

Table 1. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 01 - New England																								1997- 2020		
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Energy Consumption																										
Residential																										
Distillate Fuel	0.290	0.267	0.275	0.269	0.265	0.262	0.258	0.256	0.251	0.249	0.246	0.246	0.243	0.242	0.240	0.238	0.235	0.233	0.230	0.229	0.226	0.224	0.222	0.220	-1.2%	
Kerosene	0.012	0.012	0.010	0.010	0.009	0.009	0.009	0.008	0.008	0.008	0.008	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.006	0.006	0.006	0.006	0.006	0.006	-3.1%	
Liquefied Petroleum Gas	0.025	0.025	0.025	0.025	0.024	0.024	0.023	0.023	0.022	0.021	0.021	0.020	0.020	0.019	0.019	0.018	0.018	0.018	0.018	0.018	0.017	0.017	0.017	0.017	-1.7%	
Petroleum Subtotal	0.327	0.304	0.310	0.303	0.298	0.294	0.290	0.286	0.281	0.277	0.274	0.273	0.270	0.268	0.265	0.263	0.259	0.257	0.254	0.252	0.249	0.247	0.245	0.242	-1.3%	
Natural Gas	0.198	0.182	0.199	0.202	0.204	0.207	0.210	0.214	0.217	0.220	0.224	0.229	0.233	0.237	0.240	0.244	0.246	0.249	0.252	0.254	0.255	0.257	0.259	0.262	1.2%	
Coal	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-0.4%	
Renewable Energy 1/ Electricity	0.065	0.059	0.063	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.065	0.065	0.065	0.066	0.066	0.067	0.067	0.067	0.068	0.068	0.068	0.068	0.069	0.069	0.070	0.3%
Delivered Energy	0.733	0.693	0.724	0.725	0.725	0.726	0.724	0.726	0.723	0.724	0.725	0.730	0.731	0.733	0.736	0.740	0.740	0.743	0.743	0.747	0.746	0.748	0.750	0.753	0.1%	
Electricity Related Losses	0.290	0.280	0.293	0.291	0.294	0.286	0.276	0.265	0.254	0.243	0.234	0.225	0.218	0.216	0.218	0.219	0.220	0.223	0.227	0.233	0.238	0.242	0.248	0.255	-0.6%	
Total	1.022	0.973	1.017	1.015	1.019	1.012	1.001	0.991	0.977	0.966	0.959	0.955	0.949	0.950	0.954	0.959	0.960	0.965	0.970	0.980	0.984	0.990	0.998	1.008	-0.1%	
Commercial																										
Distillate Fuel	0.087	0.065	0.066	0.065	0.065	0.064	0.062	0.061	0.060	0.059	0.058	0.057	0.057	0.056	0.056	0.055	0.054	0.054	0.053	0.053	0.052	0.052	0.052	0.051	-2.3%	
Residual Fuel	0.024	0.020	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	0.021	0.021	0.021	0.021	0.021	0.021	-0.6%	
Kerosene	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	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-0.4%	
Liquefied Petroleum Gas	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.3%	
Motor Gasoline 2/ Petroleum Subtotal	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002	-0.3%	
Natural Gas	0.160	0.152	0.167	0.168	0.169	0.169	0.170	0.171	0.172	0.174	0.175	0.176	0.177	0.179	0.180	0.181	0.182	0.183	0.183	0.183	0.183	0.183	0.184	0.183	0.6%	
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	0.001	0.001	0.001	0.4%	
Renewable Energy 3/ Electricity	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A	
Delivered Energy	0.433	0.405	0.422	0.428	0.429	0.432	0.433	0.434	0.436	0.438	0.440	0.444	0.448	0.450	0.454	0.455	0.457	0.459	0.459	0.459	0.459	0.459	0.458	0.458	0.2%	
Electricity Related Losses	0.311	0.301	0.312	0.309	0.310	0.302	0.294	0.284	0.275	0.265	0.258	0.250	0.245	0.246	0.248	0.248	0.249	0.252	0.255	0.260	0.264	0.267	0.271	0.275	-0.5%	
Total	0.745	0.706	0.734	0.737	0.739	0.734	0.727	0.718	0.710	0.702	0.698	0.694	0.693	0.697	0.701	0.703	0.706	0.710	0.714	0.719	0.723	0.726	0.730	0.733	-0.1%	
Industrial 4/																										
Distillate Fuel	0.026	0.025	0.026	0.026	0.026	0.027	0.027	0.028	0.028	0.029	0.029	0.029	0.030	0.030	0.030	0.031	0.031	0.031	0.031	0.032	0.032	0.032	0.032	0.032	1.0%	
Liquefied Petroleum Gas	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.7%	
Petrochemical Feedstocks	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.4%	
Residual Fuel	0.056	0.060	0.059	0.063	0.064	0.065	0.066	0.067	0.069	0.070	0.070	0.071	0.072	0.073	0.073	0.074	0.073	0.074	0.076	0.075	0.076	0.076	0.076	0.077	1.4%	
Motor Gasoline 2/	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	0.007	0.007	0.007	0.007	0.007	1.3%	
Other Petroleum 5/ Petroleum Subtotal	0.069	0.067	0.067	0.069	0.069	0.071	0.072	0.073	0.075	0.076	0.077	0.077	0.078	0.079	0.079	0.079	0.079	0.079	0.080	0.080	0.080	0.081	0.081	0.081	0.7%	
Natural Gas 6/	0.178	0.179	0.180	0.186	0.187	0.191	0.193	0.196	0.200	0.202	0.204	0.206	0.209	0.211	0.213	0.213	0.213	0.215	0.218	0.218	0.219	0.220	0.221	0.222	1.0%	
Metallurgical Coal	0.130	0.133	0.136	0.135	0.135	0.135	0.136	0.136	0.136	0.137	0.138	0.139	0.140	0.141	0.141	0.142	0.143	0.143	0.144	0.144	0.145	0.146	0.146	0.146	0.5%	
Steam 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	0.000	0.000	0.000	N/A	
Net Coal Coke Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A	
Coal Subtotal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	N/A	
Renewable Energy 7/ Electricity	0.123	0.124	0.125	0.127	0.128	0.130	0.132	0.133	0.135	0.137	0.139	0.141	0.143	0.144	0.146	0.147	0.148	0.150	0.151	0.152	0.153	0.154	0.155	0.156	1.0%	
Delivered Energy	0.090	0.091	0.091	0.090	0.091	0.092	0.092	0.093	0.095	0.096	0.098	0.099	0.100	0.101	0.101	0.102	0.102	0.103	0.104	0.104	0.105	0.106	0.106	0.106	0.7%	
Electricity Related Losses	0.521	0.526	0.531	0.537	0.542	0.549	0.553	0.557	0.566	0.573	0.579	0.585	0.592	0.598	0.601	0.604	0.607	0.611	0.617	0.619	0.623	0.626	0.629	0.631	0.8%	
Total	0.184	0.174	0.176	0.169	0.170	0.165	0.160	0.154	0.150	0.146	0.143	0.137	0.134	0.134	0.134	0.135	0.135	0.137	0.140	0.142	0.145	0.147	0.150	0.152	-0.8%	
Total	0.705	0.700	0.707	0.706	0.712	0.713	0.713	0.711	0.716	0.719	0.722	0.722	0.726	0.732	0.735	0.739	0.742	0.748	0.757	0.761	0.768	0.773	0.779	0.783	0.5%	

Table 1. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 01 - New England																								1997- 2020	
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Transportation																									
Distillate Fuel 8/	0.143	0.153	0.155	0.157	0.160	0.162	0.164	0.165	0.167	0.169	0.171	0.172	0.174	0.175	0.176	0.177	0.178	0.180	0.181	0.182	0.183	0.184	0.185	0.186	1.2%
Jet Fuel 9/	0.065	0.065	0.067	0.074	0.076	0.077	0.079	0.081	0.083	0.086	0.088	0.091	0.093	0.095	0.097	0.098	0.100	0.101	0.103	0.105	0.106	0.108	0.109	0.111	2.3%
Motor Gasoline 2/	0.711	0.726	0.736	0.757	0.770	0.782	0.792	0.801	0.810	0.819	0.828	0.835	0.842	0.849	0.851	0.852	0.854	0.856	0.859	0.860	0.863	0.865	0.868	0.870	0.9%
Residual Fuel	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	1.6%
Liquefied Petroleum Gas	0.002	0.002	0.002	0.002	0.003	0.003	0.004	0.005	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.010	0.010	0.010	8.4%
Other Petroleum 10/	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	0.012	0.012	0.012	0.012	0.5%
Petroleum Subtotal	0.933	0.959	0.973	1.004	1.022	1.038	1.053	1.065	1.080	1.094	1.107	1.119	1.130	1.141	1.146	1.151	1.155	1.161	1.167	1.171	1.177	1.182	1.187	1.191	1.1%
Pipeline Fuel Natural Gas	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	2.1%
Compressed Natural Gas	0.001	0.001	0.002	0.003	0.004	0.006	0.007	0.008	0.009	0.010	0.011	0.012	0.013	0.014	0.014	0.015	0.016	0.016	0.017	0.017	0.017	0.018	0.018	0.018	14.4%
Renewables (E85) 11/	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	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	23.5%
M85 12/	0.000	0.000	0.001	0.001	0.001	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	21.4%
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	0.000	0.000	0.000	N/A
Electricity	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.009	0.009	0.009	0.009	0.010	0.010	0.010	5.6%
Delivered Energy	0.942	0.968	0.984	1.016	1.037	1.055	1.072	1.087	1.104	1.120	1.136	1.149	1.162	1.175	1.181	1.187	1.193	1.200	1.207	1.212	1.219	1.225	1.231	1.236	1.2%
Electricity Related Losses	0.006	0.006	0.006	0.006	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	0.012	0.012	0.013	0.014	0.014	0.015	4.0%
Total	0.948	0.974	0.989	1.022	1.043	1.060	1.079	1.094	1.112	1.129	1.144	1.158	1.172	1.185	1.192	1.198	1.204	1.211	1.219	1.225	1.232	1.238	1.245	1.250	1.2%
Delivered Energy Consumption All Sectors																									
Distillate Fuel	0.545	0.510	0.521	0.518	0.516	0.514	0.511	0.509	0.506	0.505	0.504	0.505	0.504	0.504	0.502	0.500	0.498	0.498	0.496	0.496	0.493	0.492	0.491	0.489	-0.5%
Kerosene	0.017	0.017	0.014	0.014	0.014	0.014	0.013	0.013	0.013	0.013	0.012	0.012	0.012	0.012	0.012	0.012	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	-2.0%
Jet Fuel 9/	0.065	0.065	0.067	0.074	0.076	0.077	0.079	0.081	0.083	0.086	0.088	0.091	0.093	0.095	0.097	0.098	0.100	0.101	0.103	0.105	0.106	0.108	0.109	0.111	2.3%
Liquefied Petroleum Gas	0.037	0.037	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.039	0.039	0.039	0.039	0.039	0.039	0.2%
Motor Gasoline 2/	0.719	0.734	0.744	0.765	0.778	0.790	0.801	0.809	0.819	0.828	0.837	0.844	0.851	0.858	0.860	0.861	0.863	0.865	0.868	0.869	0.872	0.875	0.877	0.879	0.9%
Petrochemical Feedstocks	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.4%
Residual Fuel	0.082	0.082	0.080	0.084	0.085	0.087	0.088	0.089	0.092	0.092	0.093	0.095	0.096	0.097	0.097	0.097	0.097	0.099	0.099	0.099	0.100	0.100	0.100	0.100	0.9%
Other Petroleum 13/	0.077	0.075	0.076	0.078	0.078	0.080	0.081	0.082	0.084	0.085	0.086	0.086	0.087	0.088	0.088	0.088	0.088	0.089	0.089	0.089	0.090	0.090	0.090	0.091	0.7%
Petroleum Subtotal	1.559	1.536	1.556	1.587	1.601	1.616	1.627	1.638	1.650	1.662	1.673	1.685	1.696	1.707	1.710	1.712	1.713	1.718	1.723	1.725	1.728	1.731	1.735	1.737	0.5%
Natural Gas 6/	0.492	0.473	0.509	0.513	0.518	0.523	0.528	0.535	0.540	0.547	0.555	0.563	0.570	0.577	0.582	0.589	0.593	0.598	0.602	0.606	0.608	0.611	0.614	0.617	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	0.000	0.000	0.000	N/A
Steam 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	0.002	0.002	0.002	-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	0.000	0.000	0.000	N/A
Coal Subtotal	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-0.2%
Renewable Energy 14/	0.188	0.184	0.188	0.191	0.193	0.195	0.196	0.198	0.201	0.203	0.206	0.208	0.211	0.213	0.214	0.216	0.218	0.220	0.222	0.223	0.225	0.226	0.228	0.229	0.9%
M85 12/	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	21.4%
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	0.000	0.000	0.000	N/A
Electricity	0.387	0.398	0.405	0.412	0.418	0.424	0.426	0.429	0.433	0.437	0.441	0.447	0.451	0.455	0.460	0.463	0.466	0.469	0.473	0.476	0.478	0.481	0.484	0.487	1.0%
Delivered Energy	2.629	2.593	2.661	2.706	2.733	2.761	2.781	2.805	2.829	2.855	2.880	2.909	2.933	2.957	2.972	2.987	2.997	3.012	3.026	3.037	3.046	3.057	3.068	3.077	0.7%
Electricity Related Losses	0.791	0.759	0.786	0.774	0.779	0.759	0.738	0.710	0.687	0.661	0.644	0.620	0.606	0.607	0.610	0.612	0.615	0.623	0.633	0.646	0.661	0.670	0.684	0.696	-0.6%
Total	3.419	3.352	3.447	3.480	3.512	3.520	3.519	3.515	3.516	3.516	3.524	3.529	3.540	3.564	3.582	3.598	3.611	3.635	3.659	3.684	3.707	3.728	3.751	3.773	0.4%

