.62	6.68	1.2%
Pacific	0.06	0.06	0.05	0.05	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	0.07	0.07	0.07	0.07	0.8%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Wellhead Prices																						
(2000 dollars per thousand cubic feet)																						
Lower 48 Average	3.60	3.94	1.98	2.37	2.58	2.66	2.70	2.71	2.79	2.81	2.85	2.91	2.97	3.01	3.03	3.07	3.09	3.13	3.17	3.20	3.26	-0.5%
Lower 48 Onshore																						
Northeast	4.17	4.62	2.32	2.65	2.87	2.94	2.96	3.01	3.12	3.16	3.19	3.23	3.27	3.33	3.41	3.49	3.53	3.52	3.51	3.51	3.55	-0.8%
Gulf Coast	3.74	3.83	1.94	2.34	2.58	2.68	2.69	2.73	2.79	2.79	2.80	2.84	2.90	2.95	2.99	3.03	3.08	3.16	3.24	3.30	3.36	-0.5%
Midcontinent	3.56	3.74	1.91	2.40	2.65	2.72	2.73	2.77	2.84	2.85	2.87	2.92	2.98	3.03	3.05	3.08	3.10	3.15	3.20	3.24	3.30	-0.4%
Southwest	3.71	4.17	2.06	2.57	2.73	2.66	2.66	2.68	2.73	2.74	2.76	2.85	2.93	2.99	3.04	3.08	3.11	3.14	3.19	3.22	3.26	-0.7%
Rocky Mountain	3.26	3.98	1.87	2.22	2.48	2.59	2.66	2.62	2.71	2.71	2.70	2.72	2.78	2.86	2.86	2.91	2.92	2.91	2.92	2.95	3.00	-0.4%
West Coast	3.76	4.96	2.55	3.12	3.12	3.03	3.11	3.03	3.12	3.06	3.00	3.00	3.04	3.08	3.14	3.21	3.24	3.25	3.26	3.24	3.28	-0.7%
Lower 48 Offshore																						
Gulf	3.54	3.83	1.98	2.31	2.49	2.59	2.64	2.66	2.72	2.81	2.93	3.04	3.10	3.09	3.09	3.10	3.09	3.14	3.16	3.19	3.26	-0.4%
Pacific	4.26	5.52	2.53	2.60	2.71	2.89	3.37	3.38	3.42	3.32	3.22	3.21	3.26	3.37	3.45	3.52	3.56	3.58	3.57	3.55	3.57	-0.9%
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A

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(2000) (Washington, DC, January 2000).

Totals may not equal sum of components due to independent rounding.

Source: 2000: Energy Information Administration (EIA), Office of Integrated Analysis and Forecasting, and Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001).

Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 93. Oil and Gas End-of-Year Reserves and Annual Reserve Additions (1 of 1)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Lower 48 Reserves																						
Crude Oil (billion barrels) 1/																						
Lower 48 Total	18.29	17.52	16.81	16.24	15.81	15.44	15.22	14.93	14.65	14.41	14.23	14.09	14.26	14.45	14.57	14.63	14.61	14.57	14.42	14.33	14.45	-1.2%
Lower 48 Onshore	14.03	13.49	13.02	12.53	12.11	11.74	11.44	11.18	10.97	10.80	10.67	10.58	10.52	10.50	10.50	10.52	10.55	10.55	10.54	10.54	10.55	-1.4%
Conventional	11.65	11.16	10.63	10.10	9.63	9.21	8.84	8.52	8.24	8.00	7.80	7.63	7.50	7.39	7.31	7.25	7.21	7.19	7.19	7.19	7.21	-2.4%
Enhanced Oil Recovery	2.38	2.33	2.38	2.43	2.48	2.52	2.59	2.66	2.73	2.80	2.88	2.95	3.02	3.11	3.19	3.26	3.33	3.35	3.36	3.35	3.34	1.7%
Lower 48 Offshore	4.25	4.03	3.80	3.71	3.70	3.70	3.78	3.75	3.69	3.61	3.55	3.51	3.74	3.95	4.08	4.12	4.07	4.03	3.87	3.79	3.90	-0.4%
Dry Natural Gas (trillion cubic feet)																						
Lower 48 Total	162.3	166.9	162.4	163.6	165.1	167.2	169.4	171.0	172.2	173.2	174.1	174.9	177.0	178.4	180.3	181.5	183.0	185.2	186.4	187.5	187.8	0.7%
Lower 48 Onshore	132.2	136.1	131.0	131.1	132.0	133.1	134.4	135.2	136.5	138.1	139.6	141.0	142.6	144.2	145.5	146.7	148.9	150.8	152.4	154.1	155.3	0.8%
Associated-Dissolved 2/	15.0	15.4	15.0	14.5	14.3	13.7	13.2	12.8	12.5	12.2	12.0	11.8	11.7	11.6	11.5	11.5	11.5	11.5	11.5	11.5	11.5	-1.3%
Non-Associated	117.2	120.7	116.0	116.6	117.7	119.4	121.2	122.4	124.0	125.9	127.6	129.1	130.9	132.6	134.0	135.2	137.4	139.3	141.0	142.7	143.8	1.0%
Conventional	64.0	66.8	60.7	60.9	60.8	60.8	60.7	60.9	61.3	61.8	62.4	63.0	63.6	64.3	64.9	65.4	65.8	66.1	66.3	66.3	66.1	0.2%
Unconventional	53.1	54.0	55.4	55.7	56.9	58.7	60.4	61.5	62.7	64.1	65.2	66.2	67.3	68.3	69.1	69.8	71.6	73.2	74.7	76.3	77.8	1.9%
Lower 48 Offshore	30.1	30.8	31.4	32.6	33.0	34.0	35.0	35.8	35.8	35.1	34.5	33.9	34.4	34.2	34.7	34.8	34.1	34.4	34.0	33.4	32.5	0.4%
Associated-Dissolved 2/	7.0	7.1	7.3	7.4	7.2	7.2	7.2	7.2	7.4	7.4	7.3	7.3	7.3	7.2	7.4	7.6	7.7	7.8	7.7	7.6	7.5	0.4%
Non-Associated	23.2	23.7	24.1	25.2	25.9	26.9	27.8	28.6	28.4	27.7	27.2	26.6	27.1	26.9	27.3	27.1	26.4	26.7	26.3	25.7	25.0	0.4%
Lower 48 Reserve Additions																						
Crude Oil (billion barrels)1/																						
Lower 48 Total	1.80	1.01	1.08	1.17	1.26	1.30	1.44	1.36	1.37	1.38	1.41	1.45	1.74	1.81	1.80	1.76	1.69	1.67	1.54	1.58	1.77	-0.1%
Lower 48 Onshore	1.14	0.61	0.64	0.65	0.67	0.68	0.73	0.75	0.77	0.81	0.83	0.87	0.89	0.93	0.96	0.98	1.00	0.98	0.97	0.98	0.99	-0.7%
Conventional	1.01	0.44	0.36	0.37	0.39	0.40	0.42	0.43	0.45	0.47	0.49	0.52	0.54	0.56	0.58	0.61	0.63	0.65	0.66	0.68	0.70	-1.8%
Enhanced Oil Recovery	0.13	0.17	0.29	0.28	0.29	0.28	0.31	0.32	0.32	0.34	0.34	0.35	0.35	0.37	0.37	0.38	0.37	0.33	0.31	0.30	0.29	4.0%
Lower 48 Offshore	0.65	0.40	0.43	0.52	0.59	0.61	0.71	0.61	0.59	0.57	0.58	0.58	0.85	0.88	0.84	0.77	0.69	0.69	0.57	0.60	0.78	0.9%
Dry Natural Gas (trillion cubic feet)																						
Lower 48 Total	22.5	23.5	14.5	21.0	21.5	22.3	23.0	22.8	23.0	23.3	23.8	24.5	26.3	26.1	27.1	27.0	27.8	28.9	28.4	28.5	28.2	1.1%
Lower 48 Onshore	17.1	17.5	8.6	14.2	15.3	15.5	16.0	15.8	16.6	17.4	17.9	18.6	19.5	20.1	20.2	20.6	22.0	22.1	22.2	22.5	22.3	1.3%
Associated-Dissolved 2/	1.2	2.2	1.4	1.2	1.5	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	0.5%
Non-Associated	15.8	15.4	7.2	13.0	13.8	14.4	14.9	14.7	15.4	16.2	16.7	17.4	18.3	18.8	18.9	19.3	20.6	20.7	20.8	21.1	20.9	1.4%
Conventional	9.6	9.6	0.9	7.1	6.8	6.8	7.0	7.3	7.6	8.0	8.5	8.9	9.4	9.9	10.3	10.5	10.6	10.7	10.8	10.7	10.5	0.5%
Unconventional	6.2	5.8	6.3	5.9	6.9	7.6	7.8	7.4	7.8	8.2	8.3	8.4	8.8	8.9	8.7	8.8	10.0	10.0	10.1	10.4	10.4	2.6%
Lower 48 Offshore	5.4	5.9	5.9	6.8	6.2	6.8	7.0	7.0	6.4	5.9	5.9	5.9	6.8	6.0	6.8	6.4	5.8	6.8	6.2	6.0	5.9	0.4%
Associated-Dissolved 2/	1.0	1.3	1.4	1.4	0.9	1.2	1.2	1.3	1.4	1.2	1.2	1.2	1.2	1.2	1.5	1.5	1.4	1.3	1.2	1.2	1.1	0.4%
Non-Associated	4.4	4.6	4.5	5.4	5.3	5.7	5.8	5.7	5.0	4.6	4.7	4.7	5.6	4.9	5.4	4.9	4.4	5.5	5.0	4.8	4.8	0.4%

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), Office of Integrated Analysis and Forecasting. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 94. Natural Gas Imports and Exports (1 of 1)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Volumes (trillion cubic feet)																						
Total Net Imports	3.52	3.68	3.74	4.04	4.31	4.50	4.58	4.68	4.72	4.80	4.89	4.97	5.06	5.13	5.20	5.26	5.31	5.36	5.42	5.47	5.51	2.3%
Pipeline																						
Imports from Canada	3.53	3.59	3.61	3.83	4.03	4.16	4.27	4.40	4.46	4.51	4.59	4.68	4.78	4.86	4.92	4.98	5.03	5.07	5.11	5.13	5.14	1.9%
Exports to Canada	0.07	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	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.3%
Imports from Mexico	0.01	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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	5.8%
Exports to Mexico	0.11	0.09	0.12	0.16	0.21	0.26	0.32	0.38	0.46	0.47	0.48	0.49	0.50	0.51	0.51	0.51	0.50	0.49	0.47	0.45	0.42	7.1%
Liquefied Natural Gas																						
Imports	0.22	0.29	0.37	0.48	0.60	0.70	0.74	0.77	0.82	0.87	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	7.1%
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	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.0%
Border Prices (2000 dollars per																						
thousand cubic feet)																						
Average Import Price	3.94	4.03	1.97	2.29	2.53	2.68	2.74	2.81	2.85	2.88	2.91	2.96	3.01	3.05	3.09	3.13	3.18	3.22	3.28	3.33	3.40	-0.7%
Pipeline Import Prices																						
From Canada	3.97	4.02	1.96	2.27	2.51	2.67	2.74	2.82	2.85	2.88	2.92	2.96	3.01	3.05	3.10	3.14	3.19	3.23	3.29	3.34	3.41	-0.8%
From Mexico	5.43	3.97	2.06	2.47	2.71	2.80	2.81	2.85	2.92	2.92	2.94	3.00	3.06	3.11	3.15	3.19	3.23	3.29	3.36	3.41	3.47	-2.2%
LNG Price (including regasification)	3.41	4.21	2.09	2.43	2.64	2.73	2.75	2.79	2.84	2.86	2.90	2.96	3.00	3.03	3.06	3.09	3.12	3.17	3.22	3.27	3.33	-0.1%

LNG = Liquefied natural gas.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Data for 2000 may differ slightly from official EIA data reports due to internal conversion factors within the AEO2002 National Energy Modeling System.

Sources: 2000 import and export volumes and import prices: Energy Information Administration (EIA), Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). Other 2000: EIA, Office of Integrated Analysis and Forecasting. Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 95. Natural Gas Consumption by End-Use Sector and Census Division (1 of 2)
(Trillion Cubic Feet per Year)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
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	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.6%
Middle Atlantic	0.85	0.86	0.88	0.89	0.90	0.89	0.89	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.2%
East North Central	1.47	1.47	1.54	1.57	1.58	1.57	1.57	1.58	1.59	1.59	1.59	1.60	1.61	1.61	1.62	1.62	1.63	1.64	1.65	1.66	1.67	0.7%
West North Central	0.46	0.47	0.48	0.49	0.50	0.49	0.50	0.50	0.50	0.50	0.51	0.51	0.51	0.51	0.52	0.52	0.52	0.53	0.53	0.53	0.54	0.8%
South Atlantic	0.46	0.45	0.47	0.48	0.49	0.49	0.50	0.51	0.52	0.53	0.54	0.55	0.56	0.56	0.57	0.58	0.59	0.60	0.61	0.62	0.63	1.6%
East South Central	0.21	0.22	0.22	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.27	0.28	1.3%
West South Central	0.40	0.42	0.43	0.44	0.44	0.44	0.45	0.45	0.46	0.46	0.46	0.47	0.47	0.47	0.48	0.48	0.49	0.49	0.50	0.50	0.51	1.2%
Mountain	0.32	0.33	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.40	0.41	0.41	0.42	0.42	0.43	0.44	0.44	0.45	0.46	1.8%
Pacific	0.64	0.65	0.67	0.69	0.70	0.70	0.71	0.71	0.72	0.72	0.73	0.74	0.75	0.75	0.76	0.77	0.78	0.78	0.79	0.80	0.81	1.2%
Total	5.00	5.05	5.22	5.33	5.39	5.37	5.40	5.43	5.48	5.49	5.53	5.57	5.63	5.65	5.69	5.73	5.78	5.81	5.86	5.91	5.98	0.9%
Commercial																						
New England	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.16	1.6%
Middle Atlantic	0.52	0.52	0.55	0.57	0.58	0.58	0.59	0.59	0.60	0.60	0.61	0.62	0.63	0.64	0.65	0.65	0.66	0.66	0.67	0.68	0.68	1.4%
East North Central	0.76	0.76	0.79	0.81	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.88	0.88	0.89	0.8%
West North Central	0.34	0.35	0.35	0.37	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.40	0.40	0.40	0.40	0.41	0.41	0.41	0.42	0.42	1.1%
South Atlantic	0.38	0.38	0.39	0.41	0.42	0.43	0.44	0.45	0.46	0.48	0.49	0.50	0.51	0.53	0.54	0.55	0.57	0.58	0.60	0.61	0.63	2.6%
East South Central	0.20	0.20	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.27	1.5%
West South Central	0.31	0.32	0.33	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.39	0.40	0.40	0.40	0.40	0.41	0.41	1.4%
Mountain	0.25	0.25	0.27	0.28	0.29	0.29	0.30	0.30	0.31	0.32	0.33	0.34	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42	2.7%
Pacific	0.41	0.41	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.54	0.55	0.57	0.58	0.59	0.61	0.62	0.64	2.2%
Total	3.27	3.31	3.43	3.56	3.64	3.67	3.72	3.77	3.82	3.87	3.93	3.99	4.04	4.09	4.15	4.21	4.27	4.33	4.39	4.45	4.52	1.6%
Industrial 1/																						
New England	0.24	0.21	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	0.28	0.28	0.28	0.28	0.29	0.29	0.9%
Middle Atlantic	0.69	0.63	0.70	0.74	0.75	0.76	0.76	0.74	0.74	0.74	0.74	0.75	0.75	0.76	0.77	0.77	0.78	0.79	0.79	0.79	0.80	0.7%
East North Central	1.36	1.22	1.37	1.47	1.48	1.50	1.53	1.55	1.56	1.58	1.60	1.62	1.63	1.64	1.65	1.66	1.68	1.69	1.70	1.70	1.70	1.1%
West North Central	0.42	0.37	0.42	0.45	0.46	0.46	0.47	0.48	0.48	0.48	0.49	0.50	0.50	0.50	0.51	0.51	0.51	0.52	0.52	0.52	0.52	1.2%
South Atlantic	0.71	0.64	0.72	0.74	0.74	0.75	0.76	0.77	0.78	0.78	0.79	0.81	0.81	0.82	0.83	0.83	0.84	0.85	0.85	0.86	0.86	1.0%
East South Central	0.55	0.50	0.55	0.57	0.57	0.58	0.59	0.59	0.60	0.60	0.61	0.62	0.62	0.63	0.63	0.64	0.64	0.65	0.65	0.65	0.65	0.9%
West South Central	3.11	2.85	3.14	3.19	3.20	3.23	3.29	3.32	3.34	3.37	3.39	3.44	3.47	3.50	3.51	3.55	3.58	3.59	3.59	3.57	3.58	0.7%
Mountain	0.23	0.21	0.23	0.24	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.9%
Pacific	1.11	1.03	1.12	1.08	1.10	1.12	1.15	1.18	1.20	1.23	1.25	1.26	1.28	1.26	1.26	1.27	1.29	1.32	1.36	1.38	1.38	1.1%
Total	8.41	7.67	8.49	8.72	8.79	8.89	9.04	9.14	9.20	9.31	9.39	9.51	9.61	9.65	9.69	9.79	9.88	9.96	10.02	10.02	10.06	0.9%

Table 95. Natural Gas Consumption by End-Use Sector and Census Division (2 of 2)
(Trillion Cubic Feet per Year)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electric Generators 2/																						
New England	0.19	0.21	0.31	0.28	0.28	0.29	0.29	0.31	0.33	0.34	0.35	0.37	0.38	0.41	0.43	0.43	0.44	0.45	0.46	0.46	0.46	4.6%
Middle Atlantic	0.17	0.16	0.25	0.31	0.33	0.36	0.38	0.43	0.45	0.48	0.53	0.59	0.62	0.66	0.70	0.75	0.76	0.79	0.82	0.83	0.85	8.5%
East North Central	0.30	0.22	0.42	0.42	0.44	0.46	0.51	0.54	0.60	0.63	0.70	0.79	0.86	0.92	0.98	1.05	1.11	1.20	1.29	1.38	1.46	8.2%
West North Central	0.12	0.12	0.14	0.14	0.14	0.13	0.13	0.11	0.12	0.12	0.13	0.15	0.16	0.17	0.19	0.21	0.23	0.25	0.27	0.28	0.29	4.3%
South Atlantic	0.55	0.47	0.67	0.69	0.73	0.76	0.75	0.73	0.77	0.79	0.84	0.90	0.94	0.98	1.02	1.06	1.10	1.13	1.16	1.19	1.21	4.0%
East South Central	0.20	0.18	0.24	0.25	0.29	0.32	0.38	0.52	0.63	0.76	0.85	0.94	1.04	1.13	1.25	1.36	1.44	1.50	1.58	1.64	1.68	11.4%
West South Central	1.58	1.53	1.71	1.83	1.82	1.82	1.81	1.76	1.78	1.79	1.87	1.96	2.02	2.08	2.13	2.18	2.22	2.25	2.29	2.31	2.35	2.0%
Mountain	0.24	0.31	0.25	0.27	0.29	0.28	0.27	0.25	0.19	0.17	0.16	0.18	0.17	0.16	0.17	0.16	0.15	0.15	0.15	0.14	0.14	-2.7%
Pacific	0.89	1.07	0.84	0.93	1.01	1.06	1.17	1.23	1.32	1.36	1.41	1.49	1.56	1.64	1.69	1.72	1.74	1.78	1.81	1.82	1.88	3.8%
Total	4.24	4.27	4.82	5.12	5.33	5.48	5.69	5.89	6.19	6.44	6.85	7.37	7.76	8.16	8.55	8.91	9.19	9.50	9.83	10.06	10.30	4.5%
Transportation 3/																						
New England	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.8%
Middle Atlantic	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	8.6%
East North Central	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	8.6%
West North Central	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.3%
South Atlantic	0.00	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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	9.5%
East 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	10.8%
West South Central	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	10.3%
Mountain	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	12.8%
Pacific	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	9.5%
Total	0.02	0.03	0.03	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14	9.8%
All Sectors 4/																						
New England	0.72	0.72	0.85	0.84	0.84	0.85	0.86	0.89	0.91	0.92	0.94	0.97	0.99	1.02	1.04	1.05	1.07	1.08	1.10	1.11	1.11	2.2%
Middle Atlantic	2.23	2.16	2.38	2.51	2.56	2.60	2.62	2.65	2.67	2.72	2.77	2.84	2.89	2.94	2.99	3.06	3.08	3.13	3.16	3.19	3.22	1.8%
East North Central	3.90	3.69	4.13	4.28	4.35	4.38	4.46	4.52	4.60	4.65	4.75	4.87	4.96	5.03	5.12	5.21	5.30	5.41	5.53	5.63	5.73	2.0%
West North Central	1.33	1.31	1.39	1.45	1.47	1.47	1.48	1.47	1.49	1.51	1.53	1.56	1.58	1.60	1.63	1.66	1.68	1.72	1.74	1.76	1.78	1.4%
South Atlantic	2.10	1.95	2.26	2.33	2.39	2.44	2.46	2.48	2.54	2.58	2.67	2.76	2.83	2.90	2.97	3.05	3.11	3.17	3.24	3.30	3.34	2.4%
East South Central	1.16	1.10	1.22	1.26	1.32	1.35	1.43	1.58	1.70	1.84	1.95	2.05	2.16	2.26	2.39	2.51	2.60	2.67	2.76	2.82	2.87	4.6%
West South Central	5.39	5.12	5.60	5.79	5.81	5.84	5.90	5.89	5.94	5.99	6.10	6.24	6.36	6.45	6.51	6.61	6.69	6.74	6.78	6.80	6.85	1.2%
Mountain	1.04	1.10	1.10	1.15	1.18	1.18	1.19	1.19	1.14	1.14	1.15	1.19	1.20	1.21	1.23	1.24	1.25	1.27	1.29	1.30	1.31	1.1%
Pacific	3.05	3.17	3.05	3.14	3.27	3.34	3.50	3.60	3.74	3.82	3.90	4.01	4.13	4.20	4.27	4.33	4.40	4.48	4.58	4.63	4.71	2.2%
Total	20.92	20.31	21.98	22.76	23.18	23.45	23.89	24.27	24.73	25.17	25.76	26.49	27.10	27.61	28.15	28.70	29.19	29.67	30.17	30.53	30.93	2.0%

1/ Excludes lease and plant fuel, and includes consumption by cogenerators.

2/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy.

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 2000 may differ slightly from official EIA data reports due to internal conversion factors in the AEO2002 National Energy Modelling System.

Sources: 2000 values: Energy Information Administration (EIA), Short-Term Energy Outlook, October 2001, http://www.eia.doe.gov/pub/forecasting/steo/oldsteos/oct01.pdf.

Projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 96. Natural Gas Delivered Prices by End-Use Sector and Census Division (1 of 2)
(2000 Dollars per Thousand Cubic Feet)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Residential																						
New England	10.19	11.61	8.97	9.18	9.33	9.39	9.35	9.33	9.32	9.28	9.26	9.26	9.23	9.22	9.22	9.22	9.23	9.26	9.28	9.30	9.32	-0.4%
Middle Atlantic	9.05	10.45	7.81	8.05	8.21	8.26	8.23	8.21	8.22	8.19	8.18	8.21	8.23	8.26	8.28	8.32	8.34	8.38	8.42	8.44	8.48	-0.3%
East North Central	6.85	8.04	5.58	5.88	6.04	6.06	6.03	5.99	6.00	5.98	5.98	6.03	6.07	6.09	6.11	6.14	6.16	6.19	6.22	6.24	6.27	-0.4%
West North Central	7.40	8.38	6.00	6.33	6.50	6.55	6.51	6.48	6.48	6.45	6.43	6.47	6.51	6.54	6.54	6.57	6.59	6.62	6.64	6.67	6.72	-0.5%
South Atlantic	9.55	10.26	7.77	8.06	8.21	8.21	8.15	8.09	8.09	8.06	8.03	8.05	8.06	8.05	8.04	8.05	8.05	8.09	8.11	8.12	8.16	-0.8%
East South Central	7.89	9.06	6.70	7.03	7.22	7.24	7.19	7.15	7.16	7.14	7.13	7.18	7.20	7.20	7.19	7.20	7.21	7.25	7.29	7.31	7.35	-0.4%
West South Central	7.43	8.44	6.13	6.44	6.63	6.67	6.63	6.59	6.60	6.59	6.59	6.64	6.68	6.68	6.68	6.69	6.70	6.75	6.78	6.81	6.86	-0.4%
Mountain	6.49	8.29	5.70	6.00	6.21	6.25	6.24	6.14	6.17	6.14	6.10	6.10	6.16	6.24	6.25	6.30	6.33	6.33	6.36	6.41	6.49	0.0%
Pacific	7.94	9.28	6.63	6.90	7.09	7.14	7.16	7.08	7.07	7.02	6.94	6.93	6.96	7.02	7.01	7.04	7.03	7.02	7.03	7.03	7.05	-0.6%
Average	7.85	9.06	6.55	6.83	7.00	7.04	7.01	6.96	6.97	6.94	6.92	6.95	6.98	7.00	7.01	7.04	7.05	7.08	7.10	7.12	7.16	-0.5%
Commercial																						
New England	7.86	9.42	6.73	6.97	7.12	7.19	7.15	7.15	7.15	7.11	7.08	7.10	7.09	7.09	7.10	7.12	7.14	7.17	7.20	7.23	7.27	-0.4%
Middle Atlantic	5.53	7.19	4.53	4.80	4.97	5.03	5.02	5.02	5.03	5.01	5.00	5.05	5.08	5.12	5.16	5.21	5.24	5.28	5.32	5.36	5.42	-0.1%
East North Central	6.34	7.61	5.09	5.40	5.55	5.57	5.54	5.50	5.52	5.49	5.49	5.54	5.59	5.61	5.63	5.67	5.69	5.73	5.75	5.78	5.82	-0.4%
West North Central	6.39	7.43	4.99	5.33	5.51	5.55	5.52	5.49	5.49	5.47	5.45	5.50	5.55	5.58	5.59	5.62	5.65	5.68	5.71	5.75	5.80	-0.5%
South Atlantic	7.40	8.57	6.06	6.39	6.55	6.56	6.51	6.47	6.49	6.47	6.45	6.50	6.54	6.55	6.56	6.58	6.60	6.64	6.68	6.71	6.76	-0.4%
East South Central	6.84	8.13	5.72	6.06	6.24	6.27	6.23	6.20	6.21	6.20	6.20	6.25	6.30	6.30	6.31	6.33	6.35	6.40	6.44	6.47	6.53	-0.2%
West South Central	5.95	7.02	4.65	4.97	5.16	5.20	5.17	5.14	5.16	5.15	5.16	5.22	5.28	5.29	5.30	5.33	5.35	5.40	5.45	5.49	5.55	-0.4%
Mountain	5.45	7.36	4.71	5.03	5.25	5.29	5.30	5.21	5.25	5.22	5.17	5.19	5.26	5.35	5.36	5.42	5.45	5.46	5.50	5.56	5.64	0.2%
Pacific	6.99	8.46	5.87	6.14	6.32	6.37	6.40	6.33	6.33	6.28	6.21	6.21	6.25	6.31	6.31	6.34	6.34	6.33	6.34	6.35	6.38	-0.5%
Average	6.40	7.76	5.22	5.53	5.70	5.74	5.72	5.69	5.70	5.68	5.66	5.70	5.75	5.78	5.80	5.84	5.86	5.90	5.93	5.97	6.02	-0.3%
Industrial 1/																						
New England	5.45	5.86	3.61	3.92	4.12	4.25	4.28	4.34	4.38	4.40	4.43	4.45	4.46	4.47	4.50	4.53	4.56	4.60	4.64	4.68	4.73	-0.7%
Middle Atlantic	5.74	5.66	3.42	3.74	3.94	4.05	4.09	4.15	4.21	4.24	4.28	4.33	4.37	4.41	4.46	4.51	4.55	4.59	4.64	4.68	4.74	-1.0%
East North Central	4.72	5.08	2.99	3.34	3.53	3.61	3.62	3.64	3.70	3.72	3.76	3.83	3.88	3.91	3.95	3.99	4.02	4.05	4.09	4.12	4.17	-0.6%
West North Central	4.47	4.87	2.84	3.21	3.42	3.51	3.53	3.54	3.60	3.61	3.65	3.70	3.75	3.79	3.82	3.86	3.89	3.92	3.96	4.01	4.06	-0.5%
South Atlantic	4.73	4.99	2.93	3.32	3.52	3.59	3.60	3.63	3.70	3.73	3.78	3.85	3.90	3.93	3.96	4.00	4.03	4.08	4.13	4.18	4.24	-0.5%
East South Central	3.96	4.46	2.49	2.88	3.10	3.18	3.20	3.23	3.30	3.34	3.39	3.46	3.52	3.55	3.58	3.61	3.63	3.69	3.74	3.80	3.86	-0.1%
West South Central	4.04	4.25	2.31	2.69	2.91	3.00	3.02	3.05	3.12	3.16	3.22	3.29	3.36	3.39	3.41	3.44	3.47	3.53	3.58	3.64	3.70	-0.4%
Mountain	4.16	4.88	2.74	3.12	3.37	3.48	3.53	3.49	3.59	3.62	3.63	3.66	3.74	3.84	3.87	3.95	3.99	4.02	4.07	4.15	4.24	0.1%
Pacific	4.24	4.88	2.77	3.12	3.36	3.47	3.56	3.55	3.61	3.61	3.59	3.61	3.67	3.75	3.77	3.82	3.83	3.84	3.85	3.87	3.92	-0.4%
Average	4.43	4.75	2.71	3.08	3.30	3.39	3.42	3.44	3.50	3.53	3.57	3.63	3.68	3.73	3.75	3.79	3.82	3.86	3.91	3.95	4.01	-0.5%