Table 1. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 01 - New England																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Electric Generators 15/																										
Distillate Fuel	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.002	0.002	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-2.2%	
Residual Fuel	0.226	0.221	0.282	0.261	0.272	0.217	0.196	0.130	0.077	0.055	0.027	0.015	0.007	0.005	0.003	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.004	-16.0%
Petroleum Subtotal	0.230	0.224	0.286	0.264	0.275	0.221	0.199	0.133	0.080	0.058	0.030	0.017	0.009	0.007	0.005	0.006	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.006	-14.4%
Natural Gas	0.218	0.198	0.220	0.232	0.308	0.343	0.388	0.431	0.469	0.519	0.538	0.557	0.566	0.581	0.580	0.600	0.612	0.614	0.618	0.620	0.625	0.627	0.632	0.637	4.8%	
Steam Coal	0.193	0.188	0.192	0.191	0.193	0.192	0.192	0.190	0.184	0.182	0.176	0.151	0.138	0.127	0.132	0.136	0.138	0.139	0.143	0.148	0.150	0.152	0.152	0.154	-1.0%	
Nuclear Power	0.370	0.355	0.302	0.306	0.309	0.312	0.269	0.270	0.272	0.221	0.221	0.221	0.220	0.220	0.220	0.195	0.182	0.182	0.182	0.182	0.182	0.182	0.182	0.182	0.182	-3.0%
Renewable Energy 16/	0.066	0.084	0.083	0.086	0.088	0.090	0.091	0.091	0.092	0.094	0.096	0.098	0.100	0.102	0.108	0.114	0.120	0.127	0.133	0.141	0.151	0.160	0.170	0.180	4.5%	
Electricity Imports 17/	0.102	0.108	0.107	0.107	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	0.024	0.024	0.024	0.024	0.024	-6.1%
Total	1.178	1.157	1.191	1.186	1.197	1.182	1.163	1.139	1.120	1.098	1.085	1.067	1.058	1.062	1.070	1.075	1.081	1.092	1.106	1.122	1.139	1.152	1.168	1.183	0.0%	
Total Energy Consumption																										
Distillate Fuel	0.549	0.514	0.525	0.521	0.519	0.518	0.515	0.513	0.509	0.509	0.507	0.507	0.506	0.505	0.504	0.502	0.500	0.500	0.498	0.498	0.495	0.494	0.493	0.491	-0.5%	
Kerosene	0.017	0.017	0.014	0.014	0.014	0.014	0.013	0.013	0.013	0.013	0.012	0.012	0.012	0.012	0.012	0.012	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	-2.0%
Jet Fuel 9/	0.065	0.065	0.067	0.074	0.076	0.077	0.079	0.081	0.083	0.086	0.088	0.091	0.093	0.095	0.097	0.098	0.100	0.101	0.103	0.105	0.106	0.108	0.109	0.111	2.3%	
Liquefied Petroleum Gas	0.037	0.037	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.038	0.039	0.039	0.039	0.039	0.039	0.039	0.039	0.2%
Motor Gasoline 2/	0.719	0.734	0.744	0.765	0.778	0.790	0.801	0.809	0.819	0.828	0.837	0.844	0.851	0.858	0.860	0.861	0.863	0.865	0.868	0.869	0.872	0.875	0.877	0.879	0.9%	
Petrochemical Feedstocks	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.4%
Residual Fuel	0.308	0.302	0.362	0.345	0.357	0.304	0.284	0.219	0.169	0.147	0.119	0.108	0.102	0.101	0.100	0.101	0.100	0.101	0.103	0.103	0.104	0.104	0.105	0.104	0.104	-4.6%
Other Petroleum 13/	0.077	0.075	0.076	0.078	0.078	0.080	0.081	0.082	0.084	0.085	0.086	0.086	0.087	0.088	0.088	0.088	0.088	0.089	0.089	0.090	0.090	0.090	0.090	0.091	0.091	0.7%
Petroleum Subtotal	1.789	1.760	1.843	1.851	1.876	1.837	1.826	1.771	1.730	1.720	1.703	1.702	1.705	1.714	1.715	1.718	1.718	1.723	1.729	1.732	1.734	1.738	1.742	1.743	-0.1%	
Natural Gas	0.710	0.671	0.730	0.745	0.825	0.866	0.916	0.965	1.009	1.067	1.093	1.120	1.136	1.158	1.162	1.188	1.205	1.212	1.220	1.226	1.233	1.238	1.246	1.254	2.5%	
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	0.000	0.000	0.000	N/A	
Steam Coal	0.195	0.190	0.195	0.193	0.195	0.194	0.195	0.192	0.186	0.184	0.178	0.153	0.141	0.129	0.134	0.138	0.140	0.141	0.145	0.150	0.152	0.154	0.154	0.156	-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	0.000	0.000	0.000	0.000	N/A
Coal Subtotal	0.195	0.190	0.195	0.193	0.195	0.194	0.195	0.192	0.186	0.184	0.178	0.153	0.141	0.129	0.134	0.138	0.140	0.141	0.145	0.150	0.152	0.154	0.154	0.156	-1.0%	
Nuclear Power	0.370	0.355	0.302	0.306	0.309	0.312	0.269	0.270	0.272	0.221	0.221	0.221	0.220	0.220	0.220	0.195	0.182	0.182	0.182	0.182	0.182	0.182	0.182	0.182	0.182	-3.0%
Renewable Energy 18/	0.254	0.268	0.271	0.277	0.281	0.285	0.287	0.290	0.293	0.297	0.302	0.306	0.310	0.315	0.323	0.330	0.338	0.347	0.355	0.365	0.376	0.386	0.398	0.409	2.1%	
M85 12/	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.005	0.005	21.4%
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	0.000	0.000	0.000	0.000	N/A
Electricity Imports 17/	0.102	0.108	0.107	0.107	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	0.024	0.024	0.024	0.024	0.024	-6.1%
Total	3.419	3.352	3.447	3.480	3.512	3.520	3.519	3.515	3.516	3.516	3.524	3.529	3.540	3.563	3.582	3.598	3.611	3.635	3.659	3.684	3.707	3.728	3.751	3.773	0.4%	
Energy Use & Related Statistics																										
Delivered Energy Use	2.629	2.593	2.661	2.706	2.733	2.761	2.781	2.805	2.829	2.855	2.880	2.909	2.933	2.957	2.972	2.987	2.997	3.012	3.026	3.037	3.046	3.057	3.068	3.077	0.7%	
Total Energy Use	3.419	3.352	3.447	3.480	3.512	3.520	3.519	3.515	3.516	3.516	3.524	3.529	3.540	3.564	3.582	3.598	3.611	3.635	3.659	3.684	3.707	3.728	3.751	3.773	0.4%	
Population (millions)	13.399	13.460	13.523	13.587	13.654	13.718	13.773	13.823	13.875	13.928	13.982	14.039	14.097	14.155	14.213	14.270	14.328	14.386	14.445	14.504	14.563	14.621	14.679	14.734	0.4%	
US GDP (billion 1992 dollars)	7270	7516	7636	7830	7996	8173	8362	8549	8769	8991	9219	9443	9666	9896	10070	10249	10417	10599	10800	10976	11149	11324	11507	11680	2.1%	
Total Carbon Emissions (million metric tons)	1480	1506	1552	1585	1613	1630	1646	1659	1678	1703	1725	1750	1771	1790	1811	1828	1847	1867	1890	1907	1927	1944	1959	1975	1.3%	

Table 1. Energy Consumption by Sector and Source (01 - New England) Notes

1/ Includes wood used for residential heating. See Table 18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water 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 18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.

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 for cogeneration, both for sale to the grid and for own use.

8/ Low sulfur diesel fuel.

9/ Includes naphtha and kerosene type.

10/ Includes aviation gas and lubricants.

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

12/ M85 is 85 percent methanol and 15 percent motor gasoline.

13/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.

14/ 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 and solar thermal hot water heaters.

15/ 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.

16/ 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.

17/ In 1997 approximately two-thirds of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions.

18/ 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 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. Figures for 1997 may differ from published data due to internal conversion factors. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.

Sources: 1997 electric utility fuel consumption: Energy Information Administration (EIA), Electric Power Annual 1997, Volume 1, DOE/EIA-0348(97)/1 (Washington, DC, July 1998). 1997 nonutility consumption estimates: Form EIA-867, "Annual Nonutility Power Producer Report." Other 1997 values: EIA Short-Term Energy Outlook, September 1998. Online <http://www.eia.doe.gov/emeu/steo/pub/upd/sep98/contents.html> (October 15, 1998). Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 02 - Middle Atlantic																								1997- 2020	
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Energy Consumption																									
Residential																									
Distillate Fuel	0.363	0.335	0.344	0.336	0.330	0.325	0.319	0.315	0.308	0.304	0.300	0.298	0.294	0.291	0.288	0.286	0.283	0.281	0.277	0.275	0.272	0.269	0.267	0.264	-1.4%
Kerosene	0.026	0.026	0.021	0.021	0.020	0.020	0.019	0.019	0.018	0.017	0.017	0.016	0.016	0.016	0.015	0.015	0.015	0.015	0.015	0.014	0.014	0.014	0.014	0.014	-2.6%
Liquefied Petroleum Gas	0.035	0.034	0.035	0.036	0.036	0.037	0.037	0.037	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.035	0.035	0.035	0.034	0.034	0.034	0.033	0.033	0.033	-0.3%
Petroleum Subtotal	0.424	0.395	0.400	0.393	0.386	0.381	0.375	0.370	0.363	0.358	0.353	0.350	0.346	0.342	0.339	0.336	0.332	0.330	0.326	0.324	0.319	0.316	0.314	0.311	-1.3%
Natural Gas	0.894	0.825	0.901	0.894	0.883	0.876	0.870	0.866	0.857	0.851	0.847	0.846	0.840	0.836	0.839	0.845	0.846	0.849	0.849	0.850	0.846	0.846	0.845	0.846	-0.2%
Coal	0.019	0.020	0.020	0.020	0.020	0.019	0.019	0.019	0.019	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	0.017	-0.7%
Renewable Energy 1/ Electricity	0.095	0.085	0.093	0.093	0.092	0.092	0.092	0.092	0.091	0.091	0.090	0.091	0.090	0.090	0.090	0.090	0.090	0.090	0.089	0.089	0.089	0.089	0.089	0.089	-0.3%
Delivered Energy	1.813	1.718	1.818	1.820	1.815	1.810	1.802	1.799	1.787	1.781	1.776	1.779	1.770	1.766	1.772	1.783	1.784	1.788	1.789	1.795	1.790	1.791	1.795	1.801	-0.0%
Electricity Related Losses	0.807	0.759	0.788	0.833	0.869	0.880	0.879	0.878	0.880	0.875	0.863	0.878	0.879	0.872	0.876	0.886	0.888	0.876	0.892	0.901	0.915	0.908	0.909	0.913	0.5%
Total	2.620	2.477	2.607	2.653	2.684	2.690	2.681	2.677	2.667	2.656	2.639	2.658	2.649	2.638	2.647	2.669	2.672	2.665	2.681	2.696	2.705	2.699	2.704	2.715	0.2%
Commercial																									
Distillate Fuel	0.154	0.115	0.117	0.116	0.114	0.111	0.108	0.106	0.103	0.101	0.099	0.098	0.096	0.095	0.094	0.093	0.092	0.091	0.089	0.088	0.086	0.085	0.084	0.082	-2.7%
Residual Fuel	0.078	0.066	0.061	0.062	0.062	0.063	0.063	0.063	0.063	0.063	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.063	0.063	-0.9%
Kerosene	0.013	0.013	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	0.011	0.011	0.011	0.011	0.011	-0.6%
Liquefied Petroleum Gas	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.006	0.006	0.006	0.006	0.006	0.001
Motor Gasoline 2/ Petroleum Subtotal	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	-0.3%
Natural Gas	0.574	0.548	0.601	0.605	0.608	0.611	0.614	0.618	0.621	0.624	0.627	0.631	0.634	0.637	0.640	0.643	0.645	0.646	0.647	0.646	0.645	0.644	0.643	0.641	0.5%
Coal	0.017	0.017	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.018	0.018	0.4%
Renewable Energy 3/ Electricity	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Delivered Energy	1.309	1.248	1.306	1.318	1.324	1.330	1.335	1.340	1.346	1.351	1.357	1.366	1.372	1.377	1.383	1.388	1.393	1.395	1.396	1.393	1.391	1.387	1.387	1.383	0.2%
Electricity Related Losses	0.986	0.927	0.953	0.985	1.005	1.012	1.008	1.000	0.992	0.977	0.990	0.993	0.985	0.982	0.986	0.986	0.986	0.967	0.977	0.972	0.982	0.963	0.956	0.947	-0.2%
Total	2.295	2.175	2.259	2.303	2.329	2.343	2.343	2.341	2.349	2.343	2.334	2.356	2.365	2.362	2.365	2.374	2.379	2.362	2.373	2.366	2.373	2.351	2.342	2.330	0.1%
Industrial 4/																									
Distillate Fuel	0.054	0.053	0.054	0.054	0.054	0.055	0.056	0.057	0.058	0.059	0.060	0.061	0.061	0.062	0.063	0.063	0.063	0.064	0.065	0.065	0.065	0.066	0.066	0.067	0.9%
Liquefied Petroleum Gas	0.017	0.016	0.017	0.017	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	0.018	0.019	0.019	0.019	0.019	0.019	0.019	0.5%
Petrochemical Feedstocks	0.148	0.146	0.148	0.148	0.149	0.148	0.146	0.143	0.142	0.144	0.146	0.147	0.148	0.150	0.151	0.152	0.153	0.155	0.156	0.157	0.159	0.160	0.161	0.162	0.4%
Residual Fuel	0.038	0.038	0.041	0.043	0.043	0.044	0.045	0.045	0.046	0.047	0.047	0.048	0.049	0.050	0.050	0.050	0.051	0.052	0.051	0.051	0.052	0.052	0.052	0.052	1.4%
Motor Gasoline 2/	0.014	0.014	0.014	0.014	0.014	0.015	0.015	0.015	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	0.019	0.019	1.3%
Other Petroleum 5/ Petroleum Subtotal	0.462	0.456	0.460	0.564	0.560	0.566	0.573	0.578	0.583	0.588	0.589	0.609	0.606	0.617	0.619	0.618	0.617	0.610	0.613	0.599	0.594	0.593	0.590	0.590	1.1%
Natural Gas 6/	0.758	0.773	0.795	0.771	0.788	0.797	0.797	0.796	0.802	0.809	0.819	0.814	0.825	0.829	0.834	0.844	0.850	0.863	0.870	0.883	0.886	0.893	0.899	0.902	0.8%
Metallurgical Coal	0.293	0.284	0.293	0.288	0.282	0.277	0.271	0.266	0.261	0.257	0.252	0.248	0.243	0.239	0.235	0.231	0.226	0.222	0.219	0.215	0.211	0.207	0.203	0.200	-1.6%
Steam Coal	0.106	0.106	0.108	0.104	0.104	0.104	0.104	0.104	0.104	0.105	0.106	0.106	0.107	0.108	0.108	0.108	0.108	0.109	0.109	0.109	0.110	0.110	0.110	0.111	0.2%
Net Coal Coke Imports	0.001	0.004	0.004	0.004	0.005	0.006	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010	11.3%
Coal Subtotal	0.399	0.394	0.405	0.396	0.391	0.386	0.381	0.377	0.372	0.369	0.366	0.362	0.358	0.355	0.351	0.347	0.344	0.340	0.337	0.334	0.331	0.327	0.324	0.321	-0.9%
Renewable Energy 7/ Electricity	0.173	0.175	0.174	0.176	0.179	0.181	0.183	0.185	0.188	0.191	0.193	0.195	0.198	0.200	0.202	0.204	0.205	0.207	0.208	0.209	0.210	0.211	0.212	0.213	0.9%
Delivered Energy	2.363	2.368	2.408	2.486	2.501	2.520	2.525	2.527	2.544	2.565	2.583	2.605	2.619	2.640	2.648	2.662	2.667	2.677	2.693	2.690	2.690	2.698	2.702	2.705	0.6%
Electricity Related Losses	0.636	0.585	0.588	0.600	0.613	0.619	0.614	0.610	0.615	0.615	0.608	0.620	0.623	0.622	0.619	0.622	0.620	0.612	0.624	0.620	0.630	0.623	0.618	0.613	-0.2%
Total	2.999	2.953	2.996	3.086	3.114	3.139	3.139	3.137	3.158	3.180	3.191	3.225	3.242	3.263	3.268	3.284	3.287	3.288	3.317	3.310	3.320	3.321	3.320	3.317	0.4%