Table 96. Natural Gas Delivered Prices by End-Use Sector and Census Division (2 of 2)
(2000 Dollars per Thousand Cubic Feet)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Electric Generators 2/																						
New England	4.69	4.90	3.08	3.40	3.64	3.75	3.75	3.80	3.83	3.83	3.84	3.88	3.88	3.91	3.94	3.97	4.01	4.04	4.09	4.13	4.18	-0.6%
Middle Atlantic	4.70	4.63	2.80	3.08	3.30	3.40	3.54	3.62	3.71	3.74	3.76	3.83	3.89	3.93	3.99	4.05	4.10	4.15	4.20	4.25	4.31	-0.4%
East North Central	3.72	3.85	2.07	2.41	2.65	2.74	2.77	2.82	2.90	2.94	2.98	3.10	3.18	3.22	3.28	3.35	3.40	3.44	3.49	3.53	3.58	-0.2%
West North Central	4.38	4.25	2.51	2.87	3.04	3.10	3.13	3.16	3.23	3.27	3.31	3.40	3.47	3.52	3.60	3.69	3.77	3.83	3.90	3.96	4.03	-0.4%
South Atlantic	4.60	4.44	2.81	3.19	3.38	3.43	3.42	3.43	3.50	3.54	3.59	3.70	3.78	3.83	3.88	3.93	3.97	4.02	4.07	4.12	4.17	-0.5%
East South Central	4.35	4.19	2.53	2.87	3.15	3.22	3.31	3.45	3.55	3.62	3.67	3.75	3.82	3.85	3.88	3.92	3.94	4.00	4.05	4.10	4.16	-0.2%
West South Central	4.29	4.09	2.46	2.80	2.99	3.05	3.05	3.05	3.10	3.12	3.16	3.24	3.31	3.35	3.38	3.41	3.44	3.50	3.56	3.61	3.67	-0.8%
Mountain	4.67	4.88	3.00	3.36	3.65	3.74	3.81	3.77	3.84	3.78	3.71	3.73	3.79	3.90	3.92	3.98	3.99	4.00	4.03	4.05	4.11	-0.6%
Pacific	4.95	5.02	2.90	3.19	3.35	3.42	3.49	3.50	3.53	3.55	3.59	3.65	3.72	3.78	3.81	3.84	3.86	3.88	3.91	3.94	3.99	-1.1%
Average	4.49	4.47	2.64	2.98	3.18	3.25	3.29	3.32	3.38	3.41	3.44	3.53	3.59	3.64	3.68	3.72	3.76	3.80	3.85	3.89	3.94	-0.6%
Transportation 3/																						
New England	9.68	9.96	7.61	7.83	7.98	8.08	8.11	8.18	8.23	8.25	8.28	8.31	8.30	8.31	8.33	8.35	8.36	8.38	8.40	8.41	8.43	-0.7%
Middle Atlantic	10.89	10.59	8.36	8.58	8.73	8.80	8.82	8.87	8.92	8.95	8.97	9.01	9.04	9.07	9.09	9.13	9.14	9.16	9.17	9.18	9.19	-0.8%
East North Central	7.97	8.11	5.91	6.19	6.34	6.40	6.44	6.49	6.57	6.62	6.69	6.77	6.83	6.88	6.91	6.96	6.99	7.02	7.04	7.06	7.09	-0.6%
West North Central	7.76	7.96	5.84	6.15	6.32	6.40	6.43	6.47	6.54	6.58	6.63	6.69	6.76	6.80	6.83	6.87	6.91	6.93	6.96	6.99	7.03	-0.5%
South Atlantic	8.38	8.52	6.44	6.77	6.93	6.98	7.00	7.04	7.12	7.18	7.23	7.32	7.37	7.40	7.43	7.47	7.49	7.53	7.57	7.59	7.63	-0.5%
East South Central	8.39	8.87	6.85	7.20	7.39	7.46	7.48	7.51	7.57	7.61	7.66	7.73	7.78	7.81	7.83	7.85	7.87	7.92	7.96	7.99	8.04	-0.2%
West South Central	6.10	6.12	4.06	4.35	4.54	4.64	4.71	4.80	4.92	5.01	5.11	5.22	5.32	5.38	5.43	5.48	5.53	5.60	5.65	5.70	5.76	-0.3%
Mountain	7.62	8.34	6.00	6.33	6.58	6.68	6.79	6.79	6.91	6.93	6.93	6.97	7.06	7.18	7.22	7.30	7.34	7.37	7.41	7.46	7.54	-0.1%
Pacific	7.53	8.27	5.84	6.15	6.39	6.51	6.64	6.67	6.77	6.79	6.80	6.83	6.92	7.02	7.05	7.12	7.15	7.16	7.18	7.20	7.25	-0.2%
Average	8.26	8.49	6.28	6.57	6.75	6.83	6.88	6.92	7.00	7.04	7.08	7.14	7.20	7.26	7.29	7.33	7.36	7.39	7.42	7.44	7.48	-0.5%
All Sectors 4/																						
New England	6.83	7.61	5.03	5.38	5.59	5.67	5.67	5.65	5.63	5.60	5.58	5.58	5.56	5.53	5.54	5.57	5.58	5.61	5.64	5.67	5.73	-0.9%
Middle Atlantic	6.89	7.85	5.24	5.44	5.60	5.64	5.63	5.63	5.65	5.62	5.60	5.60	5.62	5.63	5.65	5.67	5.69	5.72	5.75	5.78	5.83	-0.8%
East North Central	5.76	6.71	4.27	4.57	4.74	4.78	4.74	4.71	4.73	4.72	4.71	4.74	4.77	4.78	4.80	4.82	4.84	4.85	4.86	4.87	4.90	-0.8%
West North Central	5.95	6.75	4.45	4.77	4.96	5.02	5.01	5.02	5.03	5.02	5.01	5.05	5.08	5.10	5.11	5.13	5.16	5.17	5.20	5.24	5.29	-0.6%
South Atlantic	6.24	6.80	4.46	4.82	4.99	5.02	5.02	5.03	5.07	5.09	5.09	5.14	5.18	5.20	5.22	5.25	5.27	5.32	5.36	5.40	5.46	-0.7%
East South Central	5.26	6.01	3.82	4.18	4.37	4.41	4.37	4.33	4.35	4.34	4.35	4.40	4.43	4.44	4.44	4.45	4.46	4.51	4.55	4.60	4.65	-0.6%
West South Central	4.48	4.73	2.79	3.15	3.36	3.44	3.44	3.46	3.51	3.54	3.58	3.65	3.72	3.74	3.77	3.79	3.82	3.88	3.93	3.98	4.05	-0.5%
Mountain	5.31	6.48	4.22	4.55	4.78	4.86	4.90	4.85	4.97	4.97	4.95	4.95	5.04	5.14	5.16	5.23	5.27	5.29	5.34	5.41	5.50	0.2%
Pacific	5.61	6.32	4.10	4.41	4.58	4.64	4.65	4.62	4.62	4.60	4.58	4.60	4.64	4.70	4.71	4.75	4.76	4.76	4.78	4.80	4.84	-0.7%
Average	5.58	6.26	4.01	4.33	4.52	4.57	4.57	4.56	4.59	4.59	4.59	4.63	4.67	4.70	4.71	4.74	4.76	4.79	4.83	4.86	4.92	-0.6%

1/ Excludes lease and plant fuel and includes consumption by cogenerators.

2/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy.

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 may differ slightly from official EIA data reports due to internal conversion factors in the AEO2002 National Energy Modelling System.

Sources: 2000 residential and commercial sector values: Energy Information Administration (EIA), Natural Gas Monthly, DOE/EIA-0130(2001/06) (Washington, DC, June 2001). 2000 industrial natural gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1994. Other 2000 values and projections: EIA, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 97. Natural Gas Pipeline Capacity By Census Division (1 of 1)
(Design Capacity in Billions of Cubic Feet per Year)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Capacity Entering Region 1/																						
New England	1205	1263	1409	1463	1463	1468	1483	1498	1513	1528	1543	1579	1659	1739	1819	1899	1969	2019	2069	2119	2169	3.0%
Mid Atlantic	4528	4614	4842	4949	4949	4949	4949	4949	4949	4949	4949	4962	4975	4975	4982	4982	4982	4982	4982	4982	4982	0.5%
East North Central	8481	8860	8860	8860	8860	8860	8860	8860	8860	8860	8860	8860	8860	8917	9045	9159	9300	9412	9508	9568	9611	0.6%
West North Central	6204	6298	6488	6488	6488	6488	6488	6488	6488	6520	6619	6716	6800	6861	6935	6999	7066	7155	7251	7335	7415	0.9%
South Atlantic	5605	5678	5845	6088	6088	6088	6088	6096	6148	6182	6247	6293	6340	6391	6444	6496	6535	6571	6614	6644	6665	0.9%
East South Central	9134	9134	9162	9218	9218	9218	9218	9218	9218	9218	9218	9218	9218	9277	9434	9575	9720	9825	9949	10038	10118	0.5%
West South Central	1812	1833	1876	1901	1901	1903	1907	1913	1914	1917	1922	1926	1928	1928	1931	1932	1936	1941	1944	1946	1948	0.4%
Mountain	2482	2482	2482	2482	2482	2482	2482	2482	2482	2482	2482	2482	2482	2482	2482	2482	2482	2482	2482	2482	2482	N/A
Pacific	3864	3893	3992	3992	4001	4021	4065	4143	4239	4366	4478	4562	4641	4717	4786	4860	4943	5046	5156	5263	5347	1.6%
Total	43317	44057	44957	45442	45451	45478	45541	45648	45813	46024	46319	46600	46904	47288	47859	48385	48932	49434	49955	50377	50738	0.8%
United States (Pipeline Imports)	4899	5102	5641	5695	5695	5700	5715	5778	5804	5841	5885	5955	6076	6169	6281	6384	6479	6566	6645	6730	6783	1.6%
Capacity Exiting Region 2/																						
New England	104	104	131	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	184	2.9%
Mid Atlantic	2025	2060	2157	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	2210	0.4%
East North Central	3166	3342	3342	3342	3342	3342	3342	3342	3342	3342	3342	3342	3342	3342	3342	3342	3342	3342	3342	3342	3342	0.3%
West North Central	4835	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5214	5271	5398	5513	5653	5766	5862	5921	5965	1.1%
South Atlantic	3353	3353	3353	3353	3353	3353	3353	3353	3353	3353	3353	3353	3353	3353	3353	3353	3353	3353	3353	3353	3353	N/A
East South Central	7450	7523	7690	7933	7933	7933	7933	7940	7993	8027	8092	8138	8185	8236	8288	8340	8380	8416	8458	8489	8510	0.7%
West South Central	14263	14263	14323	14445	14445	14445	14445	14445	14445	14445	14445	14445	14445	14503	14661	14802	14946	15052	15176	15264	15345	0.4%
Mountain	4597	4663	4737	4762	4771	4793	4841	4877	4963	5103	5289	5454	5591	5715	5837	5952	6081	6241	6421	6578	6742	1.9%
Pacific	290	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	376	1.3%
Total	40083	40897	41323	41820	41829	41851	41899	41943	42081	42256	42506	42717	42901	43191	43651	44073	44526	44941	45382	45719	46027	0.7%
United States (Pipeline Exports)	1665	1942	2006	2072	2072	2072	2072	2072	2072	2072	2072	2072	2072	2072	2072	2072	2072	2072	2072	2072	2072	1.1%