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 02 - Middle Atlantic																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Transportation																									
Distillate Fuel 8/	0.430	0.461	0.467	0.472	0.479	0.484	0.488	0.492	0.498	0.503	0.507	0.511	0.515	0.519	0.521	0.524	0.525	0.529	0.533	0.535	0.537	0.539	0.540	0.541	1.0%
Jet Fuel 9/	0.420	0.416	0.427	0.483	0.492	0.505	0.516	0.529	0.543	0.559	0.573	0.590	0.605	0.619	0.629	0.641	0.650	0.662	0.672	0.684	0.693	0.704	0.713	0.721	2.4%
Motor Gasoline 2/	1.745	1.783	1.809	1.848	1.873	1.894	1.915	1.930	1.950	1.966	1.982	1.994	2.005	2.017	2.017	2.016	2.015	2.016	2.016	2.014	2.016	2.016	2.016	2.016	0.6%
Residual Fuel	0.078	0.063	0.075	0.077	0.079	0.080	0.082	0.084	0.086	0.088	0.091	0.093	0.095	0.097	0.099	0.101	0.102	0.104	0.106	0.108	0.109	0.111	0.113	0.114	1.7%
Liquefied Petroleum Gas	0.004	0.005	0.006	0.007	0.008	0.010	0.011	0.013	0.015	0.017	0.019	0.020	0.021	0.022	0.022	0.023	0.024	0.024	0.025	0.025	0.025	0.026	0.026	0.026	8.2%
Other Petroleum 10/	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.030	0.031	0.031	0.031	0.031	0.031	0.031	0.032	0.031	0.031	0.032	0.031	0.031	0.031	0.031	0.031	0.2%
Petroleum Subtotal	2.707	2.759	2.814	2.917	2.962	3.003	3.042	3.079	3.122	3.164	3.203	3.239	3.273	3.305	3.320	3.336	3.348	3.367	3.384	3.397	3.412	3.427	3.439	3.450	1.1%
Pipeline Fuel Natural Gas	0.053	0.054	0.055	0.056	0.058	0.060	0.061	0.064	0.067	0.068	0.070	0.071	0.071	0.073	0.074	0.075	0.075	0.077	0.077	0.078	0.079	0.079	0.080	0.080	1.8%
Compressed Natural Gas	0.002	0.003	0.005	0.008	0.012	0.016	0.019	0.022	0.025	0.027	0.029	0.030	0.032	0.034	0.035	0.036	0.037	0.038	0.039	0.039	0.040	0.040	0.041	0.041	14.1%
Renewables (E85) 11/	0.000	0.000	0.001	0.001	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	0.008	0.008	0.009	0.009	0.009	0.009	0.009	23.2%
M85 12/	0.000	0.001	0.001	0.003	0.003	0.004	0.005	0.006	0.007	0.008	0.008	0.009	0.010	0.010	0.011	0.011	0.012	0.012	0.012	0.013	0.013	0.013	0.014	0.014	21.0%
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	0.000	0.000	0.000	N/A
Electricity	0.008	0.008	0.009	0.009	0.009	0.009	0.011	0.013	0.014	0.016	0.017	0.018	0.019	0.020	0.021	0.022	0.022	0.023	0.024	0.025	0.026	0.026	0.027	0.028	5.3%
Delivered Energy	2.770	2.826	2.885	2.994	3.046	3.094	3.142	3.187	3.238	3.286	3.332	3.373	3.411	3.449	3.468	3.487	3.502	3.524	3.544	3.560	3.577	3.595	3.609	3.621	1.2%
Electricity Related Losses	0.018	0.016	0.017	0.017	0.018	0.018	0.021	0.024	0.027	0.029	0.031	0.033	0.035	0.036	0.038	0.039	0.040	0.041	0.042	0.043	0.045	0.046	0.046	0.047	4.3%
Total	2.788	2.843	2.902	3.012	3.064	3.112	3.163	3.211	3.265	3.316	3.362	3.406	3.446	3.485	3.506	3.526	3.542	3.565	3.587	3.604	3.622	3.640	3.656	3.668	1.2%
Delivered Energy Consumption All Sectors																									
Distillate Fuel	1.001	0.964	0.982	0.978	0.977	0.975	0.972	0.970	0.967	0.967	0.966	0.967	0.967	0.967	0.966	0.965	0.963	0.965	0.964	0.963	0.960	0.959	0.958	0.955	-0.2%
Kerosene	0.050	0.051	0.043	0.043	0.043	0.042	0.042	0.042	0.041	0.041	0.040	0.040	0.039	0.039	0.039	0.039	0.039	0.038	0.038	0.038	0.038	0.038	0.037	0.037	-1.2%
Jet Fuel 9/	0.420	0.416	0.427	0.483	0.492	0.505	0.516	0.529	0.543	0.559	0.573	0.590	0.605	0.619	0.629	0.641	0.650	0.662	0.672	0.684	0.693	0.704	0.713	0.721	2.4%
Liquefied Petroleum Gas	0.063	0.062	0.064	0.066	0.067	0.069	0.071	0.073	0.075	0.077	0.079	0.080	0.081	0.082	0.082	0.083	0.083	0.084	0.084	0.084	0.084	0.084	0.084	0.084	1.3%
Motor Gasoline 2/	1.762	1.800	1.825	1.865	1.891	1.912	1.933	1.949	1.968	1.985	2.001	2.014	2.025	2.037	2.037	2.036	2.036	2.036	2.037	2.035	2.037	2.037	2.037	2.037	0.6%
Petrochemical Feedstocks	0.148	0.146	0.148	0.148	0.149	0.148	0.146	0.143	0.142	0.144	0.146	0.147	0.148	0.150	0.151	0.152	0.153	0.155	0.156	0.157	0.159	0.160	0.161	0.162	0.4%
Residual Fuel	0.194	0.168	0.177	0.182	0.184	0.187	0.190	0.192	0.196	0.198	0.201	0.204	0.207	0.211	0.213	0.215	0.217	0.219	0.222	0.223	0.225	0.226	0.228	0.229	0.7%
Other Petroleum 13/	0.480	0.474	0.478	0.582	0.579	0.585	0.591	0.596	0.601	0.607	0.608	0.628	0.625	0.636	0.638	0.638	0.636	0.629	0.632	0.618	0.613	0.611	0.609	0.608	1.0%
Petroleum Subtotal	4.118	4.081	4.144	4.348	4.381	4.423	4.459	4.494	4.533	4.578	4.614	4.670	4.698	4.741	4.756	4.770	4.776	4.788	4.805	4.803	4.808	4.820	4.827	4.834	0.7%
Natural Gas 6/	2.281	2.204	2.357	2.336	2.349	2.360	2.362	2.366	2.370	2.379	2.391	2.392	2.402	2.409	2.421	2.443	2.454	2.473	2.481	2.496	2.496	2.502	2.507	2.510	0.4%
Metallurgical Coal	0.293	0.284	0.293	0.288	0.282	0.277	0.271	0.266	0.261	0.257	0.252	0.248	0.243	0.239	0.235	0.231	0.226	0.222	0.219	0.215	0.211	0.207	0.203	0.200	-1.6%
Steam Coal	0.142	0.144	0.146	0.142	0.142	0.142	0.141	0.141	0.141	0.142	0.143	0.143	0.143	0.144	0.144	0.144	0.144	0.144	0.145	0.145	0.145	0.146	0.146	0.146	0.1%
Net Coal Coke Imports	0.001	0.004	0.004	0.004	0.005	0.006	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010	11.3%
Coal Subtotal	0.435	0.432	0.443	0.434	0.429	0.424	0.419	0.414	0.409	0.406	0.402	0.399	0.395	0.391	0.387	0.383	0.379	0.376	0.373	0.369	0.366	0.363	0.359	0.356	-0.9%
Renewable Energy 14/	0.268	0.260	0.268	0.271	0.273	0.275	0.277	0.280	0.283	0.286	0.289	0.292	0.295	0.297	0.299	0.301	0.303	0.304	0.306	0.308	0.308	0.309	0.310	0.311	0.6%
M85 12/	0.000	0.001	0.001	0.003	0.003	0.004	0.005	0.006	0.007	0.008	0.008	0.009	0.010	0.010	0.011	0.011	0.012	0.012	0.012	0.013	0.013	0.013	0.013	0.014	21.0%
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	0.000	0.000	0.000	N/A
Electricity	1.152	1.182	1.203	1.228	1.251	1.268	1.281	1.294	1.311	1.327	1.343	1.362	1.372	1.385	1.398	1.412	1.423	1.431	1.444	1.451	1.458	1.465	1.476	1.487	1.1%
Delivered Energy	8.255	8.159	8.417	8.618	8.687	8.754	8.803	8.854	8.914	8.982	9.048	9.123	9.172	9.232	9.272	9.321	9.346	9.385	9.422	9.439	9.449	9.472	9.493	9.511	0.6%
Electricity Related Losses	2.448	2.287	2.346	2.436	2.504	2.529	2.522	2.513	2.525	2.512	2.478	2.521	2.530	2.515	2.515	2.532	2.534	2.496	2.535	2.536	2.571	2.540	2.529	2.519	0.1%
Total	10.703	10.447	10.763	11.054	11.190	11.283	11.326	11.367	11.439	11.494	11.526	11.645	11.702	11.747	11.787	11.853	11.880	11.880	11.957	11.976	12.020	12.011	12.022	12.030	0.5%

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 02 - Middle Atlantic																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electric Generators 15/																									
Distillate Fuel	0.011	0.012	0.013	0.009	0.010	0.009	0.008	0.007	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.007	-2.2%
Residual Fuel	0.111	0.155	0.161	0.193	0.178	0.122	0.082	0.047	0.015	0.013	0.005	0.004	0.008	0.007	0.006	0.005	0.003	0.004	0.006	0.007	0.007	0.006	0.004	0.002	-16.5%
Petroleum Subtotal	0.122	0.167	0.174	0.202	0.188	0.131	0.091	0.054	0.021	0.020	0.011	0.011	0.015	0.014	0.013	0.013	0.010	0.011	0.012	0.013	0.014	0.013	0.010	0.008	-11.1%
Natural Gas	0.301	0.203	0.229	0.303	0.359	0.439	0.513	0.642	0.796	0.860	0.970	1.019	1.042	1.136	1.199	1.248	1.287	1.389	1.483	1.511	1.591	1.610	1.627	1.613	7.6%
Steam Coal	1.410	1.281	1.342	1.367	1.373	1.365	1.350	1.340	1.313	1.336	1.323	1.363	1.360	1.350	1.395	1.389	1.392	1.384	1.417	1.420	1.443	1.471	1.453	1.472	0.2%
Nuclear Power	1.222	1.276	1.314	1.275	1.279	1.283	1.272	1.199	1.146	1.049	0.945	0.942	0.926	0.860	0.779	0.777	0.761	0.641	0.562	0.532	0.473	0.407	0.406	0.405	-4.7%
Renewable Energy 16/	0.399	0.371	0.345	0.368	0.368	0.368	0.369	0.369	0.369	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	0.370	-0.3%
Electricity Imports 17/	0.146	0.171	0.146	0.149	0.188	0.211	0.209	0.204	0.191	0.205	0.202	0.179	0.189	0.170	0.156	0.148	0.135	0.132	0.135	0.141	0.138	0.133	0.138	0.138	-0.2%
Total	3.600	3.469	3.549	3.664	3.755	3.797	3.803	3.808	3.836	3.839	3.821	3.883	3.902	3.900	3.913	3.944	3.956	3.927	3.979	3.988	4.029	4.005	4.005	4.006	0.5%
Total Energy Consumption																									
Distillate Fuel	1.012	0.976	0.994	0.987	0.986	0.984	0.980	0.977	0.974	0.974	0.972	0.974	0.974	0.975	0.974	0.972	0.969	0.971	0.970	0.970	0.967	0.966	0.965	0.961	-0.2%
Kerosene	0.050	0.051	0.043	0.043	0.043	0.042	0.042	0.042	0.041	0.041	0.040	0.040	0.039	0.039	0.039	0.039	0.039	0.038	0.038	0.038	0.038	0.038	0.037	0.037	-1.2%
Jet Fuel 9/	0.420	0.416	0.427	0.483	0.492	0.505	0.516	0.529	0.543	0.559	0.573	0.590	0.605	0.619	0.629	0.641	0.650	0.662	0.672	0.684	0.693	0.704	0.713	0.721	2.4%
Liquefied Petroleum Gas	0.063	0.062	0.064	0.066	0.067	0.069	0.071	0.073	0.075	0.077	0.079	0.080	0.081	0.082	0.082	0.083	0.083	0.084	0.084	0.084	0.084	0.084	0.084	0.084	1.3%
Motor Gasoline 2/	1.762	1.800	1.825	1.865	1.891	1.912	1.933	1.949	1.968	1.985	2.001	2.014	2.025	2.037	2.037	2.036	2.036	2.036	2.037	2.035	2.037	2.037	2.037	2.037	0.6%
Petrochemical Feedstocks	0.148	0.146	0.148	0.148	0.149	0.148	0.146	0.143	0.142	0.144	0.146	0.147	0.148	0.150	0.151	0.152	0.153	0.155	0.156	0.157	0.159	0.160	0.161	0.162	0.4%
Residual Fuel	0.306	0.323	0.338	0.374	0.362	0.309	0.272	0.239	0.210	0.211	0.206	0.208	0.215	0.217	0.219	0.221	0.220	0.223	0.228	0.230	0.232	0.232	0.231	0.231	-1.2%
Other Petroleum 13/	0.480	0.474	0.478	0.582	0.579	0.585	0.591	0.596	0.601	0.607	0.608	0.628	0.625	0.636	0.638	0.638	0.636	0.629	0.632	0.618	0.613	0.611	0.609	0.608	1.0%
Petroleum Subtotal	4.240	4.248	4.318	4.550	4.569	4.554	4.550	4.548	4.555	4.597	4.625	4.681	4.714	4.754	4.769	4.782	4.786	4.799	4.817	4.816	4.822	4.833	4.838	4.843	0.6%
Natural Gas	2.582	2.407	2.586	2.639	2.707	2.799	2.875	3.008	3.166	3.238	3.361	3.411	3.444	3.545	3.620	3.691	3.741	3.863	3.964	4.007	4.086	4.112	4.135	4.123	2.1%
Metallurgical Coal	0.293	0.284	0.293	0.288	0.282	0.277	0.271	0.266	0.261	0.257	0.252	0.248	0.243	0.239	0.235	0.231	0.226	0.222	0.219	0.215	0.211	0.207	0.203	0.200	-1.6%
Steam Coal	1.552	1.425	1.488	1.509	1.514	1.507	1.491	1.481	1.454	1.478	1.466	1.506	1.504	1.494	1.539	1.533	1.536	1.528	1.561	1.565	1.588	1.617	1.598	1.617	0.2%
Net Coal Coke Imports	0.001	0.004	0.004	0.004	0.005	0.006	0.006	0.006	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.010	0.010	11.3%
Coal Subtotal	1.845	1.714	1.785	1.801	1.802	1.789	1.769	1.753	1.722	1.742	1.726	1.761	1.755	1.741	1.782	1.773	1.772	1.760	1.790	1.789	1.809	1.834	1.812	1.827	-0.0%
Nuclear Power	1.222	1.276	1.314	1.275	1.279	1.283	1.272	1.199	1.146	1.049	0.945	0.942	0.926	0.860	0.779	0.777	0.761	0.641	0.562	0.532	0.473	0.407	0.406	0.405	-4.7%
Renewable Energy 18/	0.667	0.631	0.613	0.639	0.641	0.643	0.646	0.649	0.652	0.656	0.659	0.662	0.664	0.667	0.669	0.671	0.673	0.675	0.676	0.678	0.679	0.679	0.680	0.681	0.1%
M85 12/	0.000	0.001	0.001	0.003	0.003	0.004	0.005	0.006	0.007	0.008	0.008	0.009	0.010	0.010	0.011	0.011	0.012	0.012	0.012	0.013	0.013	0.013	0.013	0.014	21.0%
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	0.000	0.000	0.000	N/A
Electricity Imports 17/	0.146	0.171	0.146	0.149	0.188	0.211	0.209	0.204	0.191	0.205	0.202	0.179	0.189	0.170	0.156	0.148	0.135	0.132	0.135	0.141	0.138	0.133	0.138	0.138	-0.2%
Total	10.703	10.447	10.763	11.054	11.190	11.283	11.326	11.367	11.439	11.494	11.526	11.645	11.702	11.747	11.787	11.853	11.880	11.880	11.957	11.976	12.020	12.011	12.022	12.030	0.5%
Energy Use & Related Statistics																									
Delivered Energy Use	8.255	8.159	8.417	8.618	8.687	8.754	8.803	8.854	8.914	8.982	9.048	9.123	9.172	9.232	9.272	9.321	9.346	9.385	9.422	9.439	9.449	9.472	9.493	9.511	0.6%
Total Energy Use	10.703	10.447	10.763	11.054	11.190	11.283	11.326	11.367	11.439	11.494	11.526	11.645	11.702	11.747	11.787	11.853	11.880	11.880	11.957	11.976	12.020	12.011	12.022	12.030	0.5%
Population (millions)	38.254	38.307	38.358	38.402	38.456	38.511	38.577	38.647	38.717	38.782	38.846	38.908	38.966	39.026	39.087	39.150	39.214	39.276	39.337	39.395	39.454	39.511	39.566	39.615	0.2%
US GDP (billion 1992 dollars)	7270	7516	7636	7830	7996	8173	8362	8549	8769	8991	9219	9443	9666	9896	10070	10249	10417	10599	10800	10976	11149	11324	11507	11680	2.1%
Total Carbon Emissions (million metric tons)	1480	1506	1552	1585	1613	1630	1646	1659	1678	1703	1725	1750	1771	1790	1811	1828	1847	1867	1890	1907	1927	1944	1959	1975	1.3%