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, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 98. Natural Gas Pipeline Capacity Utilization 1/ by Census Division (1 of 1)
(Fraction)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Utilization Entering Region																						
New England	0.52	0.58	0.54	0.54	0.55	0.56	0.56	0.58	0.60	0.61	0.62	0.62	0.60	0.59	0.58	0.56	0.55	0.54	0.54	0.53	0.52	0.0%
Mid Atlantic	0.68	0.61	0.60	0.62	0.63	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.69	0.70	0.70	0.71	0.71	0.72	0.72	0.72	0.73	0.3%
East North Central	0.59	0.59	0.62	0.64	0.64	0.64	0.65	0.65	0.66	0.67	0.68	0.69	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.71	0.71	0.9%
West North Central	0.63	0.60	0.59	0.61	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.0%
South Atlantic	0.66	0.64	0.61	0.58	0.57	0.57	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.59	0.60	0.60	0.61	0.61	0.61	0.62	0.62	-0.3%
East South Central	0.62	0.65	0.67	0.68	0.69	0.69	0.71	0.73	0.76	0.78	0.81	0.83	0.84	0.85	0.86	0.87	0.87	0.88	0.88	0.88	0.88	1.8%
West South Central	0.22	0.21	0.19	0.19	0.17	0.17	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.19	0.19	-0.7%
Mountain	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.5%
Pacific	0.68	0.76	0.66	0.69	0.72	0.74	0.78	0.79	0.81	0.81	0.81	0.82	0.82	0.83	0.83	0.83	0.83	0.82	0.82	0.81	0.81	0.9%
Average 2/	0.58	0.58	0.58	0.58	0.59	0.59	0.60	0.61	0.62	0.63	0.64	0.65	0.66	0.66	0.66	0.67	0.67	0.67	0.67	0.67	0.67	0.7%
United States (Pipeline Import)	0.83	0.82	0.75	0.79	0.83	0.85	0.87	0.88	0.89	0.89	0.90	0.90	0.90	0.90	0.89	0.89	0.88	0.88	0.87	0.86	0.86	0.2%
Utilization Exiting Region																						
New England	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	N/A
Mid Atlantic	0.29	0.31	0.30	0.29	0.29	0.29	0.29	0.30	0.31	0.31	0.32	0.32	0.31	0.30	0.29	0.28	0.28	0.27	0.26	0.26	0.25	-0.8%
East North Central	0.55	0.50	0.49	0.49	0.47	0.46	0.45	0.45	0.44	0.44	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	-1.2%
West North Central	0.58	0.56	0.58	0.60	0.60	0.59	0.60	0.60	0.61	0.61	0.63	0.64	0.66	0.66	0.65	0.65	0.65	0.65	0.65	0.65	0.66	0.6%
South Atlantic	0.60	0.54	0.53	0.53	0.53	0.53	0.53	0.54	0.55	0.56	0.57	0.57	0.57	0.58	0.58	0.59	0.59	0.60	0.60	0.60	0.60	0.0%
East South Central	0.67	0.68	0.69	0.68	0.69	0.69	0.69	0.70	0.71	0.72	0.73	0.74	0.74	0.74	0.75	0.76	0.76	0.77	0.77	0.77	0.77	0.7%
West South Central	0.50	0.52	0.53	0.54	0.55	0.55	0.57	0.59	0.60	0.62	0.64	0.65	0.66	0.67	0.67	0.68	0.68	0.69	0.69	0.68	0.68	1.5%
Mountain	0.51	0.54	0.49	0.51	0.51	0.51	0.53	0.54	0.56	0.57	0.58	0.59	0.60	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.63	1.1%
Pacific	0.09	0.03	0.04	0.05	0.07	0.08	0.10	0.13	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.17	0.16	0.16	0.16	0.15	0.14	2.3%
Average 2/	0.54	0.54	0.54	0.55	0.55	0.55	0.56	0.57	0.58	0.59	0.60	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.64	0.8%
United States (Pipeline Export)	0.41	0.38	0.41	0.44	0.46	0.48	0.51	0.54	0.58	0.58	0.59	0.60	0.60	0.60	0.60	0.60	0.60	0.59	0.59	0.57	0.56	1.5%

1/ Capacity utilization is defined as the annual throughput volume divided by the design capacity (Table 97).

2/ Weighted average utilization. Weights used are the regional pipeline capacity levels provided in Table 97.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 99. Domestic Coal Supply, Disposition, and Prices (1 of 1)
(Quantities in Million Short Tons; Prices in 2000 Dollars per Short Ton)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Sources of Supply																						
Distribution from																						
Appalachia 1/	383.6	393.5	385.6	380.7	379.4	378.3	392.7	392.2	388.3	388.4	384.5	380.4	380.2	380.5	377.6	374.8	376.5	374.8	366.9	365.2	362.9	-0.3%
Interior	166.4	150.5	143.4	143.8	140.3	157.1	165.1	164.4	164.9	158.4	158.3	144.3	143.5	143.7	145.9	146.1	141.8	142.5	144.3	141.7	143.1	-0.7%
Northern Great Plains	422.9	461.1	447.3	471.2	489.7	500.1	504.0	533.0	545.8	560.1	573.7	594.2	604.2	614.4	621.9	634.9	650.5	667.5	685.0	705.8	721.6	2.7%
Other West and Non-Contiguous	100.3	107.4	107.8	110.0	117.9	119.8	116.7	116.4	115.6	115.1	113.8	116.0	115.8	114.5	114.9	116.0	115.8	115.2	115.1	114.1	114.8	0.7%
Total Distribution																						
(excludes exports)	1073.2	1112.6	1084.1	1105.8	1127.3	1155.3	1178.5	1206.1	1214.6	1222.1	1230.3	1234.9	1243.7	1253.1	1260.4	1271.8	1284.6	1299.9	1311.3	1326.9	1342.4	1.1%
Imports	12.5	16.7	17.7	17.8	17.9	18.0	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.1	19.2	19.3	19.4	19.5	19.6	19.7	2.3%
Total Supply	1085.7	1129.3	1101.8	1123.6	1145.3	1173.4	1196.7	1224.4	1232.9	1240.6	1248.9	1253.6	1262.5	1272.1	1279.4	1291.0	1303.9	1319.3	1330.8	1346.5	1362.2	1.1%
Consumption																						
Residential/Commercial	4.9	4.6	4.8	4.9	5.0	5.1	5.1	5.2	5.3	5.4	5.5	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.7	5.7	5.7	0.8%
Industrial	82.2	78.3	76.0	77.8	78.8	79.6	79.9	80.3	80.3	80.6	80.8	81.6	82.1	82.5	82.5	83.0	83.7	84.3	85.0	85.6	86.1	0.2%
Coke Plants	29.3	26.4	26.7	26.4	26.1	25.8	25.5	25.2	25.0	24.5	24.1	23.6	23.2	22.8	22.3	21.9	21.5	21.1	20.8	20.4	20.0	-1.9%
Electric Generators	964.6	978.3	984.3	1016.9	1037.4	1065.4	1088.2	1115.8	1124.6	1132.7	1141.0	1145.2	1154.3	1164.1	1171.9	1183.3	1196.0	1211.3	1222.6	1238.1	1253.6	1.3%
Total Consumption	1081.0	1087.7	1091.8	1126.0	1147.3	1175.9	1198.8	1226.6	1235.1	1243.2	1251.3	1255.9	1265.1	1274.9	1282.4	1293.8	1306.8	1322.4	1334.0	1349.7	1365.5	1.2%
Discrepancy 2/	4.7	41.6	10.0	-2.4	-2.1	-2.5	-2.1	-2.2	-2.2	-2.7	-2.4	-2.3	-2.5	-2.9	-2.9	-2.9	-2.9	-3.1	-3.2	-3.2	-3.3	N/A
Delivered Prices																						
Industrial	31.86	30.52	30.02	29.62	29.45	29.19	29.02	28.80	28.56	28.27	28.11	28.02	27.80	27.58	27.43	27.21	27.06	26.82	26.57	26.34	26.14	-1.0%
Coke Plants	44.41	44.20	43.93	43.45	43.18	42.93	42.68	42.45	42.07	41.96	41.86	41.60	41.45	41.26	40.83	40.71	40.56	40.15	40.00	39.61	39.22	-0.6%
Electric Generators	24.36	24.23	23.40	23.22	23.17	22.69	22.19	21.85	21.54	21.26	21.02	21.00	20.78	20.54	20.37	20.15	20.00	19.72	19.44	19.21	19.00	-1.2%
Average Price 3/	25.42	25.17	24.37	24.14	24.06	23.58	23.08	22.74	22.42	22.13	21.89	21.84	21.62	21.37	21.18	20.95	20.79	20.51	20.22	19.97	19.75	-1.3%

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 stock changes.

3/ Weighted average excludes residential/commercial prices.

Appalachia: Pennsylvania, Ohio, Maryland, West Virginia, Virginia, Tennessee, Alabama, Mississippi, Eastern Kentucky.

Interior: Western Kentucky, Illinois, Indiana, Iowa, Missouri, Kansas, Oklahoma, Arkansas, Texas, Louisiana.

Northern Great Plains: North Dakota, Montana, Wyoming.

Other West and Non-Contiguous: Colorado, Utah, Arizona, New Mexico, Washington, Alaska.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 100. Coal Production and Minemouth Prices by Region (1 of 1)
(Production in Million Short Tons; Prices in 2000 Dollars per Short Ton)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Production																						
Appalachia 2/	429.92	438.98	432.60	426.73	424.55	423.71	438.10	437.79	434.04	434.26	427.64	426.55	425.87	422.01	419.30	416.71	418.64	417.10	409.48	408.11	405.92	-0.3%
Interior	143.95	150.58	143.49	143.91	140.41	157.19	165.20	164.44	164.90	158.46	158.29	144.26	143.50	143.71	145.92	146.09	141.85	142.51	144.28	141.67	143.14	0.0%
Northern Great Plains	408.89	466.28	452.33	475.86	493.96	504.36	508.14	537.13	549.84	564.17	577.73	598.21	608.16	618.36	625.94	638.93	654.54	671.57	689.21	710.05	725.85	2.9%
Other West and Non-Contiguous	101.46	112.06	112.95	115.85	124.41	126.16	123.05	122.91	122.15	121.77	120.50	122.79	122.71	121.47	121.93	123.14	122.97	122.44	122.45	121.53	122.29	0.9%
Appalachia 2/	429.92	438.98	432.60	426.73	424.55	423.71	438.10	437.79	434.04	434.26	427.64	426.55	425.87	422.01	419.30	416.71	418.64	417.10	409.48	408.11	405.92	-0.3%
Interior	143.95	150.58	143.49	143.91	140.41	157.19	165.20	164.44	164.90	158.46	158.29	144.26	143.50	143.71	145.92	146.09	141.85	142.51	144.28	141.67	143.14	0.0%
West	510.35	578.34	565.28	591.71	618.37	630.53	631.19	660.04	671.99	685.94	698.22	721.00	730.87	739.84	747.88	762.07	777.51	794.01	811.65	831.58	848.14	2.6%
East of Mississippi River	518.32	533.19	518.87	518.18	512.96	526.33	545.05	545.47	543.28	540.14	533.43	529.54	528.40	523.96	522.42	520.13	519.46	517.48	512.45	510.34	510.10	-0.1%
West of Mississippi River	565.90	634.72	622.50	644.17	670.38	685.10	689.44	716.80	727.66	738.52	750.73	762.27	771.84	781.60	790.68	804.75	818.54	836.14	852.97	871.01	887.10	2.3%
U.S. Total	1084.22	1167.90	1141.37	1162.35	1183.34	1211.43	1234.49	1262.28	1270.94	1278.66	1284.16	1291.81	1300.24	1305.56	1313.10	1324.87	1338.00	1353.62	1365.42	1381.36	1397.20	1.3%
Minemouth Prices																						
Appalachia	25.48	25.49	24.91	24.68	24.56	24.28	24.39	24.27	24.17	24.04	24.02	24.11	23.97	23.79	23.73	23.59	23.57	23.42	23.30	23.21	23.13	-0.5%
Interior	17.07	18.28	17.62	17.84	17.62	18.46	18.58	18.56	18.53	18.27	18.25	18.23	18.17	18.05	18.04	17.95	17.96	17.88	17.89	17.84	17.88	0.2%
Northern Great Plains	6.11	5.84	5.50	5.35	5.26	5.13	4.99	4.97	4.88	4.84	4.79	4.83	4.84	4.86	4.89	4.93	5.00	5.06	5.10	5.15	5.19	-0.8%
Other West and Non-Contiguous	19.03	19.32	19.04	18.73	19.01	18.87	18.68	18.56	18.42	18.33	18.22	18.24	18.16	18.08	17.96	17.94	17.94	17.82	17.80	17.74	17.63	-0.4%
Appalachia	25.48	25.49	24.91	24.68	24.56	24.28	24.39	24.27	24.17	24.04	24.02	24.11	23.97	23.79	23.73	23.59	23.57	23.42	23.30	23.21	23.13	-0.5%
Interior	17.07	18.28	17.62	17.84	17.62	18.46	18.58	18.56	18.53	18.27	18.25	18.23	18.17	18.05	18.04	17.95	17.96	17.88	17.89	17.84	17.88	0.2%
West	8.68	8.45	8.21	7.97	8.03	7.88	7.66	7.50	7.34	7.24	7.11	7.11	7.08	7.03	7.02	7.03	7.05	7.02	7.02	6.99	6.98	-1.1%
East of Mississippi River	24.55	24.72	24.17	23.98	23.85	23.71	23.82	23.72	23.61	23.45	23.42	23.46	23.33	23.15	23.09	22.95	22.95	22.82	22.68	22.59	22.52	-0.4%
West of Mississippi River	9.04	8.90	8.68	8.37	8.39	8.29	8.12	7.93	7.76	7.63	7.50	7.37	7.33	7.30	7.29	7.30	7.30	7.28	7.27	7.21	7.20	-1.1%
U.S. Total	16.45	16.12	15.72	15.33	15.10	14.99	15.06	14.76	14.54	14.31	14.11	13.97	13.83	13.66	13.58	13.44	13.38	13.22	13.05	12.89	12.79	-1.3%

1/ Coal Production Regions:

Appalachia: Pennsylvania, Ohio, Maryland, West Virginia, Virginia, Tennessee, Alabama, Mississippi, Eastern Kentucky.

Interior: Western Kentucky, Illinois, Indiana, Iowa, Missouri, Kansas, Oklahoma, Arkansas, Texas, Louisiana.

Northern Great Plains: North Dakota, Montana, Wyoming.

Other West and Non-Contiguous: Colorado, Utah, Arizona, New Mexico, Washington, Alaska.