Table 2. Energy Consumption by Sector and Source (02 - Middle Atlantic) Notes

1/ Includes wood used for residential heating. See Table 18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water 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 18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.

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 for cogeneration, both for sale to the grid and for own use.

8/ Low sulfur diesel fuel.

9/ Includes naphtha and kerosene type.

10/ Includes aviation gas and lubricants.

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

12/ M85 is 85 percent methanol and 15 percent motor gasoline.

13/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.

14/ 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 and solar thermal hot water heaters.

15/ 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.

16/ 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.

17/ In 1997 approximately two-thirds of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions.

18/ 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 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. Figures for 1997 may differ from published data due to internal conversion factors. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.

Sources: 1997 electric utility fuel consumption: Energy Information Administration (EIA), Electric Power Annual 1997, Volume 1, DOE/EIA-0348(97)/1 (Washington, DC, July 1998). 1997 nonutility consumption estimates: Form EIA-867, "Annual Nonutility Power Producer Report." Other 1997 values: EIA Short-Term Energy Outlook, September 1998. Online <http://www.eia.doe.gov/emeu/steo/pub/upd/sep98/contents.html> (October 15, 1998). Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 3. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 03 - East North Central																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Transportation																									
Distillate Fuel 8/	0.731	0.784	0.794	0.803	0.816	0.824	0.831	0.837	0.847	0.855	0.863	0.868	0.874	0.879	0.881	0.884	0.885	0.890	0.896	0.897	0.899	0.901	0.903	0.903	0.9%
Jet Fuel 9/	0.298	0.296	0.304	0.342	0.347	0.356	0.363	0.372	0.381	0.392	0.402	0.414	0.424	0.433	0.440	0.448	0.453	0.461	0.468	0.476	0.482	0.489	0.495	0.500	2.3%
Motor Gasoline 2/	2.457	2.511	2.546	2.605	2.643	2.674	2.705	2.730	2.759	2.787	2.813	2.834	2.852	2.872	2.876	2.877	2.879	2.882	2.885	2.885	2.890	2.891	2.892	2.893	0.7%
Residual Fuel	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	0.003	0.003	0.003	0.003	0.003	0.003	1.7%
Liquefied Petroleum Gas	0.007	0.008	0.009	0.010	0.012	0.013	0.015	0.018	0.020	0.022	0.024	0.026	0.027	0.028	0.029	0.029	0.030	0.031	0.031	0.032	0.032	0.033	0.033	0.033	6.7%
Other Petroleum 10/	0.043	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.046	0.046	0.046	0.047	0.047	0.047	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.048	0.047	0.047	0.4%
Petroleum Subtotal	3.539	3.645	3.699	3.807	3.865	3.915	3.962	4.004	4.056	4.106	4.151	4.191	4.227	4.262	4.276	4.288	4.298	4.315	4.332	4.341	4.354	4.365	4.374	4.380	0.9%
Pipeline Fuel Natural Gas	0.079	0.074	0.074	0.076	0.078	0.080	0.082	0.083	0.084	0.085	0.086	0.088	0.088	0.089	0.090	0.091	0.092	0.094	0.095	0.097	0.099	0.100	0.101	0.102	1.1%
Compressed Natural Gas	0.002	0.004	0.006	0.010	0.014	0.018	0.022	0.025	0.028	0.031	0.033	0.035	0.037	0.039	0.040	0.041	0.042	0.043	0.044	0.045	0.046	0.047	0.047	0.048	14.3%
Renewables (E85) 11/	0.000	0.001	0.001	0.002	0.002	0.003	0.003	0.004	0.005	0.005	0.006	0.007	0.007	0.008	0.008	0.009	0.009	0.009	0.010	0.010	0.010	0.011	0.011	0.011	23.3%
M85 12/	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009	0.010	0.010	0.011	0.012	0.012	0.013	0.013	0.014	0.014	0.015	0.015	0.015	0.016	0.016	21.1%
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	0.000	0.000	0.000	N/A
Electricity	0.010	0.010	0.010	0.010	0.010	0.010	0.013	0.015	0.016	0.018	0.019	0.021	0.022	0.023	0.024	0.025	0.026	0.027	0.028	0.029	0.030	0.031	0.032	0.032	5.4%
Delivered Energy	3.631	3.734	3.793	3.907	3.973	4.031	4.088	4.138	4.197	4.254	4.306	4.351	4.392	4.433	4.451	4.468	4.482	4.503	4.524	4.538	4.554	4.568	4.580	4.589	1.0%
Electricity Related Losses	0.021	0.022	0.022	0.021	0.022	0.022	0.027	0.031	0.035	0.038	0.042	0.044	0.047	0.050	0.052	0.054	0.055	0.057	0.059	0.061	0.062	0.065	0.067	0.068	5.4%
Total	3.651	3.756	3.814	3.929	3.996	4.053	4.115	4.169	4.232	4.292	4.347	4.394	4.439	4.483	4.503	4.521	4.537	4.560	4.583	4.599	4.616	4.633	4.647	4.657	1.1%
Delivered Energy Consumption All Sectors																									
Distillate Fuel	1.055	1.084	1.100	1.112	1.125	1.133	1.140	1.148	1.158	1.167	1.174	1.180	1.186	1.193	1.195	1.198	1.200	1.206	1.214	1.216	1.217	1.220	1.223	1.224	0.6%
Kerosene	0.017	0.018	0.015	0.015	0.015	0.015	0.015	0.015	0.016	0.016	0.015	0.016	0.016	0.016	0.016	0.016	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	-0.6%
Jet Fuel 9/	0.298	0.296	0.304	0.342	0.347	0.356	0.363	0.372	0.381	0.392	0.402	0.414	0.424	0.433	0.440	0.448	0.453	0.461	0.468	0.476	0.482	0.489	0.495	0.500	2.3%
Liquefied Petroleum Gas	0.274	0.268	0.273	0.277	0.282	0.287	0.291	0.295	0.299	0.303	0.306	0.310	0.313	0.316	0.317	0.319	0.320	0.321	0.324	0.325	0.325	0.327	0.328	0.330	0.8%
Motor Gasoline 2/	2.496	2.549	2.585	2.644	2.682	2.714	2.746	2.771	2.802	2.830	2.857	2.878	2.897	2.918	2.922	2.923	2.926	2.929	2.933	2.934	2.938	2.940	2.942	2.943	0.7%
Petrochemical Feedstocks	0.195	0.192	0.194	0.195	0.196	0.194	0.191	0.189	0.188	0.191	0.193	0.195	0.197	0.199	0.200	0.202	0.204	0.207	0.209	0.212	0.214	0.217	0.219	0.222	0.6%
Residual Fuel	0.024	0.013	0.013	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.015	0.015	0.015	0.015	0.015	0.016	0.015	0.016	0.016	0.016	0.016	-1.7%
Other Petroleum 13/	0.694	0.693	0.698	0.759	0.764	0.775	0.776	0.786	0.797	0.802	0.807	0.813	0.818	0.823	0.821	0.823	0.822	0.824	0.831	0.831	0.832	0.836	0.837	0.841	0.8%
Petroleum Subtotal	5.054	5.112	5.182	5.358	5.427	5.488	5.537	5.591	5.655	5.714	5.769	5.820	5.865	5.911	5.926	5.943	5.955	5.979	6.010	6.024	6.040	6.060	6.075	6.090	0.8%
Natural Gas 6/	3.917	3.791	4.034	4.121	4.127	4.132	4.142	4.153	4.162	4.182	4.203	4.221	4.236	4.249	4.260	4.285	4.295	4.316	4.333	4.345	4.354	4.364	4.376	4.386	0.5%
Metallurgical Coal	0.295	0.286	0.295	0.290	0.285	0.279	0.274	0.268	0.263	0.259	0.253	0.248	0.242	0.237	0.232	0.228	0.224	0.220	0.216	0.213	0.209	0.206	0.203	0.200	-1.7%
Steam Coal	0.399	0.396	0.403	0.401	0.404	0.406	0.408	0.407	0.410	0.414	0.416	0.416	0.416	0.416	0.415	0.416	0.417	0.419	0.422	0.425	0.428	0.431	0.432	0.434	0.4%
Net Coal Coke Imports	0.010	0.058	0.051	0.062	0.071	0.077	0.084	0.090	0.097	0.103	0.108	0.110	0.112	0.113	0.115	0.119	0.123	0.127	0.132	0.135	0.139	0.142	0.145	0.147	12.2%
Coal Subtotal	0.704	0.741	0.750	0.753	0.760	0.763	0.766	0.765	0.770	0.776	0.777	0.774	0.770	0.766	0.763	0.762	0.763	0.766	0.770	0.773	0.777	0.778	0.780	0.781	0.4%
Renewable Energy 14/	0.419	0.420	0.431	0.440	0.450	0.458	0.464	0.472	0.481	0.491	0.500	0.508	0.517	0.524	0.531	0.538	0.544	0.551	0.560	0.566	0.572	0.578	0.584	0.589	1.5%
M85 12/	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009	0.010	0.010	0.011	0.012	0.012	0.013	0.013	0.014	0.014	0.015	0.015	0.015	0.016	0.016	21.1%
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	0.000	0.000	0.000	N/A
Electricity	1.853	1.899	1.925	1.948	1.980	2.001	2.014	2.032	2.055	2.077	2.095	2.114	2.131	2.149	2.170	2.200	2.218	2.243	2.268	2.290	2.309	2.327	2.345	2.362	1.1%
Delivered Energy	11.947	11.964	12.324	12.623	12.748	12.847	12.929	13.020	13.131	13.249	13.353	13.447	13.530	13.611	13.662	13.741	13.788	13.869	13.955	14.012	14.067	14.124	14.175	14.224	0.8%
Electricity Related Losses	3.953	4.207	4.203	4.155	4.302	4.328	4.309	4.303	4.355	4.390	4.483	4.451	4.518	4.574	4.609	4.641	4.679	4.732	4.732	4.800	4.804	4.888	4.950	4.987	1.0%
Total	15.900	16.171	16.527	16.778	17.051	17.175	17.238	17.323	17.486	17.639	17.836	17.898	18.047	18.185	18.270	18.381	18.467	18.600	18.687	18.812	18.871	19.011	19.126	19.211	0.8%

Table 3. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 03 - East North Central																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electric Generators 15/																									
Distillate Fuel	0.017	0.016	0.016	0.014	0.014	0.014	0.013	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	-1.2%
Residual Fuel	0.012	0.007	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	0.000	0.000	0.000	-16.5%
Petroleum Subtotal	0.029	0.023	0.018	0.015	0.015	0.014	0.013	0.013	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	-3.4%
Natural Gas	0.107	0.302	0.164	0.100	0.114	0.124	0.139	0.167	0.198	0.245	0.307	0.378	0.420	0.478	0.521	0.580	0.618	0.695	0.802	0.886	0.965	1.017	1.078	1.096	10.6%
Steam Coal	4.335	4.428	4.571	4.589	4.736	4.786	4.830	4.813	4.841	4.870	4.926	4.988	5.039	5.056	5.095	5.099	5.117	5.163	5.213	5.238	5.270	5.312	5.334	5.367	0.9%
Nuclear Power	1.202	1.188	1.214	1.226	1.234	1.243	1.180	1.188	1.199	1.177	1.148	0.984	0.984	0.985	0.959	0.955	0.955	0.914	0.779	0.764	0.670	0.670	0.670	0.670	-2.5%
Renewable Energy 16/	0.087	0.115	0.114	0.118	0.119	0.121	0.122	0.123	0.124	0.126	0.127	0.129	0.130	0.132	0.134	0.136	0.138	0.141	0.143	0.146	0.148	0.151	0.154	0.156	2.6%
Electricity Imports 17/	0.047	0.050	0.046	0.056	0.065	0.041	0.041	0.033	0.034	0.036	0.057	0.073	0.063	0.059	0.058	0.058	0.055	0.048	0.050	0.043	0.046	0.051	0.046	0.046	-0.1%
Total	5.807	6.106	6.128	6.103	6.283	6.329	6.323	6.335	6.409	6.467	6.578	6.564	6.649	6.723	6.779	6.840	6.897	6.974	7.000	7.090	7.113	7.215	7.296	7.349	1.0%
Total Energy Consumption																									
Distillate Fuel	1.072	1.100	1.116	1.126	1.140	1.147	1.153	1.160	1.170	1.179	1.187	1.193	1.199	1.205	1.208	1.211	1.213	1.219	1.226	1.228	1.230	1.233	1.236	1.237	0.6%
Kerosene	0.017	0.018	0.015	0.015	0.015	0.015	0.015	0.015	0.016	0.016	0.015	0.016	0.016	0.016	0.016	0.016	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.015	-0.6%
Jet Fuel 9/	0.298	0.296	0.304	0.342	0.347	0.356	0.363	0.372	0.381	0.392	0.402	0.414	0.424	0.433	0.440	0.448	0.453	0.461	0.468	0.476	0.482	0.489	0.495	0.500	2.3%
Liquefied Petroleum Gas	0.274	0.268	0.273	0.277	0.282	0.287	0.291	0.295	0.299	0.303	0.306	0.310	0.313	0.316	0.317	0.319	0.320	0.321	0.324	0.325	0.325	0.327	0.328	0.330	0.8%
Motor Gasoline 2/	2.496	2.549	2.585	2.644	2.682	2.714	2.746	2.771	2.802	2.830	2.857	2.878	2.897	2.918	2.922	2.923	2.926	2.929	2.933	2.934	2.938	2.940	2.942	2.943	0.7%
Petrochemical Feedstocks	0.195	0.192	0.194	0.195	0.196	0.194	0.191	0.189	0.188	0.191	0.193	0.195	0.197	0.199	0.200	0.202	0.204	0.207	0.209	0.212	0.214	0.217	0.219	0.222	0.6%
Residual Fuel	0.036	0.020	0.016	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.015	0.015	0.015	0.015	0.015	0.015	0.015	0.016	0.016	0.016	0.016	0.016	0.016	-3.4%
Other Petroleum 13/	0.694	0.693	0.698	0.759	0.764	0.775	0.776	0.786	0.797	0.802	0.807	0.813	0.818	0.823	0.821	0.823	0.822	0.824	0.831	0.831	0.832	0.836	0.837	0.841	0.8%
Petroleum Subtotal	5.082	5.135	5.200	5.372	5.441	5.502	5.550	5.604	5.668	5.727	5.782	5.834	5.877	5.924	5.939	5.956	5.968	5.992	6.023	6.037	6.053	6.073	6.088	6.103	0.8%
Natural Gas	4.024	4.094	4.198	4.221	4.241	4.256	4.280	4.320	4.360	4.427	4.510	4.599	4.656	4.727	4.781	4.865	4.913	5.011	5.135	5.231	5.319	5.382	5.454	5.482	1.4%
Metallurgical Coal	0.295	0.286	0.295	0.290	0.285	0.279	0.274	0.268	0.263	0.259	0.253	0.248	0.242	0.237	0.232	0.228	0.224	0.220	0.216	0.213	0.209	0.206	0.203	0.200	-1.7%
Steam Coal	4.734	4.824	4.975	4.990	5.140	5.192	5.237	5.220	5.251	5.285	5.342	5.404	5.455	5.473	5.510	5.515	5.534	5.582	5.635	5.663	5.699	5.742	5.766	5.801	0.9%
Net Coal Coke Imports	0.010	0.058	0.051	0.062	0.071	0.077	0.084	0.090	0.097	0.103	0.108	0.110	0.112	0.113	0.115	0.119	0.123	0.127	0.132	0.135	0.139	0.142	0.145	0.147	12.2%
Coal Subtotal	5.039	5.168	5.322	5.342	5.496	5.549	5.595	5.578	5.611	5.647	5.703	5.762	5.809	5.823	5.857	5.861	5.881	5.929	5.983	6.011	6.047	6.090	6.114	6.148	0.9%
Nuclear Power	1.202	1.188	1.214	1.226	1.234	1.243	1.180	1.188	1.199	1.177	1.148	0.984	0.984	0.985	0.959	0.955	0.955	0.914	0.779	0.764	0.670	0.670	0.670	0.670	-2.5%
Renewable Energy 18/	0.506	0.535	0.545	0.559	0.570	0.578	0.586	0.594	0.605	0.616	0.627	0.637	0.647	0.656	0.665	0.674	0.682	0.692	0.703	0.712	0.721	0.729	0.738	0.745	1.7%
M85 12/	0.000	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009	0.010	0.010	0.011	0.012	0.012	0.013	0.013	0.014	0.014	0.015	0.015	0.015	0.016	0.016	21.1%
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	0.000	0.000	0.000	N/A
Electricity Imports 17/	0.047	0.050	0.046	0.056	0.065	0.041	0.041	0.033	0.034	0.036	0.057	0.073	0.063	0.059	0.058	0.058	0.055	0.048	0.050	0.043	0.046	0.051	0.046	0.046	-0.1%
Total	15.900	16.171	16.527	16.778	17.051	17.175	17.238	17.323	17.486	17.639	17.836	17.898	18.047	18.185	18.270	18.381	18.467	18.600	18.687	18.812	18.871	19.011	19.126	19.211	0.8%
Energy Use & Related Statistics																									
Delivered Energy Use	11.947	11.964	12.324	12.623	12.748	12.847	12.929	13.020	13.131	13.249	13.353	13.447	13.530	13.611	13.662	13.741	13.788	13.869	13.955	14.012	14.067	14.124	14.175	14.224	0.8%
Total Energy Use	15.900	16.171	16.527	16.778	17.051	17.175	17.238	17.323	17.486	17.639	17.836	17.898	18.047	18.185	18.270	18.381	18.467	18.600	18.687	18.812	18.871	19.011	19.126	19.211	0.8%
Population (millions)	43.959	44.150	44.334	44.497	44.649	44.802	44.945	45.087	45.237	45.397	45.550	45.687	45.820	45.957	46.099	46.236	46.370	46.502	46.636	46.764	46.882	46.984	47.073	47.157	0.3%
US GDP (billion 1992 dollars)	7270	7516	7636	7830	7996	8173	8362	8549	8769	8991	9219	9443	9666	9896	10070	10249	10417	10599	10800	10976	11149	11324	11507	11680	2.1%
Total Carbon Emissions (million metric tons)	1480	1506	1552	1585	1613	1630	1646	1659	1678	1703	1725	1750	1771	1790	1811	1828	1847	1867	1890	1907	1927	1944	1959	1975	1.3%

Table 3. Energy Consumption by Sector and Source (03 - East North Central) Notes

1/ Includes wood used for residential heating. See Table 18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water 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 18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.

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 for cogeneration, both for sale to the grid and for own use.

8/ Low sulfur diesel fuel.

9/ Includes naphtha and kerosene type.

10/ Includes aviation gas and lubricants.

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

12/ M85 is 85 percent methanol and 15 percent motor gasoline.

13/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.

14/ 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 and solar thermal hot water heaters.

15/ 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.

16/ 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.

17/ In 1997 approximately two-thirds of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions.

18/ 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 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. Figures for 1997 may differ from published data due to internal conversion factors. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.

Sources: 1997 electric utility fuel consumption: Energy Information Administration (EIA), Electric Power Annual 1997, Volume 1, DOE/EIA-0348(97)/1 (Washington, DC, July 1998). 1997 nonutility consumption estimates: Form EIA-867, "Annual Nonutility Power Producer Report." Other 1997 values: EIA Short-Term Energy Outlook, September 1998. Online <http://www.eia.doe.gov/emeu/steo/pub/upd/sep98/contents.html> (October 15, 1998). Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 4. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 04 - West North Central																							1997- 2020			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Energy Consumption																										
Residential																										
Distillate Fuel	0.040	0.037	0.038	0.036	0.035	0.034	0.032	0.031	0.030	0.029	0.028	0.027	0.027	0.026	0.026	0.025	0.025	0.024	0.024	0.024	0.023	0.023	0.023	0.022	-2.5%	
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	0.001	0.001	0.001	0.001	0.4%
Liquefied Petroleum Gas	0.069	0.068	0.070	0.069	0.067	0.065	0.063	0.062	0.059	0.057	0.056	0.055	0.054	0.052	0.052	0.051	0.050	0.049	0.049	0.048	0.047	0.047	0.047	0.046	0.045	-1.8%
Petroleum Subtotal	0.110	0.106	0.108	0.106	0.103	0.100	0.096	0.094	0.090	0.087	0.085	0.083	0.081	0.079	0.078	0.077	0.076	0.075	0.074	0.073	0.072	0.071	0.070	0.069	-2.0%	
Natural Gas	0.491	0.454	0.495	0.497	0.496	0.498	0.500	0.504	0.505	0.507	0.509	0.514	0.515	0.518	0.521	0.526	0.527	0.530	0.531	0.534	0.533	0.534	0.535	0.537	0.4%	
Coal	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	0.004	0.004	0.004	0.004	0.004	-1.2%	
Renewable Energy 1/ Electricity	0.064	0.058	0.062	0.063	0.063	0.063	0.063	0.063	0.063	0.063	0.064	0.064	0.064	0.064	0.064	0.065	0.065	0.065	0.065	0.065	0.066	0.066	0.066	0.066	0.2%	
Delivered Energy	0.943	0.904	0.961	0.969	0.973	0.975	0.979	0.978	0.980	0.983	0.990	0.991	0.995	1.002	1.011	1.014	1.020	1.024	1.031	1.032	1.035	1.039	1.047	0.5%		
Electricity Related Losses	0.725	0.825	0.858	0.893	0.898	0.897	0.899	0.895	0.884	0.887	0.890	0.895	0.896	0.897	0.897	0.902	0.906	0.912	0.917	0.928	0.942	0.956	0.987	1.010	1.5%	
Total	1.668	1.729	1.820	1.862	1.871	1.872	1.874	1.874	1.862	1.866	1.872	1.885	1.887	1.892	1.898	1.913	1.920	1.932	1.941	1.959	1.973	1.991	2.026	2.056	0.9%	
Commercial																										
Distillate Fuel	0.025	0.018	0.019	0.019	0.019	0.019	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	0.016	0.016	0.016	0.016	-1.9%	
Residual Fuel	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-0.3%	
Kerosene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.2%	
Liquefied Petroleum Gas	0.013	0.013	0.013	0.013	0.013	0.013	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014	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/ Petroleum Subtotal	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-0.3%	
Natural Gas	0.350	0.334	0.364	0.361	0.363	0.364	0.367	0.369	0.371	0.373	0.376	0.379	0.381	0.384	0.386	0.388	0.390	0.391	0.391	0.391	0.391	0.391	0.391	0.391	0.390	0.5%
Coal	0.011	0.012	0.011	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.6%
Renewable Energy 3/ Electricity	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.1%	
Delivered Energy	0.234	0.242	0.247	0.251	0.254	0.258	0.260	0.263	0.266	0.269	0.272	0.275	0.278	0.281	0.285	0.289	0.292	0.296	0.298	0.300	0.302	0.303	0.305	0.306	1.2%	
Electricity Related Losses	0.637	0.622	0.657	0.659	0.664	0.670	0.674	0.679	0.684	0.689	0.694	0.701	0.707	0.712	0.718	0.724	0.729	0.734	0.736	0.738	0.740	0.741	0.742	0.742	0.7%	
Total	1.258	1.330	1.386	1.408	1.410	1.417	1.426	1.428	1.430	1.439	1.449	1.459	1.470	1.478	1.484	1.493	1.503	1.511	1.515	1.521	1.533	1.542	1.564	1.575	1.0%	
Industrial 4/																										
Distillate Fuel	0.195	0.192	0.195	0.198	0.201	0.204	0.209	0.213	0.219	0.222	0.225	0.228	0.230	0.233	0.235	0.237	0.239	0.242	0.245	0.247	0.249	0.252	0.254	0.257	1.2%	
Liquefied Petroleum Gas	0.107	0.103	0.104	0.104	0.106	0.107	0.108	0.109	0.110	0.112	0.113	0.115	0.116	0.117	0.118	0.119	0.120	0.122	0.124	0.125	0.126	0.128	0.129	0.131	0.9%	
Petrochemical Feedstocks	0.022	0.021	0.022	0.022	0.022	0.022	0.021	0.021	0.021	0.021	0.021	0.022	0.022	0.022	0.022	0.023	0.023	0.023	0.023	0.024	0.024	0.024	0.024	0.025	0.6%	
Residual Fuel	0.006	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	0.003	0.003	0.003	0.003	-3.3%	
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.038	0.037	0.037	0.038	0.039	0.040	0.041	0.042	0.043	0.044	0.044	0.045	0.046	0.046	0.047	0.047	0.048	0.048	0.049	0.050	0.050	0.051	0.051	0.052	1.4%	
Natural Gas 6/ Metallurgical Coal	0.227	0.225	0.227	0.248	0.251	0.255	0.257	0.260	0.265	0.268	0.272	0.276	0.279	0.282	0.283	0.284	0.285	0.287	0.290	0.292	0.293	0.295	0.297	0.299	1.2%	
Steam Coal	0.594	0.580	0.587	0.613	0.621	0.630	0.637	0.647	0.660	0.670	0.679	0.687	0.695	0.704	0.708	0.713	0.718	0.725	0.734	0.741	0.745	0.752	0.759	0.766	1.1%	
Net Coal Coke Imports	0.539	0.544	0.556	0.586	0.592	0.595	0.601	0.607	0.620	0.636	0.650	0.663	0.679	0.695	0.706	0.721	0.735	0.751	0.772	0.786	0.802	0.817	0.834	0.851	2.0%	
Coal Subtotal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A	
Renewable Energy 7/ Electricity	0.243	0.241	0.246	0.244	0.246	0.248	0.248	0.248	0.250	0.253	0.254	0.254	0.254	0.254	0.254	0.254	0.255	0.256	0.258	0.260	0.262	0.264	0.265	0.266	0.4%	
Delivered Energy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A	
Electricity Related Losses	0.120	0.124	0.124	0.127	0.130	0.132	0.134	0.136	0.139	0.142	0.145	0.147	0.150	0.152	0.154	0.156	0.157	0.159	0.161	0.163	0.164	0.166	0.167	0.169	1.5%	
Total	2.434	2.512	2.540	2.607	2.628	2.645	2.664	2.681	2.714	2.760	2.793	2.820	2.853	2.882	2.893	2.920	2.944	2.979	3.023	3.053	3.094	3.132	3.184	3.225	1.2%	