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, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 101. Coal Production by Region and Type (1 of 2)
(Million Short Tons)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Northern Appalachia	149.14	159.01	157.14	150.36	148.71	162.88	183.86	180.82	178.40	181.01	178.53	165.58	166.47	168.90	169.85	169.37	171.32	173.15	171.76	169.85	169.66	0.6%
Medium Sulfur (Premium) 1/	9.51	10.59	11.42	10.97	10.22	9.82	9.94	9.69	9.64	9.42	9.23	8.94	8.89	8.82	8.75	8.47	8.28	8.20	7.90	7.75	7.43	-1.2%
Low Sulfur (Bituminous) 2/	2.38	1.98	1.75	2.21	2.57	2.76	3.23	3.60	3.77	3.90	3.76	4.22	4.21	4.13	3.84	3.63	3.50	3.19	2.87	2.66	2.43	0.1%
Medium Sulfur (Bituminous) 2/	71.02	82.07	76.65	82.23	86.85	89.06	96.71	98.40	98.59	99.74	98.43	87.86	88.80	89.67	91.25	91.03	92.59	94.69	94.56	93.43	93.93	1.4%
High Sulfur (Bituminous)	56.23	53.47	55.87	43.52	37.63	49.80	62.54	57.69	54.95	56.51	55.67	53.13	53.13	54.84	54.57	54.80	55.51	55.64	54.99	54.57	54.42	-0.2%
High Sulfur (Gob) 3/	10.00	10.89	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	11.44	0.7%
Central Appalachia	258.97	262.71	259.57	260.04	258.82	244.00	237.50	240.06	238.79	236.46	232.55	244.36	243.15	237.11	233.62	231.64	231.78	228.67	222.66	223.39	221.62	-0.8%
Medium Sulfur (Premium) 1/	47.37	40.84	41.58	41.60	41.93	42.28	42.11	42.33	42.35	42.40	42.43	42.57	42.47	42.40	42.33	42.48	42.56	42.54	42.74	42.80	42.68	-0.5%
Low Sulfur (Bituminous)	71.95	85.31	77.05	77.30	75.54	66.40	59.60	59.65	58.83	58.87	57.55	67.33	67.38	63.73	62.99	61.12	61.16	58.69	54.33	55.11	54.69	-1.4%
Medium Sulfur (Bituminous)	139.65	136.55	140.94	141.13	141.35	135.32	135.79	138.08	137.61	135.19	132.57	134.46	133.29	130.98	128.30	128.04	128.06	127.44	125.59	125.48	124.26	-0.6%
Southern Appalachia	21.81	17.26	15.89	16.33	17.02	16.82	16.74	16.91	16.85	16.79	16.57	16.61	16.25	16.00	15.83	15.71	15.54	15.28	15.05	14.88	14.63	-2.0%
Low Sulfur (Premium) 1/	4.83	4.26	4.41	4.38	4.35	4.36	4.36	4.37	4.38	4.38	4.38	4.23	3.96	3.76	3.64	3.61	3.47	3.35	3.31	3.23	3.11	-2.2%
Low Sulfur (Bituminous)	6.88	4.56	2.80	3.41	3.33	3.19	3.37	3.51	3.52	3.50	3.41	3.87	3.79	3.62	3.51	3.45	3.46	3.33	3.22	3.20	3.13	-3.9%
Medium Sulfur (Bituminous)	9.20	7.45	6.87	6.34	6.64	6.35	6.07	6.11	6.02	5.99	5.85	5.58	5.57	5.70	5.76	5.72	5.68	5.67	5.60	5.52	5.46	-2.6%
Medium Sulfur (Lignite)	0.90	1.00	1.81	2.20	2.71	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	2.93	2.93	2.93	6.1%
Eastern Interior	88.40	94.20	86.27	91.45	88.41	102.62	106.95	107.68	109.23	105.88	105.78	102.99	102.52	101.95	103.12	103.41	100.82	100.38	102.97	102.23	104.18	0.8%
Medium Sulfur (Bituminous)	27.62	31.93	29.04	30.02	28.01	27.78	26.76	26.73	26.49	26.04	25.83	25.12	25.10	24.98	25.54	25.54	24.53	25.25	25.63	25.93	26.41	-0.2%
High Sulfur (Bituminous)	60.78	62.27	57.24	61.43	60.40	74.85	80.19	80.95	82.74	79.84	79.95	77.87	77.42	76.97	77.58	77.87	76.29	75.13	77.33	76.31	77.77	1.2%
Western Interior High Sulfur (Bituminous)	2.35	2.32	2.17	2.20	2.23	2.24	2.24	2.25	2.25	2.24	2.24	2.23	2.24	2.24	2.21	2.22	2.23	2.23	2.24	2.25	2.26	-0.2%
Gulf	53.20	54.06	55.05	50.26	49.77	52.33	56.01	54.51	53.43	50.34	50.27	39.04	38.74	39.53	40.59	40.46	38.80	39.89	39.07	37.18	36.70	-1.8%
Medium Sulfur (Lignite)	33.36	32.77	31.78	30.18	28.53	30.02	32.56	30.22	28.24	27.40	26.52	20.60	20.41	20.84	20.98	20.73	19.78	20.12	19.60	18.65	18.33	-3.0%
High Sulfur (Lignite)	19.84	21.29	23.27	20.08	21.24	22.31	23.44	24.29	25.18	22.94	23.74	18.44	18.33	18.69	19.62	19.73	19.02	19.78	19.47	18.53	18.38	-0.4%
Dakota Medium Sulfur (Lignite)	31.27	31.95	31.84	32.25	32.57	32.84	33.04	33.28	33.47	33.73	33.97	32.80	31.54	32.95	33.35	33.56	33.19	33.87	33.53	33.26	33.51	0.3%
Powder/Green River	377.62	434.32	420.48	443.61	461.39	471.52	475.10	503.85	516.37	530.44	543.75	565.41	576.62	585.41	592.59	605.38	621.35	637.70	655.67	676.78	692.34	3.1%
Low Sulfur (Bituminous)	1.21	0.10	0.10	0.10	0.10	0.10	0.15	0.18	0.18	0.17	0.15	0.14	0.13	0.12	0.11	0.10	0.09	0.08	0.07	0.06	0.05	-14.8%
Low Sulfur (Sub-Bituminous)	345.80	404.86	396.07	419.59	438.20	448.16	448.07	476.30	489.28	503.87	517.97	539.79	552.12	563.25	571.26	583.60	600.95	615.64	631.35	649.66	665.24	3.3%
Medium Sulfur (Sub-Bituminous)	30.61	29.36	24.31	23.92	23.09	23.26	26.88	27.37	26.91	26.40	25.63	25.47	24.37	22.04	21.22	21.68	20.31	21.98	24.26	27.07	27.05	-0.6%
Rocky Mountain	56.28	69.27	71.26	74.13	82.52	84.27	81.15	81.01	80.04	79.68	78.43	80.74	81.16	80.43	81.05	82.42	82.42	82.05	82.22	81.45	82.35	1.9%
Low Sulfur (Bituminous)	46.64	59.19	61.70	65.30	74.25	76.74	74.25	74.42	73.54	73.60	72.97	75.84	76.63	75.89	76.68	78.20	78.08	77.94	78.04	77.26	78.17	2.6%
Low Sulfur (Sub-Bituminous)	9.64	10.08	9.55	8.83	8.27	7.53	6.90	6.60	6.50	6.08	5.45	4.89	4.53	4.54	4.37	4.22	4.34	4.11	4.18	4.19	4.18	-4.1%

Table 101. Coal Production by Region and Type (1 of 2)
(Million Short Tons)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Arizona/New Mexico	39.27	36.60	35.43	35.37	35.45	35.42	35.41	35.38	35.56	35.52	35.48	35.43	34.91	34.38	34.20	34.01	33.83	33.65	33.46	33.29	33.12	-0.8%
Low Sulfur (Bituminous)	19.22	18.28	16.34	16.40	16.36	16.32	16.28	16.24	16.19	16.15	16.11	16.06	16.03	15.98	15.95	15.90	15.86	15.82	15.78	15.74	15.71	-1.0%
Medium Sulfur (Sub-Bituminous)	20.05	18.32	19.09	18.98	19.09	19.10	19.13	19.14	19.36	19.36	19.37	19.37	18.89	18.40	18.26	18.11	17.97	17.82	17.68	17.55	17.41	-0.7%
Washington/Alaska																						
Medium Sulfur (Sub-Bituminous)	5.91	6.18	6.26	6.35	6.45	6.47	6.50	6.52	6.55	6.57	6.60	6.62	6.64	6.66	6.68	6.70	6.72	6.74	6.76	6.79	6.81	0.7%
Subtotals: All Regions																						
Premium Metallurgical 1/	61.71	55.69	57.41	56.95	56.49	56.45	56.42	56.39	56.37	56.20	56.04	55.73	55.33	54.98	54.72	54.56	54.31	54.08	53.95	53.78	53.22	-0.7%
Bituminous	515.13	545.49	528.53	531.58	535.26	550.91	567.18	567.79	564.70	561.74	554.50	553.72	553.72	548.83	548.28	547.61	547.03	545.10	540.26	537.51	538.71	0.2%
Sub-Bituminous	412.01	468.81	455.29	477.67	495.09	504.52	507.47	535.93	548.60	562.28	575.01	596.15	606.54	614.90	621.78	634.31	650.30	666.30	684.23	705.25	720.69	2.8%
Lignite	95.37	97.91	100.14	96.15	96.49	99.54	103.41	102.16	101.27	98.44	98.61	86.20	84.65	86.85	88.31	88.38	86.36	88.13	86.98	84.81	84.58	-0.6%
Low Sulfur	508.55	588.63	569.80	597.51	622.96	625.56	616.21	644.86	656.21	670.52	681.75	716.38	728.77	735.02	742.32	753.83	770.92	782.15	793.15	811.11	826.72	2.5%
Medium Sulfur	426.47	429.03	421.58	426.17	427.43	425.22	438.42	440.80	438.16	435.17	429.36	412.31	408.90	406.36	405.35	404.98	402.59	407.25	406.78	407.14	406.20	-0.2%
High Sulfur	149.20	150.24	149.99	138.67	132.94	160.64	179.85	176.62	176.57	172.97	173.04	163.12	162.56	164.18	165.42	166.06	164.49	164.22	165.48	163.10	164.27	0.5%
Underground	370.90	394.26	385.88	392.87	399.75	412.39	423.81	423.65	420.95	419.37	415.66	414.05	415.79	413.97	416.76	417.86	416.69	416.66	414.74	413.19	415.09	0.6%
Surface	713.32	773.64	755.49	769.47	783.58	799.04	810.68	838.62	849.99	859.28	868.50	877.76	884.45	891.58	896.33	907.01	921.30	936.96	950.68	968.16	982.10	1.6%
U.S. Total	1084.22	1167.90	1141.37	1162.34	1183.33	1211.42	1234.49	1262.27	1270.94	1278.66	1284.16	1291.81	1300.23	1305.55	1313.09	1324.87	1337.99	1353.62	1365.41	1381.35	1397.19	1.3%

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: Pennsylvania, Maryland, Ohio, Northern West Virginia (Pennsylvania anthracite is included under low and medium sulfur bituminous).

Central Appalachia: Southern West Virginia, Virginia, Eastern Kentucky.

Southern Appalachia: Alabama, Tennessee, Mississippi.

Eastern Interior: Illinois, Indiana, Western Kentucky.

Western Interior (Bituminous Only): Iowa, Missouri, Kansas, Oklahoma, Arkansas, Texas.

Gulf (Lignite Only): Texas, Louisiana, Arkansas.

Dakota: North Dakota, Eastern Montana (Lignite Only).

Powder/Green River: Wyoming, Montana (Sub-Bituminous and Bituminous).

Rocky Mountains: Colorado, Utah.