Table 4. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 04 - West North Central																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electric Generators 15/																									
Distillate Fuel	0.008	0.010	0.010	0.011	0.010	0.008	0.006	0.004	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	-2.5%
Residual Fuel	0.006	0.012	0.012	0.006	0.005	0.003	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-19.9%
Petroleum Subtotal	0.014	0.022	0.022	0.017	0.014	0.011	0.007	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	-4.7%
Natural Gas	0.048	0.064	0.051	0.049	0.054	0.057	0.058	0.069	0.102	0.115	0.128	0.140	0.151	0.165	0.186	0.200	0.208	0.222	0.229	0.231	0.238	0.243	0.245	0.254	7.5%
Steam Coal	2.086	2.309	2.395	2.478	2.486	2.496	2.522	2.600	2.637	2.652	2.658	2.666	2.672	2.675	2.686	2.692	2.698	2.706	2.717	2.738	2.771	2.800	2.876	2.915	1.5%
Nuclear Power	0.405	0.423	0.433	0.434	0.434	0.433	0.427	0.339	0.309	0.308	0.307	0.308	0.308	0.301	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	-1.8%
Renewable Energy 16/	0.200	0.219	0.211	0.222	0.224	0.226	0.228	0.229	0.230	0.232	0.235	0.237	0.239	0.242	0.247	0.251	0.256	0.262	0.268	0.274	0.282	0.289	0.297	0.304	1.8%
Electricity Imports 17/	0.052	0.059	0.055	0.047	0.047	0.045	0.045	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-23.4%
Total	2.806	3.096	3.168	3.246	3.259	3.269	3.287	3.288	3.284	3.313	3.333	3.356	3.376	3.389	3.393	3.416	3.435	3.463	3.486	3.515	3.563	3.604	3.690	3.746	1.3%
Total Energy Consumption																									
Distillate Fuel	0.747	0.770	0.782	0.793	0.804	0.813	0.820	0.828	0.840	0.849	0.858	0.865	0.873	0.881	0.885	0.889	0.892	0.898	0.905	0.909	0.912	0.916	0.921	0.924	0.9%
Kerosene	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	0.003	0.003	0.003	0.003	0.003	0.003	0.3%
Jet Fuel 9/	0.165	0.164	0.168	0.186	0.189	0.193	0.198	0.203	0.208	0.215	0.220	0.227	0.233	0.238	0.242	0.246	0.250	0.254	0.258	0.262	0.265	0.269	0.272	0.275	2.2%
Liquefied Petroleum Gas	0.192	0.187	0.191	0.190	0.191	0.191	0.191	0.192	0.192	0.192	0.193	0.194	0.195	0.195	0.196	0.197	0.198	0.199	0.200	0.201	0.202	0.203	0.204	0.205	0.3%
Motor Gasoline 2/	1.213	1.238	1.255	1.288	1.312	1.332	1.353	1.370	1.389	1.406	1.423	1.437	1.451	1.465	1.470	1.473	1.476	1.480	1.484	1.487	1.492	1.495	1.499	1.503	0.9%
Petrochemical Feedstocks	0.022	0.021	0.022	0.022	0.022	0.022	0.021	0.021	0.021	0.021	0.021	0.021	0.022	0.022	0.022	0.022	0.023	0.023	0.023	0.023	0.024	0.024	0.024	0.025	0.6%
Residual Fuel	0.012	0.015	0.015	0.009	0.008	0.006	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	-5.1%
Other Petroleum 13/	0.248	0.246	0.248	0.270	0.273	0.277	0.279	0.282	0.287	0.291	0.295	0.299	0.303	0.306	0.308	0.308	0.309	0.311	0.315	0.317	0.318	0.320	0.322	0.324	1.2%
Petroleum Subtotal	2.601	2.644	2.682	2.761	2.801	2.837	2.869	2.902	2.943	2.980	3.016	3.051	3.082	3.113	3.128	3.142	3.153	3.171	3.192	3.205	3.218	3.234	3.248	3.262	1.0%
Natural Gas	1.523	1.490	1.564	1.596	1.614	1.629	1.645	1.673	1.727	1.764	1.800	1.834	1.867	1.907	1.947	1.988	2.017	2.056	2.092	2.114	2.142	2.167	2.190	2.222	1.7%
Metallurgical Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	2.345	2.566	2.657	2.738	2.748	2.760	2.786	2.865	2.904	2.921	2.928	2.936	2.942	2.946	2.956	2.962	2.969	2.979	2.991	3.014	3.050	3.080	3.157	3.198	1.4%
Net Coal Coke Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	2.345	2.566	2.657	2.738	2.748	2.760	2.786	2.865	2.904	2.921	2.928	2.936	2.942	2.946	2.956	2.962	2.969	2.979	2.991	3.014	3.050	3.080	3.157	3.198	1.4%
Nuclear Power	0.405	0.423	0.433	0.434	0.434	0.433	0.427	0.339	0.309	0.308	0.307	0.308	0.308	0.301	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	0.267	-1.8%
Renewable Energy 18/	0.384	0.401	0.398	0.412	0.418	0.423	0.427	0.430	0.435	0.440	0.446	0.451	0.456	0.461	0.469	0.476	0.482	0.491	0.499	0.507	0.516	0.525	0.535	0.544	1.5%
M85 12/	0.000	0.000	0.001	0.001	0.002	0.002	0.003	0.003	0.003	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	21.4%
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	0.000	0.000	0.000	N/A
Electricity Imports 17/	0.052	0.059	0.055	0.047	0.047	0.045	0.045	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-23.4%
Total	7.311	7.583	7.790	7.990	8.065	8.130	8.202	8.258	8.320	8.418	8.502	8.584	8.661	8.733	8.773	8.841	8.895	8.970	9.048	9.115	9.200	9.280	9.405	9.500	1.1%
Energy Use & Related Statistics																									
Delivered Energy Use	5.274	5.275	5.423	5.559	5.634	5.699	5.761	5.824	5.901	5.980	6.052	6.121	6.187	6.254	6.301	6.358	6.402	6.461	6.525	6.573	6.618	6.665	6.712	6.761	1.1%
Total Energy Use	7.311	7.583	7.790	7.990	8.065	8.130	8.202	8.258	8.320	8.418	8.502	8.584	8.661	8.733	8.773	8.841	8.895	8.970	9.048	9.115	9.200	9.280	9.405	9.500	1.1%
Population (millions)	18.604	18.725	18.842	18.949	19.060	19.171	19.287	19.395	19.496	19.600	19.711	19.824	19.936	20.042	20.143	20.232	20.315	20.398	20.480	20.561	20.641	20.720	20.798	20.874	0.5%
US GDP (billion 1992 dollars)	7270	7516	7636	7830	7996	8173	8362	8549	8769	8991	9219	9443	9666	9896	10070	10249	10417	10599	10800	10976	11149	11324	11507	11680	2.1%
Total Carbon Emissions (million metric tons)	1480	1506	1552	1585	1613	1630	1646	1659	1678	1703	1725	1750	1771	1790	1811	1828	1847	1867	1890	1907	1927	1944	1959	1975	1.3%

Table 4. Energy Consumption by Sector and Source (04 - West North Central) Notes

1/ Includes wood used for residential heating. See Table 18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water 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 18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.

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 for cogeneration, both for sale to the grid and for own use.

8/ Low sulfur diesel fuel.

9/ Includes naphtha and kerosene type.

10/ Includes aviation gas and lubricants.

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

12/ M85 is 85 percent methanol and 15 percent motor gasoline.

13/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.

14/ 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 and solar thermal hot water heaters.

15/ 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.

16/ 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.

17/ In 1997 approximately two-thirds of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions.

18/ 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 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. Figures for 1997 may differ from published data due to internal conversion factors. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.

Sources: 1997 electric utility fuel consumption: Energy Information Administration (EIA), Electric Power Annual 1997, Volume 1, DOE/EIA-0348(97)/1 (Washington, DC, July 1998). 1997 nonutility consumption estimates: Form EIA-867, "Annual Nonutility Power Producer Report." Other 1997 values: EIA Short-Term Energy Outlook, September 1998. Online <http://www.eia.doe.gov/emeu/steo/pub/upd/sep98/contents.html> (October 15, 1998). Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 5. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 05 - South Atlantic																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electric Generators 15/																									
Distillate Fuel	0.035	0.032	0.029	0.020	0.021	0.022	0.018	0.017	0.016	0.017	0.017	0.017	0.017	0.017	0.017	0.016	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.017	-3.1%
Residual Fuel	0.290	0.344	0.335	0.276	0.268	0.252	0.178	0.143	0.122	0.111	0.103	0.117	0.113	0.112	0.105	0.100	0.096	0.086	0.081	0.071	0.069	0.066	0.069	0.066	-6.2%
Petroleum Subtotal	0.326	0.376	0.364	0.296	0.289	0.273	0.196	0.160	0.138	0.128	0.120	0.134	0.130	0.129	0.122	0.116	0.113	0.102	0.097	0.087	0.086	0.083	0.086	0.083	-5.8%
Natural Gas	0.493	0.305	0.328	0.333	0.371	0.404	0.450	0.483	0.521	0.578	0.620	0.641	0.661	0.693	0.697	0.708	0.740	0.767	0.754	0.766	0.740	0.727	0.725	0.724	1.7%
Steam Coal	3.842	3.915	4.050	4.189	4.264	4.313	4.334	4.275	4.203	4.303	4.295	4.452	4.509	4.442	4.587	4.588	4.730	4.791	4.883	4.955	5.075	5.153	5.186	5.290	1.4%
Nuclear Power	1.699	1.766	1.811	1.819	1.823	1.825	1.822	1.820	1.764	1.679	1.634	1.617	1.557	1.535	1.497	1.438	1.274	1.113	0.986	0.938	0.867	0.866	0.865	0.864	-2.9%
Renewable Energy 16/	0.216	0.200	0.186	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	-0.3%
Electricity Imports 17/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	6.575	6.562	6.739	6.836	6.945	7.015	7.001	6.937	6.825	6.887	6.867	7.044	7.057	6.998	7.103	7.050	7.057	6.973	6.920	6.946	6.967	7.029	7.062	7.161	0.4%
Total Energy Consumption																									
Distillate Fuel	1.183	1.204	1.218	1.230	1.254	1.273	1.289	1.305	1.325	1.346	1.364	1.382	1.400	1.419	1.433	1.448	1.462	1.479	1.499	1.512	1.526	1.542	1.557	1.571	1.2%
Kerosene	0.047	0.048	0.040	0.040	0.041	0.041	0.041	0.042	0.042	0.042	0.043	0.043	0.044	0.044	0.044	0.044	0.045	0.045	0.045	0.045	0.045	0.045	0.045	0.045	-0.2%
Jet Fuel 9/	0.400	0.396	0.407	0.453	0.462	0.474	0.488	0.504	0.520	0.539	0.556	0.576	0.594	0.611	0.625	0.641	0.654	0.670	0.685	0.701	0.715	0.732	0.746	0.760	2.8%
Liquefied Petroleum Gas	0.165	0.163	0.167	0.171	0.174	0.178	0.181	0.185	0.189	0.192	0.196	0.200	0.202	0.205	0.207	0.209	0.210	0.212	0.214	0.215	0.216	0.218	0.219	0.220	1.3%
Motor Gasoline 2/	2.977	3.040	3.083	3.177	3.248	3.314	3.380	3.441	3.508	3.572	3.636	3.694	3.752	3.811	3.850	3.886	3.925	3.966	4.007	4.044	4.088	4.129	4.171	4.213	1.5%
Petrochemical Feedstocks	0.182	0.179	0.182	0.184	0.186	0.185	0.183	0.181	0.181	0.183	0.186	0.188	0.190	0.192	0.193	0.196	0.197	0.199	0.201	0.203	0.205	0.207	0.208	0.210	0.6%
Residual Fuel	0.472	0.520	0.521	0.472	0.466	0.454	0.385	0.358	0.342	0.334	0.327	0.348	0.347	0.352	0.349	0.350	0.349	0.344	0.346	0.337	0.340	0.342	0.350	0.351	-1.3%
Other Petroleum 13/	0.480	0.478	0.487	0.511	0.516	0.527	0.533	0.547	0.556	0.561	0.566	0.575	0.580	0.589	0.596	0.606	0.610	0.617	0.627	0.630	0.637	0.643	0.651	0.656	1.4%
Petroleum Subtotal	5.905	6.028	6.105	6.238	6.346	6.446	6.480	6.563	6.664	6.770	6.874	7.006	7.108	7.223	7.298	7.380	7.452	7.532	7.624	7.687	7.772	7.857	7.947	8.026	1.3%
Natural Gas	2.057	1.813	1.927	1.964	2.035	2.100	2.172	2.234	2.304	2.396	2.475	2.531	2.587	2.655	2.689	2.734	2.796	2.854	2.866	2.900	2.894	2.903	2.921	2.945	1.6%
Metallurgical Coal	0.066	0.064	0.066	0.065	0.063	0.062	0.061	0.059	0.058	0.057	0.055	0.054	0.053	0.051	0.050	0.049	0.049	0.048	0.047	0.046	0.045	0.044	0.044	0.043	-1.8%
Steam Coal	4.227	4.299	4.443	4.578	4.659	4.713	4.735	4.675	4.608	4.716	4.714	4.875	4.937	4.873	5.022	5.026	5.174	5.241	5.339	5.417	5.542	5.625	5.661	5.768	1.4%
Net Coal Coke Imports	0.002	0.013	0.012	0.014	0.016	0.018	0.019	0.020	0.022	0.023	0.024	0.025	0.026	0.026	0.027	0.028	0.030	0.031	0.032	0.033	0.035	0.035	0.036	0.037	12.7%
Coal Subtotal	4.296	4.376	4.521	4.657	4.738	4.793	4.814	4.755	4.688	4.795	4.794	4.954	5.015	4.951	5.099	5.104	5.252	5.319	5.418	5.497	5.621	5.704	5.741	5.848	1.4%
Nuclear Power	1.699	1.766	1.811	1.819	1.823	1.825	1.822	1.820	1.764	1.679	1.634	1.617	1.557	1.535	1.497	1.438	1.274	1.113	0.986	0.938	0.867	0.866	0.865	0.864	-2.9%
Renewable Energy 18/	0.679	0.662	0.656	0.675	0.682	0.687	0.692	0.697	0.706	0.714	0.723	0.730	0.738	0.745	0.751	0.757	0.761	0.767	0.774	0.778	0.782	0.786	0.790	0.794	0.7%
M85 12/	0.000	0.001	0.002	0.003	0.005	0.006	0.007	0.008	0.010	0.011	0.012	0.013	0.014	0.015	0.015	0.016	0.017	0.018	0.019	0.019	0.020	0.021	0.021	0.022	22.2%
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	0.000	0.000	0.000	N/A
Electricity Imports 17/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	14.636	14.646	15.022	15.356	15.629	15.857	15.987	16.077	16.135	16.365	16.511	16.852	17.019	17.124	17.350	17.430	17.552	17.605	17.686	17.819	17.957	18.138	18.286	18.499	1.0%
Energy Use & Related Statistics																									
Delivered Energy Use	10.240	10.317	10.562	10.853	11.071	11.274	11.454	11.645	11.858	12.072	12.284	12.497	12.697	12.906	13.081	13.263	13.420	13.602	13.784	13.937	14.092	14.252	14.408	14.566	1.5%
Total Energy Use	14.636	14.646	15.022	15.356	15.629	15.857	15.987	16.077	16.135	16.365	16.511	16.852	17.019	17.124	17.350	17.430	17.552	17.605	17.686	17.819	17.957	18.138	18.286	18.499	1.0%
Population (millions)	48.351	48.959	49.542	50.117	50.716	51.320	51.933	52.551	53.169	53.786	54.408	55.043	55.690	56.349	57.018	57.701	58.393	59.092	59.793	60.498	61.209	61.925	62.646	63.370	1.2%
US GDP (billion 1992 dollars)	7270	7516	7636	7830	7996	8173	8362	8549	8769	8991	9219	9443	9666	9896	10070	10249	10417	10599	10800	10976	11149	11324	11507	11680	2.1%
Total Carbon Emissions (million metric tons)	1480	1506	1552	1585	1613	1630	1646	1659	1678	1703	1725	1750	1771	1790	1811	1828	1847	1867	1890	1907	1927	1944	1959	1975	1.3%

Table 5. Energy Consumption by Sector and Source (05 - South Atlantic)

1/ Includes wood used for residential heating. See Table 18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water 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 18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.

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 for cogeneration, both for sale to the grid and for own use.

8/ Low sulfur diesel fuel.

9/ Includes naphtha and kerosene type.

10/ Includes aviation gas and lubricants.

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

12/ M85 is 85 percent methanol and 15 percent motor gasoline.

13/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.

14/ 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 and solar thermal hot water heaters.

15/ 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.

16/ 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.

17/ In 1997 approximately two-thirds of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions.

18/ 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 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. Figures for 1997 may differ from published data due to internal conversion factors. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.