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, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 102. Coal Prices by Region and Type (1 of 2)
(2000 Dollars per Short Ton)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Northern Appalachia	23.89	23.95	23.43	23.14	23.17	23.51	24.21	23.91	23.73	23.65	23.62	23.19	23.08	23.11	23.11	22.96	22.90	22.83	22.70	22.57	22.52	-0.3%
Medium Sulfur (Premium) 1/	35.00	36.50	36.31	36.00	35.82	35.64	35.50	35.36	35.05	35.00	34.96	34.79	34.74	34.65	34.30	34.26	34.22	33.91	33.87	33.60	33.32	-0.2%
Low Sulfur (Bituminous) 2/	37.89	35.07	33.72	35.12	35.87	36.07	36.84	36.88	36.90	36.75	36.64	37.18	36.81	36.67	36.41	36.06	35.89	35.40	34.98	34.76	34.45	-0.5%
Medium Sulfur (Bituminous) 2/	23.27	23.77	22.94	23.29	23.57	23.69	24.11	24.02	23.91	23.82	23.82	23.10	22.98	23.06	23.14	23.01	22.97	22.98	22.89	22.76	22.77	-0.1%
High Sulfur (Bituminous)	24.16	23.39	23.08	21.42	20.77	22.35	23.83	23.01	22.63	22.55	22.56	22.30	22.21	22.23	22.26	22.12	22.12	22.05	21.93	21.86	21.83	-0.5%
High Sulfur (Gob) 3/	12.86	13.86	13.93	13.93	13.86	13.80	13.66	13.66	13.66	13.66	13.66	13.73	13.73	13.87	13.87	14.01	14.01	14.01	14.01	14.15	14.15	0.5%
Central Appalachia	25.62	26.07	25.55	25.32	25.10	24.51	24.25	24.26	24.20	24.04	24.02	24.45	24.33	24.04	23.96	23.83	23.85	23.67	23.55	23.50	23.43	-0.4%
Medium Sulfur (Premium) 1/	30.57	26.42	26.39	26.33	26.30	26.25	26.25	26.25	26.07	26.11	26.14	26.05	26.09	26.09	25.83	25.90	25.98	25.82	25.93	25.80	25.67	-0.9%
Low Sulfur (Bituminous)	25.11	28.81	27.48	27.20	26.58	25.54	24.80	24.72	24.73	24.64	24.63	25.78	25.59	25.05	24.91	24.71	24.71	24.41	24.20	24.19	24.07	-0.2%
Medium Sulfur (Bituminous)	24.21	24.24	24.24	23.99	23.95	23.46	23.39	23.45	23.40	23.13	23.07	23.28	23.14	22.90	22.88	22.73	22.73	22.60	22.46	22.42	22.37	-0.4%
Southern Appalachia	34.64	30.94	29.23	28.79	28.50	28.28	28.30	28.32	28.29	28.25	28.26	28.25	27.73	27.30	27.09	26.96	26.78	26.47	26.30	26.08	25.81	-1.5%
Low Sulfur (Premium) 1/	44.50	40.89	41.49	41.49	41.69	41.90	41.90	41.90	41.89	41.89	41.89	41.35	40.56	40.01	39.56	39.57	39.28	38.97	38.97	38.58	38.19	-0.8%
Low Sulfur (Bituminous)	36.62	31.36	27.55	29.26	29.25	28.98	29.54	29.70	29.63	29.49	29.44	30.62	30.39	29.78	29.59	29.31	29.24	28.84	28.53	28.44	28.24	-1.3%
Medium Sulfur (Bituminous)	30.23	27.88	26.99	26.08	26.52	26.26	25.88	25.82	25.70	25.60	25.58	25.24	25.10	25.24	25.35	25.18	25.11	25.03	24.87	24.71	24.60	-1.0%
Medium Sulfur (Lignite)	11.77	9.44	10.45	10.60	11.29	11.62	11.62	11.62	11.62	11.74	11.85	11.91	11.91	11.92	12.03	12.16	12.28	12.28	12.28	12.28	12.28	0.2%
Eastern Interior	20.05	21.13	20.46	20.67	20.47	21.38	21.53	21.49	21.41	21.02	21.00	20.79	20.67	20.51	20.50	20.37	20.38	20.31	20.21	20.12	20.11	0.0%
Medium Sulfur (Bituminous)	21.44	22.84	22.18	22.40	21.86	21.89	21.62	21.54	21.47	21.16	21.15	21.02	20.90	20.72	20.73	20.59	20.59	20.50	20.41	20.32	20.31	-0.3%
High Sulfur (Bituminous)	19.42	20.26	19.59	19.83	19.82	21.19	21.50	21.48	21.38	20.98	20.95	20.71	20.60	20.44	20.43	20.30	20.32	20.25	20.15	20.05	20.04	0.2%
Western Interior High Sulfur (Bituminous)	24.19	25.50	24.61	24.37	24.49	24.61	24.61	24.61	24.61	24.61	24.61	24.73	24.73	24.73	24.73	24.73	24.98	24.98	24.98	25.23	25.23	0.2%
Gulf	11.79	12.99	12.89	12.39	12.27	12.47	12.71	12.51	12.39	12.19	12.17	11.12	11.17	11.34	11.40	11.38	11.28	11.38	11.35	11.13	11.11	-0.3%
Medium Sulfur (Lignite)	12.13	14.00	13.75	13.34	13.03	13.26	13.58	13.22	12.94	12.84	12.72	11.61	11.65	11.77	11.83	11.80	11.70	11.78	11.73	11.52	11.48	-0.3%
High Sulfur (Lignite)	11.21	11.44	11.72	10.97	11.25	11.41	11.51	11.62	11.77	11.42	11.55	10.58	10.64	10.85	10.95	10.93	10.84	10.98	10.96	10.74	10.73	-0.2%
Dakota Medium Sulfur (Lignite)	8.03	8.18	7.98	7.90	7.78	7.75	7.67	7.67	7.67	7.67	7.61	7.50	7.31	7.41	7.43	7.43	7.43	7.46	7.45	7.39	7.39	-0.4%
Powder/Green River	5.95	5.67	5.32	5.16	5.08	4.95	4.80	4.79	4.70	4.67	4.61	4.67	4.71	4.72	4.74	4.79	4.87	4.93	4.98	5.04	5.08	-0.8%
Low Sulfur (Bituminous)	19.48	23.30	22.63	22.02	21.69	21.30	20.85	20.62	20.30	20.14	19.95	19.91	19.82	19.72	19.60	19.48	19.39	19.22	19.03	18.86	18.68	-0.2%
Low Sulfur (Sub-Bituminous)	5.67	5.54	5.21	5.06	4.98	4.84	4.67	4.67	4.58	4.55	4.50	4.57	4.62	4.65	4.67	4.72	4.82	4.86	4.91	4.96	5.01	-0.6%
Medium Sulfur (Sub-Bituminous)	8.60	7.41	6.97	6.90	6.87	6.88	6.95	6.88	6.78	6.74	6.67	6.68	6.65	6.52	6.52	6.59	6.53	6.68	6.80	6.85	6.77	-1.2%
Rocky Mountain	17.26	17.77	17.59	17.28	17.80	17.68	17.33	17.12	16.84	16.69	16.50	16.61	16.55	16.48	16.32	16.31	16.31	16.13	16.12	16.00	15.90	-0.4%
Low Sulfur (Bituminous)	16.75	17.29	17.20	17.03	17.70	17.67	17.36	17.15	16.87	16.74	16.58	16.74	16.69	16.62	16.45	16.44	16.44	16.26	16.24	16.13	16.02	-0.2%
Low Sulfur (Sub-Bituminous)	19.72	20.59	20.08	19.17	18.69	17.75	17.05	16.71	16.55	16.05	15.33	14.64	14.15	14.10	13.95	13.95	13.96	13.80	13.80	13.71	13.63	-1.8%
Arizona/New Mexico	20.51	20.83	20.50	20.29	20.39	20.29	20.29	20.29	20.41	20.41	20.41	20.31	20.19	20.07	20.07	20.07	20.07	20.07	20.07	20.07	19.96	-0.1%
Low Sulfur (Bituminous)	20.40	20.96	19.91	19.70	19.80	19.70	19.70	19.70	19.70	19.70	19.70	19.60	19.60	19.60	19.60	19.60	19.60	19.60	19.60	19.60	19.60	-0.2%
Medium Sulfur (Sub-Bituminous)	20.61	20.70	21.01	20.80	20.90	20.80	20.80	20.80	21.01	21.01	21.01	20.90	20.69	20.49	20.49	20.49	20.49	20.49	20.49	20.49	20.28	-0.1%

Table 102. Coal Prices by Region and Type (2 of 2)
(2000 Dollars per Short Ton)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Washington/Alaska																						
Medium Sulfur (Sub-Bituminous)	26.03	27.67	27.26	26.99	26.85	26.72	26.72	26.98	26.98	26.98	26.98	27.12	27.12	27.11	27.11	27.11	27.11	27.11	27.11	27.11	27.11	0.2%
Average by Type: All Regions																						
Premium Metallurgical 1/	32.34	29.44	29.52	29.36	29.21	29.09	29.09	29.03	28.84	28.83	28.83	28.61	28.52	28.41	28.10	28.10	28.09	27.87	27.90	27.69	27.47	-0.8%
Bituminous	22.99	23.56	22.92	22.69	22.59	22.47	22.61	22.49	22.37	22.19	22.13	22.18	22.05	21.88	21.82	21.66	21.67	21.54	21.39	21.31	21.24	-0.4%
Sub-Bituminous	7.24	6.86	6.58	6.33	6.20	6.02	5.85	5.78	5.67	5.61	5.52	5.53	5.52	5.50	5.51	5.53	5.59	5.62	5.66	5.69	5.71	-1.2%
Lignite	10.67	11.48	11.40	11.03	10.92	11.04	11.18	11.04	10.95	10.80	10.76	10.12	10.10	10.20	10.24	10.24	10.19	10.25	10.23	10.11	10.09	-0.3%
Low Sulfur	11.23	11.39	10.67	10.36	10.20	9.68	9.25	9.04	8.83	8.69	8.49	8.81	8.73	8.52	8.44	8.35	8.33	8.18	8.04	7.99	7.94	-1.7%
Medium Sulfur	21.53	21.35	21.27	21.22	21.24	21.01	20.96	20.96	20.92	20.80	20.77	20.67	20.65	20.59	20.58	20.47	20.55	20.41	20.28	20.12	20.06	-0.4%
High Sulfur	19.75	19.74	19.31	18.63	18.28	19.71	20.55	20.15	19.94	19.79	19.74	19.65	19.57	19.55	19.51	19.41	19.45	19.37	19.30	19.25	19.26	-0.1%
U.S. Average	16.45	16.12	15.72	15.33	15.10	14.99	15.06	14.76	14.54	14.31	14.11	13.97	13.83	13.66	13.58	13.44	13.38	13.22	13.05	12.89	12.79	-1.3%

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: Pennsylvania, Maryland, Ohio, Northern West Virginia (Pennsylvania anthracite is included under low and medium sulfur bituminous).

Central Appalachia: Southern West Virginia, Virginia, Eastern Kentucky.

Southern Appalachia: Alabama, Tennessee, Mississippi.

Eastern Interior: Illinois, Indiana, Western Kentucky.

Western Interior (Bituminous Only): Iowa, Missouri, Kansas, Oklahoma, Arkansas, Texas.

Gulf (Lignite Only): Texas, Louisiana, Arkansas.

Dakota: North Dakota, Eastern Montana (Lignite Only).

Powder/Green River: Wyoming, Montana (Sub-Bituminous and Bituminous).

Rocky Mountains: Colorado, Utah.

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, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 103. World Steam Coal Flows By Importing Regions and Exporting Countries 1,2/ (1 of 2)
(Million Short Tons)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Steam Coal Exports to Europe 3/																						
Australia	9.9	10.0	10.2	10.3	10.8	10.6	10.4	10.4	10.3	10.3	10.2	9.5	8.2	6.5	4.0	3.7	3.6	3.4	5.4	6.7	6.9	-1.8%
United States	3.9	3.8	4.2	4.3	4.4	5.5	5.8	6.5	7.4	7.6	4.9	8.0	7.8	3.7	3.9	4.1	4.3	4.5	4.7	5.0	5.1	1.4%
South Africa	53.0	53.3	53.3	53.4	53.2	53.3	53.0	52.2	50.6	48.9	50.6	46.0	47.0	47.9	48.8	47.0	46.6	46.8	46.6	46.4	46.1	-0.7%
Former U.S.S.R.	11.0	11.1	11.2	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	0.5%
Poland	13.2	12.8	12.4	12.0	11.6	11.2	10.6	10.0	9.3	8.7	8.0	7.8	7.5	7.3	7.0	6.7	6.5	6.2	6.0	5.8	5.5	-4.3%
Canada	5.3	5.5	5.8	6.0	6.3	6.5	5.7	4.9	4.9	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	-0.2%
China	0.0	0.0	0.3	0.7	1.1	1.5	1.4	1.4	1.3	1.3	1.2	1.6	1.9	2.2	2.5	2.8	2.9	3.0	3.1	3.3	3.4	N/A
South America	28.0	29.2	29.6	30.4	31.0	31.0	31.7	32.4	33.0	34.1	35.3	37.0	38.7	40.4	42.1	42.1	41.9	40.8	38.4	36.8	36.2	1.3%
Indonesia	11.2	10.8	10.5	10.1	9.7	9.4	9.3	9.2	9.1	9.1	9.0	7.9	5.7	8.3	6.9	7.7	7.5	7.7	7.4	7.1	6.8	-2.5%
Total	135.6	136.6	137.6	138.6	139.6	140.5	139.6	138.7	137.9	137.0	136.5	134.9	133.9	133.4	132.3	131.3	130.5	129.7	128.9	128.2	127.4	-0.3%
Steam Coal Exports to Asia																						
Australia	92.1	98.2	100.7	101.9	105.4	108.8	111.9	114.6	116.4	118.3	123.4	117.9	116.6	120.2	119.8	121.5	123.0	125.4	126.9	128.3	132.6	1.8%
United States	4.6	4.6	5.2	5.8	6.5	6.3	6.4	6.5	6.6	6.6	6.7	6.8	6.9	7.0	7.0	7.1	7.2	7.3	7.3	7.4	7.5	2.5%
South Africa	18.4	16.1	17.3	19.7	19.9	20.9	22.1	23.7	26.2	28.7	27.8	33.6	33.8	34.1	34.3	37.4	37.8	37.6	37.9	38.3	38.6	3.8%
Former U.S.S.R.	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	2.0%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	1.9	1.9	2.0	2.1	2.2	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	1.6	1.6	1.6	1.6	1.6	1.6	-1.0%
China	45.6	48.2	50.5	52.7	55.0	57.2	58.8	60.3	61.9	63.5	65.1	65.7	66.3	66.8	67.4	68.0	68.5	69.1	69.6	70.2	70.7	2.2%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia	42.6	45.5	48.3	51.2	54.0	56.8	58.4	59.9	61.5	63.0	64.5	66.8	70.3	68.9	71.6	72.0	73.0	73.6	74.8	75.9	74.1	2.8%
Total	208.0	217.3	226.8	236.2	245.7	255.1	262.8	270.5	278.3	286.0	293.7	297.2	300.6	303.9	307.4	310.8	314.5	318.1	321.7	325.3	328.9	2.3%
Steam Coal Export to America																						
Australia	0.4	1.0	0.5	0.6	0.6	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	0.7	0.7	2.8%
United States	16.9	16.0	15.6	14.3	13.1	12.1	11.3	10.5	9.5	9.1	8.8	8.6	8.3	8.2	8.0	7.9	7.8	7.7	7.6	7.5	7.3	-4.1%
South Africa	3.1	3.3	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.5	4.5	4.5	4.4	4.4	4.4	4.3	4.3	4.3	4.2	1.6%
Former U.S.S.R.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
South America	19.8	21.7	24.3	26.5	28.9	32.0	32.9	33.9	34.9	35.4	35.9	36.0	36.1	36.3	36.4	36.5	36.5	36.6	36.7	36.7	36.8	3.1%
Indonesia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	40.2	41.9	43.7	44.9	46.3	48.5	48.9	49.1	49.3	49.6	50.0	49.8	49.6	49.6	49.5	49.5	49.4	49.3	49.2	49.1	49.0	1.0%