Sources: 1997 electric utility fuel consumption: Energy Information Administration (EIA), Electric Power Annual 1997, Volume 1, DOE/EIA-0348(97)/1 (Washington, DC, July 1998). 1997 nonutility consumption estimates: Form EIA-867, "Annual Nonutility Power Producer Report." Other 1997 values: EIA Short-Term Energy Outlook, September 1998. Online <http://www.eia.doe.gov/emeu/steo/pub/upd/sep98/contents.html> (October 15, 1998). Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 6. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 06 - East South Central																							1997- 2020		
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Electric Generators 15/																									
Distillate Fuel	0.006	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	0.005	0.005	0.005	0.005	0.005	0.005	-1.2%	
Residual Fuel	0.026	0.034	0.033	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-25.7%	
Petroleum Subtotal	0.032	0.038	0.038	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	0.005	0.005	0.005	-8.0%	
Natural Gas	0.089	0.113	0.115	0.187	0.205	0.197	0.266	0.317	0.419	0.470	0.556	0.585	0.692	0.811	0.888	1.024	1.087	1.219	1.317	1.332	1.402	1.485	1.506	1.525	13.1%
Steam Coal	2.314	2.475	2.531	2.560	2.569	2.580	2.584	2.583	2.586	2.604	2.605	2.614	2.616	2.621	2.627	2.625	2.643	2.608	2.611	2.620	2.621	2.582	2.580	2.582	0.5%
Nuclear Power	0.583	0.608	0.627	0.633	0.636	0.639	0.642	0.646	0.647	0.648	0.647	0.645	0.644	0.614	0.526	0.465	0.463	0.435	0.383	0.356	0.285	0.244	0.243	0.242	-3.8%
Renewable Energy 16/	0.288	0.267	0.248	0.265	0.265	0.265	0.265	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	0.266	-0.3%
Electricity Imports 17/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	3.307	3.502	3.558	3.650	3.680	3.686	3.763	3.816	3.923	3.992	4.078	4.115	4.223	4.317	4.312	4.385	4.464	4.533	4.582	4.579	4.580	4.582	4.599	4.620	1.5%
Total Energy Consumption																									
Distillate Fuel	0.581	0.604	0.613	0.622	0.633	0.642	0.650	0.657	0.667	0.675	0.682	0.689	0.695	0.702	0.706	0.711	0.716	0.722	0.730	0.734	0.738	0.743	0.747	0.751	1.1%
Kerosene	0.010	0.010	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	-0.3%
Jet Fuel 9/	0.155	0.153	0.157	0.176	0.180	0.184	0.189	0.194	0.199	0.205	0.211	0.218	0.224	0.229	0.234	0.238	0.243	0.248	0.252	0.258	0.262	0.267	0.271	0.275	2.5%
Liquefied Petroleum Gas	0.082	0.081	0.083	0.084	0.086	0.088	0.090	0.091	0.093	0.095	0.097	0.099	0.100	0.101	0.102	0.103	0.104	0.104	0.105	0.106	0.106	0.106	0.106	0.107	1.2%
Motor Gasoline 2/	1.091	1.114	1.130	1.160	1.180	1.198	1.215	1.229	1.246	1.260	1.275	1.286	1.298	1.309	1.314	1.317	1.321	1.326	1.331	1.335	1.340	1.344	1.349	1.353	0.9%
Petrochemical Feedstocks	0.120	0.118	0.120	0.121	0.122	0.122	0.121	0.120	0.119	0.121	0.123	0.124	0.125	0.127	0.128	0.129	0.130	0.131	0.133	0.134	0.135	0.137	0.138	0.139	0.6%
Residual Fuel	0.058	0.060	0.063	0.032	0.032	0.032	0.033	0.034	0.035	0.036	0.037	0.037	0.038	0.039	0.040	0.041	0.042	0.043	0.044	0.045	0.045	0.046	0.047	0.048	-0.8%
Other Petroleum 13/	0.319	0.320	0.324	0.338	0.342	0.348	0.349	0.355	0.360	0.364	0.367	0.372	0.375	0.380	0.382	0.385	0.386	0.389	0.393	0.394	0.397	0.400	0.402	0.404	1.0%
Petroleum Subtotal	2.415	2.460	2.498	2.544	2.584	2.623	2.655	2.689	2.728	2.765	2.799	2.834	2.865	2.897	2.915	2.934	2.950	2.973	2.998	3.013	3.032	3.051	3.069	3.086	1.1%
Natural Gas	1.091	1.082	1.128	1.217	1.250	1.255	1.337	1.398	1.514	1.579	1.682	1.723	1.847	1.983	2.071	2.221	2.292	2.441	2.540	2.561	2.642	2.736	2.762	2.785	4.2%
Metallurgical Coal	0.112	0.109	0.112	0.110	0.108	0.106	0.104	0.101	0.099	0.096	0.094	0.092	0.090	0.088	0.086	0.084	0.083	0.081	0.080	0.078	0.077	0.076	0.074	0.073	-1.8%
Steam Coal	2.549	2.708	2.769	2.796	2.809	2.822	2.828	2.826	2.832	2.854	2.859	2.870	2.875	2.882	2.890	2.911	2.880	2.886	2.890	2.900	2.904	2.867	2.867	2.871	0.5%
Net Coal Coke Imports	0.004	0.022	0.021	0.024	0.027	0.030	0.033	0.035	0.037	0.040	0.042	0.043	0.044	0.045	0.046	0.048	0.050	0.053	0.055	0.057	0.059	0.060	0.062	0.063	12.7%
Coal Subtotal	2.665	2.839	2.902	2.930	2.945	2.958	2.964	2.962	2.967	2.990	2.995	3.005	3.009	3.014	3.022	3.023	3.044	3.014	3.021	3.035	3.040	3.003	3.003	3.007	0.5%
Nuclear Power	0.583	0.608	0.627	0.633	0.636	0.639	0.642	0.646	0.647	0.648	0.647	0.645	0.644	0.614	0.526	0.465	0.463	0.435	0.383	0.356	0.285	0.244	0.243	0.242	-3.8%
Renewable Energy 18/	0.547	0.524	0.510	0.531	0.535	0.538	0.541	0.544	0.549	0.554	0.558	0.562	0.567	0.571	0.575	0.578	0.581	0.585	0.589	0.593	0.595	0.598	0.601	0.603	0.4%
M85 12/	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	21.5%
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	0.000	0.000	0.000	N/A
Electricity Imports 17/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	7.300	7.513	7.665	7.856	7.951	8.016	8.141	8.241	8.409	8.538	8.684	8.773	8.935	9.084	9.114	9.226	9.336	9.453	9.537	9.564	9.599	9.639	9.684	9.729	1.3%
Energy Use & Related Statistics																									
Delivered Energy Use	4.928	4.961	5.073	5.186	5.271	5.344	5.401	5.458	5.533	5.609	5.685	5.753	5.820	5.888	5.941	5.997	6.042	6.107	6.159	6.202	6.251	6.302	6.342	6.380	1.1%
Total Energy Use	7.300	7.513	7.665	7.856	7.951	8.016	8.141	8.241	8.409	8.538	8.684	8.773	8.935	9.084	9.114	9.226	9.336	9.453	9.537	9.564	9.599	9.639	9.684	9.729	1.3%
Population (millions)	16.358	16.477	16.564	16.642	16.722	16.801	16.883	16.964	17.045	17.125	17.205	17.288	17.370	17.453	17.537	17.627	17.720	17.815	17.909	18.001	18.092	18.180	18.268	18.355	0.5%
US GDP (billion 1992 dollars)	7270	7516	7636	7830	7996	8173	8362	8549	8769	8991	9219	9443	9666	9896	10070	10249	10417	10599	10800	10976	11149	11324	11507	11680	2.1%
Total Carbon Emission (million metric tons)	1480	1506	1552	1585	1613	1630	1646	1659	1678	1703	1725	1750	1771	1790	1811	1828	1847	1867	1890	1907	1927	1944	1959	1975	1.3%

Table 6. Energy Consumption by Sector and Source (06 - East South Central) Notes

1/ Includes wood used for residential heating. See Table 18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water 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 18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.

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 for cogeneration, both for sale to the grid and for own use.

8/ Low sulfur diesel fuel.

9/ Includes naphtha and kerosene type.

10/ Includes aviation gas and lubricants.

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

12/ M85 is 85 percent methanol and 15 percent motor gasoline.

13/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.

14/ 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 and solar thermal hot water heaters.

15/ 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.

16/ 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.

17/ In 1997 approximately two-thirds of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions.

18/ 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 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. Figures for 1997 may differ from published data due to internal conversion factors. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.

Sources: 1997 electric utility fuel consumption: Energy Information Administration (EIA), Electric Power Annual 1997, Volume 1, DOE/EIA-0348(97)/1 (Washington, DC, July 1998). 1997 nonutility consumption estimates: Form EIA-867, "Annual Nonutility Power Producer Report." Other 1997 values: EIA Short-Term Energy Outlook, September 1998. Online <http://www.eia.doe.gov/emeu/steo/pub/upd/sep98/contents.html> (October 15, 1998). Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 7. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 07 - West South Central																							1997-		
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	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	0.000	0.000	0.000	-4.6%
Kerosene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-0.2%
Liquefied Petroleum Gas	0.031	0.031	0.031	0.031	0.030	0.029	0.028	0.027	0.026	0.025	0.024	0.024	0.023	0.022	0.022	0.022	0.022	0.022	0.022	0.021	0.021	0.021	0.021	0.021	-1.8%
Petroleum Subtotal	0.032	0.031	0.032	0.031	0.030	0.029	0.029	0.028	0.027	0.026	0.025	0.024	0.023	0.023	0.022	0.022	0.022	0.022	0.022	0.022	0.021	0.021	0.021	0.021	-1.8%
Natural Gas	0.420	0.387	0.423	0.425	0.424	0.426	0.427	0.430	0.430	0.431	0.433	0.436	0.436	0.438	0.442	0.448	0.452	0.456	0.459	0.463	0.465	0.468	0.472	0.477	0.6%
Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-2.2%
Renewable Energy 1/ Electricity	0.032	0.028	0.031	0.031	0.032	0.032	0.032	0.033	0.033	0.033	0.034	0.034	0.034	0.035	0.035	0.035	0.036	0.036	0.036	0.037	0.037	0.037	0.037	0.038	0.7%
Delivered Energy	0.508	0.525	0.540	0.557	0.572	0.579	0.584	0.590	0.595	0.602	0.610	0.621	0.627	0.636	0.650	0.664	0.675	0.687	0.699	0.712	0.720	0.731	0.742	0.756	1.7%
Electricity Related Losses	0.992	0.971	1.026	1.044	1.058	1.066	1.072	1.081	1.085	1.092	1.101	1.114	1.121	1.131	1.150	1.171	1.184	1.201	1.216	1.234	1.244	1.258	1.273	1.293	1.2%
Total	1.098	1.086	1.105	1.127	1.166	1.176	1.169	1.143	1.138	1.138	1.140	1.153	1.153	1.159	1.179	1.191	1.197	1.209	1.213	1.215	1.214	1.199	1.205	1.204	0.8%
Commercial																									
Distillate Fuel	0.018	0.014	0.014	0.014	0.014	0.014	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	-1.7%
Residual Fuel	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.3%
Kerosene	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.2%
Liquefied Petroleum Gas	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	1.1%
Motor Gasoline 2/ Petroleum Subtotal	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-0.3%
Natural Gas	0.025	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	-0.9%
Coal	0.339	0.324	0.355	0.359	0.363	0.368	0.372	0.377	0.381	0.384	0.389	0.393	0.398	0.402	0.406	0.411	0.414	0.418	0.420	0.422	0.424	0.425	0.427	0.428	1.0%
Renewable Energy 3/ Electricity	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Delivered Energy	0.430	0.444	0.453	0.460	0.467	0.474	0.480	0.485	0.491	0.497	0.505	0.514	0.522	0.531	0.542	0.552	0.562	0.570	0.577	0.584	0.590	0.595	0.600	0.604	1.5%
Electricity Related Losses	0.795	0.789	0.829	0.841	0.852	0.863	0.873	0.883	0.893	0.903	0.915	0.928	0.941	0.954	0.970	0.984	0.997	1.009	1.018	1.027	1.035	1.042	1.048	1.053	1.2%
Total	0.929	0.919	0.925	0.932	0.952	0.962	0.960	0.940	0.939	0.940	0.943	0.954	0.960	0.967	0.984	0.990	0.997	1.003	1.001	0.997	0.995	0.988	0.969	0.963	0.2%
Industrial 4/																									
Distillate Fuel	0.198	0.194	0.198	0.201	0.204	0.208	0.211	0.216	0.221	0.223	0.226	0.229	0.232	0.235	0.237	0.240	0.242	0.245	0.248	0.249	0.251	0.254	0.256	0.258	1.2%
Liquefied Petroleum Gas	1.668	1.644	1.669	1.696	1.726	1.755	1.765	1.781	1.810	1.836	1.862	1.890	1.913	1.935	1.952	1.973	1.988	2.010	2.036	2.052	2.067	2.088	2.101	2.117	1.0%
Petrochemical Feedstocks	0.744	0.731	0.743	0.751	0.758	0.757	0.747	0.740	0.738	0.749	0.759	0.767	0.775	0.784	0.790	0.799	0.805	0.813	0.822	0.829	0.837	0.846	0.851	0.858	0.6%
Residual Fuel	0.017	0.016	0.016	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.021	0.020	0.020	0.022	0.022	0.022	0.022	0.023	0.021	0.022	1.0%
Motor Gasoline 2/ Other Petroleum 5/ Petroleum Subtotal	0.035	0.035	0.035	0.036	0.037	0.038	0.039	0.040	0.041	0.042	0.042	0.043	0.044	0.044	0.045	0.045	0.046	0.046	0.047	0.048	0.048	0.049	0.049	0.050	1.5%
Natural Gas 6/ Metallurgical Coal	1.270	1.282	1.292	1.383	1.393	1.413	1.400	1.405	1.419	1.427	1.437	1.448	1.460	1.469	1.461	1.457	1.453	1.451	1.460	1.455	1.451	1.455	1.448	1.450	0.6%
Steam Coal	3.932	3.902	3.954	4.086	4.137	4.190	4.181	4.201	4.248	4.296	4.346	4.396	4.443	4.487	4.507	4.534	4.554	4.587	4.635	4.656	4.677	4.713	4.726	4.757	0.8%
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	0.000	0.000	0.000	N/A
Coal Subtotal	0.061	0.061	0.063	0.062	0.063	0.063	0.063	0.064	0.065	0.066	0.067	0.067	0.067	0.068	0.069	0.069	0.070	0.071	0.072	0.073	0.074	0.074	0.075	0.075	0.9%
Renewable Energy 7/ Electricity	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	N/A
Delivered Energy	0.197	0.203	0.205	0.209	0.213	0.216	0.218	0.221	0.226	0.231	0.236	0.240	0.245	0.249	0.252	0.256	0.259	0.263	0.267	0.270	0.273	0.276	0.279	0.282	1.6%
Electricity Related Losses	0.495	0.498	0.500	0.522	0.533	0.542	0.544	0.548	0.557	0.569	0.580	0.587	0.594	0.601	0.607	0.613	0.619	0.626	0.636	0.640	0.647	0.653	0.658	0.662	1.3%
Total	8.739	8.647	8.783	8.963	9.098	9.211	9.253	9.303	9.403	9.516	9.636	9.710	9.811	9.902	9.968	10.048	10.111	10.194	10.285	10.345	10.410	10.483	10.531	10.592	0.8%
Electricity Related Losses	1.070	1.030	1.023	1.056	1.087	1.101	1.089	1.060	1.065	1.076	1.083	1.090	1.092	1.096	1.101	1.100	1.098	1.103	1.103	1.092	1.091	1.085	1.063	1.055	-0.1%
Total	9.809	9.678	9.806	10.018	10.185	10.312	10.341	10.363	10.467	10.591	10.719	10.800	10.903	10.998	11.069	11.147	11.209	11.296	11.388	11.437	11.501	11.568	11.594	11.647	0.7%