Table 103. World Steam Coal Flows By Importing Regions and Exporting Countries 1,2/ (2 of 2)
(Million Short Tons)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Total Steam Coal Exports																						
Australia	102.7	109.2	111.4	112.8	116.7	120.0	123.0	125.7	127.4	129.2	134.3	128.1	125.5	127.4	124.4	125.9	127.2	129.5	133.0	135.7	140.2	1.6%
United States	25.4	24.4	25.0	24.4	24.0	23.9	23.5	23.5	23.4	23.4	20.4	23.3	23.0	18.8	19.0	19.1	19.3	19.4	19.6	19.8	20.0	-1.2%
South Africa	74.5	72.7	74.0	76.7	76.7	78.0	79.0	80.0	81.0	82.0	83.0	84.2	85.3	86.4	87.6	88.7	88.8	88.8	88.9	88.9	89.0	0.9%
Former U.S.S.R.	13.7	13.8	13.9	14.1	14.2	14.3	14.4	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.7	15.8	15.9	16.0	0.8%
Poland	13.2	12.8	12.4	12.0	11.6	11.2	10.6	10.0	9.3	8.7	8.0	7.8	7.5	7.3	7.0	6.7	6.5	6.2	6.0	5.8	5.5	-4.3%
Canada	7.2	7.5	7.8	8.2	8.5	8.8	8.2	7.6	7.8	8.1	8.4	8.6	8.7	8.9	9.1	6.6	6.6	6.6	6.6	6.6	6.6	-0.4%
China	45.6	48.2	50.8	53.4	56.0	58.6	60.2	61.7	63.3	64.8	66.4	67.2	68.1	69.0	69.9	70.8	71.4	72.1	72.8	73.4	74.1	2.5%
South America	47.8	50.9	53.9	56.9	59.9	62.9	64.6	66.3	67.9	69.6	71.2	73.0	74.8	76.6	78.4	78.6	78.5	77.4	75.1	73.5	73.0	2.1%
Indonesia	53.8	56.3	58.8	61.3	63.7	66.2	67.7	69.1	70.6	72.1	73.5	74.8	76.0	77.2	78.5	79.7	80.5	81.4	82.2	83.0	80.9	2.1%
Total	383.8	395.8	408.1	419.7	431.5	444.1	451.3	458.4	465.5	472.6	480.1	481.9	484.1	486.9	489.3	491.6	494.4	497.1	499.9	502.6	505.3	1.4%

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.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 104. World Metallurgical Coal Flows By Importing Regions and Exporting Countries 1,2/ (1 of 2)
(Million Short Tons)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Metallurgical Coal Exports to Europe 3/																						
Australia	16.2	25.5	25.0	29.6	34.0	34.5	34.5	34.4	34.3	34.3	34.2	34.7	35.1	35.4	36.2	36.1	36.1	36.0	35.9	35.9	35.8	4.0%
United States	18.4	16.2	17.3	17.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.4	16.1	15.8	15.6	15.5	15.4	15.3	15.3	15.3	15.2	-1.0%
South Africa	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.1	0.9	0.8	0.6	0.0	0.1	0.1	0.1	0.0	0.0	0.0	N/A
Former U.S.S.R.	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-0.8%
Poland	5.0	4.7	4.5	4.2	4.0	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.4	3.4	-1.9%
Canada	17.6	11.9	11.6	8.0	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.3	-6.9%
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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia	1.4	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	0.9	0.9	0.9	0.9	0.9	0.9	0.9	-2.5%
Total	61.8	62.3	62.4	62.7	63.0	63.2	63.1	63.0	62.9	62.7	62.6	62.5	62.4	62.2	62.1	62.0	61.8	61.6	61.4	61.2	61.0	-0.1%
Metallurgical Coal Exports to Asia																						
Australia	77.5	77.9	78.4	78.8	79.3	79.8	80.2	80.6	81.1	81.5	82.0	82.5	83.0	83.5	84.0	84.5	84.9	85.2	85.6	86.0	86.3	0.5%
United States	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5%
South Africa	6.1	6.1	6.1	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	6.1	6.2	6.3	6.9	6.7	6.7	6.6	6.7	6.7	6.6	0.4%
Former U.S.S.R.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	20.5	20.0	20.0	20.0	20.1	20.1	20.1	20.2	20.2	20.2	20.2	20.1	20.0	20.0	19.4	19.6	19.7	19.8	19.8	19.9	19.9	-0.1%
China	7.6	7.7	7.7	7.8	7.9	7.9	8.0	8.1	8.1	8.2	8.3	8.3	8.4	8.4	8.4	8.5	8.6	8.6	8.7	8.8	8.8	0.7%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia	3.5	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	0.8%
Total	116.3	116.8	117.4	117.9	118.5	119.0	119.6	120.1	120.7	121.2	121.7	122.4	123.0	123.6	124.2	124.8	125.3	125.8	126.3	126.8	127.3	0.5%
Metallurgical Coal Exports to America																						
Australia	6.6	6.7	6.8	7.0	7.1	7.2	7.3	7.5	7.7	7.8	8.0	8.2	8.5	8.7	11.1	11.4	11.6	11.8	12.0	12.2	12.4	3.2%
United States	13.2	13.6	13.9	14.0	14.2	14.4	14.7	14.9	15.1	15.3	15.5	15.8	16.2	16.5	16.8	17.1	17.3	17.5	17.7	17.9	18.1	1.6%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Former U.S.S.R.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	1.6	1.8	2.1	2.3	2.5	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	0.2%
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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	21.4	22.2	22.8	23.3	23.8	24.4	24.9	25.3	25.8	26.3	26.8	27.5	28.1	28.8	29.5	30.1	30.5	31.0	31.4	31.8	32.2	2.1%

Table 104. World Metallurgical Coal Flows By Importing Regions and Exporting Countries 1,2/ (2 of 2)
(Million Short Tons)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Total Metallurgical Coal Exports																						
Australia	100.2	110.2	110.2	115.4	120.4	121.5	122.0	122.5	123.1	123.6	124.1	125.4	126.5	127.6	131.3	132.1	132.6	133.1	133.5	134.0	134.5	1.5%
United States	32.7	30.9	32.3	32.1	32.0	32.2	32.5	32.7	33.0	33.2	33.5	33.6	33.6	33.6	33.8	34.0	34.1	34.2	34.5	34.7	34.8	0.3%
South Africa	7.5	7.5	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.1	7.1	7.0	7.0	6.9	6.9	6.8	6.8	6.7	6.7	6.7	6.6	-0.6%
Former U.S.S.R.	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-0.8%
Poland	5.0	4.7	4.5	4.2	4.0	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.4	3.4	-1.9%
Canada	39.7	33.7	33.7	30.3	27.2	27.4	27.5	27.7	27.8	27.9	28.1	27.9	28.0	28.0	25.3	25.5	25.6	25.7	25.7	25.8	25.9	-2.1%
China	7.6	7.7	7.7	7.8	7.9	7.9	8.0	8.1	8.1	8.2	8.3	8.3	8.4	8.4	8.4	8.5	8.6	8.6	8.7	8.8	8.8	0.7%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia	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	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	0.0%
Total	199.4	201.4	202.6	203.9	205.3	206.6	207.5	208.4	209.3	210.2	211.1	212.3	213.5	214.6	215.8	216.9	217.6	218.4	219.1	219.8	220.6	0.5%

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.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 105. World Total Coal Flows By Importing Regions and Exporting Countries 1,2/ (1 of 2)
(Million Short Tons)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Total Coal Exports to Europe 3/																						
Australia	26.1	35.5	35.1	39.9	44.8	45.1	44.9	44.8	44.7	44.5	44.4	44.1	43.3	41.9	40.2	39.8	39.6	39.4	41.4	42.6	42.7	2.5%
United States	22.3	20.0	21.6	21.2	21.0	22.0	22.4	23.1	24.0	24.2	21.5	24.4	23.9	19.5	19.5	19.6	19.7	19.8	20.0	20.2	20.3	-0.5%
South Africa	54.4	54.6	54.7	54.8	54.5	54.6	54.2	53.4	51.8	50.1	51.8	46.9	47.7	48.5	48.8	47.1	46.7	47.0	46.7	46.4	46.1	-0.8%
Former U.S.S.R.	12.8	12.9	13.0	13.1	13.2	13.2	13.3	13.4	13.5	13.6	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	0.3%
Poland	18.2	17.5	16.9	16.3	15.6	15.0	14.3	13.7	13.0	12.3	11.7	11.4	11.1	10.8	10.5	10.3	10.0	9.7	9.5	9.2	8.9	-3.5%
Canada	22.9	17.4	17.4	14.0	10.8	11.0	10.2	9.4	9.5	9.5	9.6	9.5	9.5	9.4	9.4	9.3	9.3	9.3	9.3	9.3	9.3	-4.4%
China	0.0	0.0	0.3	0.7	1.1	1.5	1.4	1.4	1.3	1.3	1.2	1.6	1.9	2.2	2.5	2.8	2.9	3.0	3.1	3.3	3.4	N/A
South America	28.0	29.2	29.6	30.4	31.0	31.0	31.7	32.4	33.0	34.1	35.3	37.0	38.7	40.4	42.1	42.1	41.9	40.8	38.4	36.8	36.2	1.3%
Indonesia	12.6	11.7	11.4	11.0	10.6	10.3	10.2	10.1	10.0	10.0	9.9	8.9	6.6	9.2	7.8	8.6	8.4	8.6	8.3	8.0	7.7	-2.5%
Total	197.4	198.9	200.0	201.3	202.6	203.7	202.7	201.7	200.8	199.7	199.1	197.4	196.2	195.7	194.5	193.3	192.3	191.3	190.4	189.4	188.4	-0.2%
Total Coal Exports to Asia																						
Australia	169.6	176.1	179.1	180.8	184.7	188.6	192.1	195.2	197.5	199.8	205.4	200.4	199.6	203.7	203.8	206.0	207.9	210.7	212.5	214.3	218.9	1.3%
United States	5.7	5.7	6.3	7.0	7.7	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.3	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	2.3%
South Africa	24.5	22.2	23.3	25.8	25.9	26.9	28.1	29.7	32.1	34.6	33.7	39.7	40.0	40.3	41.2	44.1	44.5	44.3	44.6	45.0	45.2	3.1%
Former U.S.S.R.	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.9	2.0%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	22.4	21.9	22.1	22.2	22.3	22.4	22.7	22.9	23.1	23.3	23.5	23.5	23.7	23.9	23.5	21.2	21.3	21.4	21.4	21.4	21.5	-0.2%
China	53.2	55.9	58.3	60.6	62.8	65.1	66.8	68.4	70.1	71.7	73.4	74.0	74.6	75.2	75.8	76.5	77.1	77.7	78.3	78.9	79.5	2.0%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia	46.1	49.5	52.4	55.2	58.1	60.9	62.4	64.0	65.5	67.0	68.6	70.9	74.4	73.0	75.6	76.1	77.1	77.7	78.8	80.0	78.2	2.7%
Total	324.3	334.2	344.2	354.2	364.2	374.1	382.4	390.6	398.9	407.2	415.4	419.5	423.6	427.5	431.6	435.7	439.8	443.9	448.0	452.2	456.2	1.7%
Total Coal Exports to America																						
Australia	7.0	7.7	7.3	7.5	7.7	7.8	8.0	8.2	8.3	8.5	8.7	8.9	9.2	9.4	11.8	12.1	12.3	12.5	12.7	12.9	13.1	3.2%
United States	30.1	29.6	29.4	28.3	27.3	26.5	26.0	25.4	24.6	24.4	24.3	24.4	24.4	24.6	24.8	25.0	25.1	25.2	25.3	25.4	25.5	-0.8%
South Africa	3.1	3.3	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.5	4.5	4.5	4.4	4.4	4.4	4.3	4.3	4.3	4.2	1.6%
Former U.S.S.R.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	1.6	1.8	2.1	2.3	2.5	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	0.2%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
South America	19.8	21.7	24.3	26.5	28.9	32.0	32.9	33.9	34.9	35.4	35.9	36.0	36.1	36.3	36.4	36.5	36.5	36.6	36.7	36.7	36.8	3.1%
Indonesia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	61.6	64.1	66.5	68.2	70.1	72.9	73.7	74.5	75.1	75.9	76.7	77.2	77.7	78.4	79.0	79.6	80.0	80.3	80.6	80.9	81.3	1.4%

Table 105. World Total Coal Flows By Importing Regions and Exporting Countries 1,2/ (2 of 2)
(Million Short Tons)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Total Coal Exports																						
Australia	202.9	219.3	221.6	228.2	237.1	241.5	245.0	248.2	250.5	252.8	258.4	253.4	252.0	255.0	255.7	258.0	259.8	262.6	266.6	269.8	274.8	1.5%
United States	58.1	55.3	57.3	56.5	56.0	56.1	56.0	56.2	56.4	56.6	53.9	56.9	56.6	52.5	52.7	53.1	53.4	53.7	54.1	54.5	54.8	-0.3%
South Africa	82.0	80.1	81.4	84.1	84.0	85.3	86.3	87.2	88.2	89.1	90.1	91.2	92.3	93.4	94.5	95.6	95.6	95.6	95.6	95.6	95.6	0.8%
Former U.S.S.R.	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.2	16.3	16.4	16.5	16.6	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	0.6%
Poland	18.2	17.5	16.9	16.3	15.6	15.0	14.3	13.7	13.0	12.3	11.7	11.4	11.1	10.8	10.5	10.3	10.0	9.7	9.5	9.2	8.9	-3.5%
Canada	46.9	41.2	41.5	38.5	35.6	36.2	35.7	35.2	35.6	36.0	36.4	36.5	36.7	36.9	34.5	32.1	32.2	32.3	32.3	32.4	32.5	-1.8%
China	53.2	55.9	58.6	61.2	63.9	66.6	68.2	69.8	71.4	73.0	74.6	75.6	76.5	77.4	78.3	79.3	80.0	80.7	81.4	82.2	82.9	2.2%
South America	47.8	50.9	53.9	56.9	59.9	62.9	64.6	66.3	67.9	69.6	71.2	73.0	74.8	76.6	78.4	78.6	78.5	77.4	75.1	73.5	73.0	2.1%
Indonesia	58.8	61.3	63.7	66.2	68.7	71.2	72.6	74.1	75.5	77.0	78.5	79.7	81.0	82.2	83.4	84.7	85.5	86.3	87.1	88.0	85.9	1.9%
Total	583.2	597.2	610.6	623.7	636.8	650.8	658.8	666.8	674.8	682.8	691.2	694.2	697.6	701.6	705.0	708.6	712.0	715.5	719.0	722.5	725.9	1.1%

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.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 106. Indicators of Macroeconomic Activity (1 of 1)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Real Output, National (billion 1992 dollars)																						
Total Industrial	5061.6	4969.4	5102.7	5315.2	5489.9	5676.8	5829.7	6001.5	6173.9	6360.9	6584.5	6798.2	6978.5	7170.0	7352.1	7535.0	7705.7	7892.2	8095.1	8285.1	8447.4	2.6%
Total Manufacturing	4022.4	3916.7	4053.6	4234.5	4386.3	4549.8	4696.3	4857.7	5009.8	5174.4	5373.5	5569.6	5734.3	5900.6	6056.1	6210.3	6362.1	6529.3	6703.1	6865.9	7003.0	2.8%
Coal Mining	29.1	31.2	30.5	31.0	31.5	32.2	32.8	33.4	33.6	33.8	33.8	34.0	34.1	34.1	34.3	34.5	34.8	35.1	35.3	35.6	36.0	1.1%
Oil and Gas Extraction	107.4	107.8	109.1	110.9	110.9	110.8	112.3	114.0	115.5	116.8	118.8	121.2	123.2	126.3	129.2	132.2	135.0	137.1	138.8	139.2	140.5	1.3%
Refining	152.6	151.5	155.9	154.3	157.6	160.8	162.6	165.9	167.5	169.5	171.5	173.2	174.4	175.7	177.0	177.9	178.4	178.9	179.6	180.4	181.1	0.9%
Paper	154.5	155.1	159.5	164.0	167.6	172.2	176.4	180.6	179.3	181.4	183.6	188.3	192.0	195.1	198.0	200.8	204.1	207.1	209.8	212.2	214.3	1.6%
Chemicals	356.2	353.9	368.4	375.4	381.5	392.8	404.4	417.8	428.8	442.1	459.3	476.1	486.7	496.4	505.4	516.7	531.7	545.1	559.4	574.2	586.7	2.5%
Stone, Clay, and Glass	81.2	82.1	83.8	84.2	85.7	86.3	88.0	89.4	90.5	92.0	91.2	92.9	93.5	94.3	94.9	95.9	97.1	98.5	99.7	100.8	101.7	1.1%
Primary Metals	182.2	174.6	180.3	186.8	189.6	192.6	196.7	200.0	202.9	205.9	210.1	214.2	216.2	218.2	220.0	221.4	222.9	224.7	226.6	227.9	228.5	1.1%
Basic Steel	70.4	68.0	69.8	72.2	72.8	73.8	74.7	75.6	76.4	77.2	78.7	79.7	80.3	80.8	81.5	82.2	82.7	83.4	84.0	84.4	84.6	0.9%
Primary Aluminum	36.1	33.7	35.0	36.3	37.1	38.0	39.3	40.2	41.0	41.6	42.4	43.4	43.9	44.2	44.4	44.6	44.9	45.1	45.6	45.8	45.9	1.2%
Fabricated Metals	221.8	222.5	229.0	238.2	243.4	248.9	253.7	258.6	263.0	266.8	273.4	278.9	283.1	286.9	290.9	295.4	298.8	302.5	306.8	310.8	313.9	1.8%
Industrial Machinery	392.5	383.6	405.4	440.1	469.1	488.9	511.0	534.2	558.7	584.8	615.8	643.6	664.7	689.5	707.6	721.2	732.8	746.2	761.7	777.4	786.5	3.5%
Electrical Machinery	557.5	489.1	524.8	577.1	630.5	681.9	736.9	794.6	857.1	923.2	1000.2	1080.7	1155.5	1232.1	1307.3	1384.0	1464.1	1550.0	1640.0	1728.0	1807.1	6.1%
Transportation Equipment	501.0	484.9	495.4	527.4	545.2	573.7	598.6	616.8	631.8	640.9	655.1	665.9	676.3	684.9	693.9	703.6	709.6	720.4	734.6	746.9	753.4	2.1%
Real Disposable Income by Census																						
Division (billion 1996 dollars)																						
New England	383	394	401	413	422	432	440	448	459	472	484	498	512	525	538	551	566	579	593	607	618	2.4%
Middle Atlantic	1027	1060	1081	1115	1142	1169	1190	1211	1242	1275	1307	1342	1378	1412	1446	1479	1515	1548	1580	1614	1641	2.4%
East North Central	1043	1073	1089	1120	1145	1172	1191	1213	1243	1278	1311	1348	1385	1420	1455	1491	1529	1566	1601	1638	1668	2.4%
West North Central	422	435	442	456	467	479	488	498	512	527	541	557	573	588	604	620	637	654	670	687	701	2.6%
South Atlantic	1174	1220	1253	1303	1347	1393	1433	1476	1530	1590	1650	1713	1778	1843	1908	1975	2045	2115	2183	2256	2321	3.5%
East South Central	331	342	348	359	369	379	386	394	405	417	429	443	456	469	482	496	511	525	538	553	565	2.7%
West South Central	655	680	698	726	749	773	793	814	842	873	904	937	971	1004	1037	1070	1105	1139	1172	1207	1238	3.2%
Mountain	383	401	415	435	454	473	490	508	531	556	580	607	634	662	690	719	749	779	810	842	871	4.2%
Pacific	1122	1166	1196	1242	1281	1322	1356	1390	1436	1486	1535	1588	1642	1694	1748	1801	1858	1914	1968	2025	2074	3.1%
United States	6539	6772	6924	7169	7376	7593	7767	7952	8200	8474	8742	9033	9329	9616	9908	10202	10515	10820	11114	11427	11698	3.0%
Non-Agricultural Employment by																						
Census Division (millions)																						
New England	6.9	6.9	6.9	7.0	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.6	0.5%
Middle Atlantic	18.0	18.0	18.0	18.2	18.3	18.5	18.7	18.8	18.9	19.0	19.1	19.2	19.2	19.2	19.2	19.1	19.2	19.2	19.1	19.1	19.0	0.3%
East North Central	21.8	21.7	21.6	21.8	22.0	22.2	22.4	22.5	22.7	22.8	23.0	23.1	23.1	23.1	23.2	23.2	23.3	23.4	23.4	23.4	23.4	0.4%
West North Central	9.8	9.7	9.7	9.8	9.9	10.1	10.2	10.3	10.3	10.4	10.5	10.6	10.6	10.6	10.6	10.7	10.7	10.8	10.8	10.8	10.8	0.5%
South Atlantic	24.4	24.6	24.7	25.1	25.6	26.1	26.6	27.0	27.4	27.8	28.2	28.7	28.9	29.2	29.5	29.8	30.1	30.4	30.7	30.9	31.1	1.2%
East South Central	7.6	7.6	7.6	7.6	7.7	7.8	7.9	8.0	8.0	8.1	8.2	8.2	8.3	8.3	8.3	8.4	8.4	8.4	8.5	8.5	8.5	0.6%
West South Central	13.9	13.9	14.0	14.2	14.5	14.8	15.0	15.3	15.5	15.7	15.9	16.1	16.3	16.4	16.5	16.7	16.8	17.0	17.1	17.2	17.4	1.1%
Mountain	8.4	8.5	8.7	8.9	9.1	9.4	9.6	9.8	10.1	10.3	10.5	10.7	10.9	11.1	11.2	11.4	11.6	11.8	12.0	12.1	12.3	1.9%
Pacific	19.4	19.5	19.7	20.0	20.4	20.8	21.2	21.5	21.8	22.1	22.4	22.7	22.9	23.0	23.2	23.4	23.6	23.9	24.1	24.2	24.4	1.2%
United States	130.1	130.5	130.7	132.7	134.8	136.9	138.8	140.5	142.0	143.5	145.2	146.8	147.6	148.4	149.3	150.2	151.3	152.4	153.2	153.9	154.5	0.9%

Note: Totals may not equal sum of components due to independent rounding.

Source: 2000: DRI-WEFA, Simulation CTL0901. Projections: Energy Information Administration, AEO2002 National Energy Modeling System run aeo2002.d102001b.

Table 107. Imported Petroleum by Source (1 of 2)
(Million Barrels per Day)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Crude Oil																						
Canada	1.34	1.24	1.26	1.24	1.26	1.29	1.31	1.32	1.33	1.34	1.35	1.35	1.36	1.34	1.34	1.33	1.32	1.32	1.33	1.33	1.33	0.0%
Mexico	1.31	1.33	1.40	1.38	1.39	1.41	1.43	1.45	1.46	1.47	1.47	1.48	1.48	1.47	1.47	1.45	1.45	1.45	1.46	1.48	1.50	0.7%
North Sea	0.60	0.51	0.53	0.49	0.52	0.55	0.57	0.58	0.60	0.60	0.61	0.62	0.62	0.59	0.57	0.55	0.53	0.52	0.52	0.51	0.49	-1.0%
OPEC	4.56	4.44	4.79	4.80	5.13	5.39	5.49	5.61	5.74	5.85	5.91	6.00	6.03	6.03	6.00	5.97	5.92	5.90	5.94	6.08	6.16	1.5%
Latin America	1.22	1.28	1.41	1.43	1.54	1.61	1.63	1.65	1.67	1.69	1.70	1.72	1.73	1.74	1.75	1.76	1.74	1.74	1.76	1.81	1.84	2.1%
North Africa	0.01	0.03	0.04	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.11	0.11	0.10	0.10	0.09	0.09	0.09	0.08	0.08	0.08	11.0%
West Africa	0.88	0.72	0.74	0.73	0.75	0.79	0.80	0.83	0.87	0.87	0.88	0.89	0.89	0.88	0.86	0.85	0.84	0.83	0.84	0.87	0.88	0.0%
Indonesia	0.04	0.08	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.07	0.06	0.06	0.05	0.05	0.05	0.05	1.1%
Persian Gulf	2.41	2.33	2.51	2.51	2.69	2.83	2.89	2.95	3.01	3.09	3.12	3.18	3.21	3.22	3.22	3.21	3.19	3.19	3.21	3.27	3.31	1.6%
Other Middle East	0.03	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-5.3%
Other Latin America	0.58	0.56	0.62	0.59	0.65	0.67	0.67	0.68	0.67	0.67	0.67	0.67	0.66	0.64	0.62	0.60	0.58	0.58	0.58	0.58	0.58	0.0%
Other Africa	0.50	0.78	0.79	0.77	0.82	0.87	0.88	0.90	0.91	0.92	0.93	0.95	0.95	0.94	0.92	0.91	0.90	0.90	0.91	0.93	0.95	3.3%
Other Asia	0.15	0.19	0.19	0.18	0.19	0.22	0.23	0.23	0.24	0.25	0.26	0.27	0.27	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.24	2.4%
Light Refined Products 1/																						
Canada	0.39	0.30	0.27	0.33	0.32	0.29	0.30	0.31	0.32	0.34	0.36	0.40	0.41	0.42	0.42	0.44	0.45	0.47	0.49	0.52	0.53	1.5%
Northern Europe	0.11	0.14	0.12	0.16	0.16	0.16	0.16	0.17	0.18	0.18	0.18	0.17	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.21	0.21	3.3%
Southern Europe	0.06	0.06	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.0%
OPEC	0.26	0.35	0.33	0.46	0.48	0.49	0.50	0.55	0.63	0.71	0.78	0.94	1.05	1.13	1.21	1.29	1.40	1.49	1.60	1.73	1.84	10.3%
Latin America	0.19	0.22	0.21	0.26	0.27	0.27	0.28	0.30	0.34	0.38	0.42	0.47	0.51	0.56	0.62	0.66	0.71	0.75	0.80	0.86	0.91	8.1%
North Africa	0.02	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	6.5%
West Africa	0.01	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	5.6%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0%
Persian Gulf	0.03	0.05	0.04	0.10	0.11	0.12	0.12	0.14	0.17	0.21	0.25	0.36	0.43	0.47	0.49	0.53	0.59	0.64	0.70	0.77	0.82	18.0%
Caribbean Basin	0.33	0.33	0.28	0.35	0.36	0.36	0.36	0.38	0.41	0.45	0.50	0.61	0.69	0.75	0.81	0.85	0.92	0.99	1.05	1.11	1.16	6.5%
Asian Exporters	0.12	0.11	0.11	0.13	0.12	0.12	0.12	0.13	0.15	0.17	0.17	0.17	0.18	0.19	0.19	0.19	0.21	0.23	0.25	0.26	0.26	3.9%
Other	0.07	0.10	0.10	0.12	0.13	0.13	0.13	0.13	0.13	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.18	0.19	0.20	0.20	0.21	5.6%

Table 107. Imported Petroleum by Source (2 of 2)
(Million Barrels per Day)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2000-2020
Heavy Refined Products 2/																						
Canada	0.07	0.07	0.07	0.08	0.09	0.09	0.10	0.09	0.09	0.10	0.10	0.10	0.09	0.10	0.10	0.10	0.10	0.09	0.09	0.08	0.08	0.7%
Northern Europe	0.14	0.06	0.06	0.07	0.08	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.07	0.06	0.05	0.05	0.05	0.05	-5.0%
Southern Europe	0.05	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	-7.7%
OPEC	0.41	0.38	0.34	0.47	0.46	0.48	0.52	0.44	0.48	0.51	0.55	0.52	0.54	0.57	0.58	0.62	0.64	0.67	0.67	0.69	0.70	2.7%
Latin America	0.13	0.14	0.14	0.17	0.17	0.18	0.20	0.18	0.19	0.20	0.22	0.20	0.20	0.21	0.22	0.24	0.24	0.26	0.26	0.26	0.26	3.5%
North Africa	0.20	0.13	0.10	0.14	0.13	0.13	0.13	0.11	0.12	0.12	0.11	0.11	0.11	0.11	0.10	0.10	0.09	0.09	0.09	0.09	0.09	-3.9%
West Africa	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-3.4%
Indonesia	0.01	0.03	0.02	0.03	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0%
Persian Gulf	0.05	0.07	0.07	0.12	0.13	0.14	0.16	0.13	0.14	0.16	0.19	0.19	0.21	0.23	0.24	0.26	0.29	0.30	0.30	0.32	0.33	9.9%
Caribbean Basin	0.21	0.12	0.12	0.15	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.17	0.19	0.21	0.22	0.25	0.28	0.29	0.30	0.31	0.32	2.1%
Asian Exporters	0.09	0.06	0.05	0.06	0.05	0.05	0.06	0.04	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-5.3%
Other	0.08	0.05	0.04	0.05	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-4.8%

1/ Includes gasoline, distillate, jet fuel, and liquefied petroleum gases.

2/ Includes residual fuel oil and other refined products.

OPEC = Organization of Petroleum Exporting Countries - Algeria, Gabon, 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, AEO2002 National Energy Modeling System run aeo2002.d102001b.