Table 7. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 07 - West South Central																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Transportation																									
Distillate Fuel 8/	0.713	0.764	0.774	0.792	0.811	0.826	0.842	0.857	0.874	0.891	0.907	0.921	0.936	0.950	0.961	0.973	0.983	0.997	1.011	1.021	1.032	1.043	1.054	1.064	1.8%
Jet Fuel 9/	0.709	0.703	0.722	0.821	0.841	0.869	0.895	0.926	0.958	0.994	1.028	1.067	1.103	1.137	1.166	1.198	1.225	1.258	1.287	1.319	1.348	1.381	1.410	1.438	3.1%
Motor Gasoline 2/	1.769	1.807	1.833	1.890	1.932	1.971	2.010	2.045	2.084	2.121	2.158	2.191	2.224	2.257	2.278	2.298	2.318	2.339	2.360	2.378	2.401	2.421	2.443	2.464	1.5%
Residual Fuel	0.220	0.179	0.213	0.220	0.226	0.234	0.242	0.249	0.258	0.267	0.276	0.285	0.295	0.305	0.314	0.322	0.331	0.339	0.349	0.358	0.366	0.375	0.384	0.394	2.6%
Liquefied Petroleum Gas	0.005	0.005	0.006	0.007	0.008	0.009	0.010	0.012	0.014	0.016	0.017	0.018	0.019	0.020	0.021	0.022	0.022	0.023	0.024	0.024	0.025	0.025	0.026	0.026	7.7%
Other Petroleum 10/	0.044	0.046	0.046	0.047	0.048	0.048	0.049	0.049	0.050	0.051	0.052	0.052	0.053	0.054	0.055	0.055	0.056	0.056	0.057	0.057	0.058	0.058	0.058	0.059	1.2%
Petroleum Subtotal	3.460	3.504	3.593	3.776	3.866	3.957	4.048	4.138	4.239	4.340	4.438	4.535	4.629	4.723	4.795	4.867	4.934	5.012	5.087	5.157	5.229	5.304	5.375	5.443	2.0%
Pipeline Fuel Natural Gas	0.195	0.200	0.196	0.196	0.200	0.203	0.207	0.208	0.214	0.217	0.221	0.222	0.225	0.228	0.230	0.232	0.234	0.236	0.237	0.239	0.240	0.239	0.239	0.238	0.9%
Compressed Natural Gas	0.002	0.003	0.004	0.007	0.009	0.012	0.015	0.018	0.020	0.022	0.024	0.026	0.027	0.029	0.031	0.032	0.033	0.034	0.035	0.036	0.037	0.038	0.039	0.040	15.2%
Renewables (E85) 11/	0.000	0.000	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.004	0.004	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.009	24.3%
M85 12/	0.000	0.001	0.001	0.002	0.003	0.003	0.004	0.005	0.006	0.006	0.007	0.007	0.008	0.009	0.009	0.010	0.010	0.010	0.011	0.011	0.012	0.012	0.012	0.012	22.1%
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	0.000	0.000	0.000	N/A
Electricity	0.007	0.007	0.007	0.007	0.007	0.007	0.009	0.010	0.012	0.013	0.014	0.015	0.016	0.017	0.018	0.019	0.020	0.021	0.021	0.022	0.023	0.024	0.025	0.026	6.1%
Delivered Energy	3.663	3.715	3.802	3.988	4.087	4.185	4.286	4.383	4.493	4.602	4.708	4.810	4.911	5.011	5.089	5.167	5.238	5.320	5.400	5.474	5.549	5.626	5.698	5.768	2.0%
Electricity Related Losses	0.014	0.014	0.014	0.014	0.014	0.015	0.018	0.020	0.022	0.024	0.026	0.028	0.029	0.031	0.033	0.034	0.035	0.036	0.037	0.038	0.039	0.040	0.040	0.041	4.7%
Total	3.677	3.728	3.816	4.002	4.101	4.200	4.303	4.403	4.515	4.626	4.734	4.838	4.940	5.043	5.121	5.201	5.273	5.357	5.437	5.513	5.588	5.666	5.739	5.809	2.0%
Delivered Energy Consumption All Sectors																									
Distillate Fuel	0.929	0.972	0.986	1.007	1.029	1.048	1.067	1.086	1.108	1.128	1.146	1.163	1.180	1.198	1.211	1.226	1.238	1.254	1.272	1.283	1.296	1.309	1.323	1.334	1.6%
Kerosene	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	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/	0.709	0.703	0.722	0.821	0.841	0.869	0.895	0.926	0.958	0.994	1.028	1.067	1.103	1.137	1.166	1.198	1.225	1.258	1.287	1.319	1.348	1.381	1.410	1.438	3.1%
Liquefied Petroleum Gas	1.708	1.684	1.711	1.738	1.769	1.798	1.808	1.826	1.855	1.882	1.909	1.937	1.960	1.983	2.001	2.022	2.038	2.060	2.086	2.104	2.119	2.140	2.153	2.170	1.0%
Motor Gasoline 2/	1.806	1.844	1.870	1.928	1.971	2.011	2.051	2.087	2.127	2.165	2.202	2.236	2.269	2.304	2.325	2.345	2.366	2.388	2.409	2.428	2.451	2.472	2.494	2.515	1.5%
Petrochemical Feedstocks	0.744	0.731	0.743	0.751	0.758	0.757	0.747	0.740	0.738	0.749	0.759	0.767	0.775	0.784	0.790	0.799	0.805	0.813	0.822	0.829	0.837	0.846	0.851	0.858	0.6%
Residual Fuel	0.238	0.195	0.229	0.238	0.245	0.252	0.261	0.268	0.277	0.286	0.295	0.305	0.314	0.325	0.335	0.343	0.351	0.361	0.371	0.380	0.389	0.398	0.406	0.417	2.5%
Other Petroleum 13/	1.312	1.326	1.337	1.428	1.439	1.459	1.446	1.452	1.467	1.476	1.486	1.499	1.511	1.521	1.513	1.510	1.506	1.505	1.515	1.510	1.506	1.510	1.504	1.507	0.6%
Petroleum Subtotal	7.449	7.458	7.600	7.914	8.054	8.197	8.278	8.388	8.534	8.683	8.829	8.976	9.116	9.253	9.345	9.445	9.532	9.642	9.766	9.856	9.948	10.060	10.144	10.241	1.4%
Natural Gas 6/	5.009	4.898	5.039	5.071	5.150	5.209	5.267	5.303	5.352	5.408	5.474	5.497	5.547	5.594	5.642	5.698	5.741	5.790	5.827	5.868	5.905	5.938	5.969	5.997	0.8%
Metallurgical Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.062	0.061	0.063	0.062	0.063	0.064	0.064	0.064	0.064	0.066	0.067	0.067	0.068	0.068	0.069	0.069	0.070	0.071	0.072	0.073	0.074	0.075	0.075	0.076	0.9%
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	0.000	0.000	0.000	N/A
Coal Subtotal	0.062	0.061	0.063	0.062	0.063	0.064	0.064	0.064	0.064	0.066	0.067	0.067	0.068	0.068	0.069	0.069	0.070	0.071	0.072	0.073	0.074	0.075	0.075	0.076	0.9%
Renewable Energy 14/	0.229	0.231	0.236	0.241	0.246	0.250	0.253	0.257	0.262	0.268	0.273	0.279	0.284	0.289	0.294	0.298	0.302	0.306	0.311	0.314	0.318	0.322	0.325	0.329	1.6%
M85 12/	0.000	0.001	0.001	0.002	0.003	0.003	0.004	0.005	0.006	0.006	0.007	0.007	0.008	0.009	0.009	0.010	0.010	0.010	0.011	0.011	0.012	0.012	0.012	0.012	22.1%
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	0.000	0.000	0.000	N/A
Electricity	1.441	1.473	1.500	1.546	1.579	1.602	1.617	1.634	1.655	1.682	1.709	1.736	1.760	1.786	1.818	1.849	1.875	1.904	1.932	1.958	1.980	2.004	2.025	2.049	1.5%
Delivered Energy	14.189	14.121	14.440	14.837	15.096	15.325	15.484	15.650	15.873	16.113	16.359	16.562	16.784	16.999	17.177	17.369	17.530	17.724	17.919	18.080	18.238	18.409	18.550	18.705	1.2%
Electricity Related Losses	3.112	3.049	3.066	3.129	3.219	3.253	3.235	3.163	3.163	3.178	3.192	3.224	3.234	3.254	3.296	3.314	3.327	3.352	3.354	3.342	3.339	3.327	3.272	3.264	0.2%
Total	17.301	17.170	17.506	17.965	18.314	18.578	18.719	18.813	19.037	19.291	19.552	19.787	20.018	20.252	20.473	20.684	20.857	21.076	21.273	21.423	21.577	21.736	21.822	21.969	1.0%

Table 7. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 07 - West South Central																								1997- 2020	
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Electric Generators 15/																									
Distillate Fuel	0.000	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	0.003	9.2%	
Residual Fuel	0.010	0.100	0.097	0.084	0.073	0.036	0.010	0.005	0.003	0.002	0.000	0.003	0.001	0.002	0.003	0.004	0.004	0.006	0.007	0.003	0.003	0.003	0.003	-5.2%	
Petroleum Subtotal	0.010	0.102	0.100	0.087	0.076	0.039	0.012	0.007	0.005	0.005	0.003	0.005	0.003	0.005	0.006	0.007	0.007	0.008	0.010	0.005	0.006	0.006	0.006	-2.6%	
Natural Gas	1.527	1.259	1.282	1.327	1.443	1.526	1.546	1.494	1.514	1.554	1.597	1.653	1.688	1.731	1.801	1.847	1.882	1.961	2.041	2.101	2.110	2.131	2.124	2.124	1.4%
Steam Coal	2.262	2.379	2.393	2.452	2.461	2.463	2.464	2.465	2.466	2.467	2.468	2.469	2.470	2.470	2.470	2.470	2.470	2.471	2.471	2.473	2.476	2.482	2.489	2.498	0.4%
Nuclear Power	0.597	0.626	0.646	0.654	0.662	0.669	0.671	0.673	0.673	0.674	0.673	0.673	0.672	0.671	0.670	0.669	0.668	0.636	0.580	0.530	0.530	0.508	0.467	0.467	-1.1%
Renewable Energy 16/	0.158	0.157	0.149	0.158	0.160	0.162	0.162	0.163	0.163	0.164	0.166	0.167	0.168	0.170	0.174	0.178	0.182	0.187	0.191	0.197	0.204	0.211	0.219	0.226	1.6%
Electricity Imports 17/	-0.002	-0.003	-0.003	-0.003	-0.003	-0.004	-0.004	-0.004	-0.005	-0.005	-0.005	-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	5.2%
Total	4.552	4.521	4.567	4.675	4.798	4.855	4.852	4.797	4.818	4.860	4.902	4.960	4.994	5.039	5.114	5.164	5.203	5.256	5.287	5.300	5.319	5.331	5.297	5.313	0.7%
Total Energy Consumption																									
Distillate Fuel	0.929	0.975	0.989	1.010	1.032	1.051	1.070	1.089	1.111	1.130	1.148	1.166	1.183	1.201	1.214	1.228	1.241	1.257	1.275	1.286	1.299	1.312	1.326	1.337	1.6%
Kerosene	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	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/	0.709	0.703	0.722	0.821	0.841	0.869	0.895	0.926	0.958	0.994	1.028	1.067	1.103	1.137	1.166	1.198	1.225	1.258	1.287	1.319	1.348	1.381	1.410	1.438	3.1%
Liquefied Petroleum Gas	1.708	1.684	1.711	1.738	1.769	1.798	1.808	1.826	1.855	1.882	1.909	1.937	1.960	1.983	2.001	2.022	2.038	2.060	2.086	2.104	2.119	2.140	2.153	2.170	1.0%
Motor Gasoline 2/	1.806	1.844	1.870	1.928	1.971	2.011	2.051	2.087	2.127	2.165	2.202	2.236	2.269	2.304	2.325	2.345	2.366	2.388	2.409	2.428	2.451	2.472	2.494	2.515	1.5%
Petrochemical Feedstocks	0.744	0.731	0.743	0.751	0.758	0.757	0.747	0.740	0.738	0.749	0.759	0.767	0.775	0.784	0.790	0.799	0.805	0.813	0.822	0.829	0.837	0.846	0.851	0.858	0.6%
Residual Fuel	0.247	0.295	0.326	0.322	0.318	0.288	0.270	0.273	0.280	0.288	0.295	0.307	0.315	0.327	0.338	0.347	0.355	0.367	0.378	0.382	0.392	0.401	0.409	0.419	2.3%
Other Petroleum 13/	1.312	1.326	1.337	1.428	1.439	1.459	1.446	1.452	1.476	1.486	1.499	1.511	1.521	1.513	1.510	1.506	1.505	1.515	1.515	1.510	1.506	1.510	1.504	1.507	0.6%
Petroleum Subtotal	7.459	7.560	7.700	8.001	8.130	8.236	8.290	8.395	8.539	8.688	8.832	8.981	9.119	9.258	9.351	9.452	9.539	9.650	9.775	9.861	9.954	10.066	10.149	10.247	1.4%
Natural Gas	6.536	6.157	6.321	6.398	6.593	6.735	6.814	6.796	6.867	6.963	7.071	7.150	7.235	7.324	7.444	7.545	7.623	7.751	7.868	7.969	8.016	8.069	8.093	8.121	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	0.000	0.000	0.000	N/A
Steam Coal	2.324	2.441	2.456	2.514	2.524	2.526	2.528	2.529	2.531	2.533	2.535	2.536	2.537	2.538	2.539	2.539	2.540	2.542	2.544	2.547	2.550	2.556	2.564	2.574	0.4%
Net Coal Coke Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	2.324	2.441	2.456	2.514	2.524	2.526	2.528	2.529	2.531	2.533	2.535	2.536	2.537	2.538	2.539	2.539	2.540	2.542	2.544	2.547	2.550	2.556	2.564	2.574	0.4%
Nuclear Power	0.597	0.626	0.646	0.654	0.662	0.669	0.671	0.673	0.673	0.674	0.673	0.673	0.672	0.671	0.670	0.669	0.668	0.636	0.580	0.530	0.530	0.508	0.467	0.467	-1.1%
Renewable Energy 18/	0.387	0.387	0.386	0.400	0.406	0.412	0.415	0.419	0.425	0.432	0.439	0.445	0.452	0.459	0.467	0.476	0.483	0.493	0.502	0.512	0.522	0.533	0.544	0.554	1.6%
M85 12/	0.000	0.001	0.001	0.002	0.003	0.003	0.004	0.005	0.006	0.006	0.007	0.007	0.008	0.009	0.009	0.010	0.010	0.010	0.011	0.011	0.012	0.012	0.012	0.012	22.1%
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	0.000	0.000	0.000	N/A
Electricity Imports 17/	-0.002	-0.003	-0.003	-0.003	-0.003	-0.004	-0.004	-0.004	-0.005	-0.005	-0.005	-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	5.2%
Total	17.301	17.170	17.506	17.965	18.314	18.578	18.719	18.813	19.037	19.291	19.552	19.787	20.018	20.252	20.473	20.684	20.857	21.076	21.273	21.423	21.577	21.736	21.822	21.968	1.0%
Energy Use & Related Statistics																									
Delivered Energy Use	14.189	14.121	14.440	14.837	15.096	15.325	15.484	15.650	15.873	16.113	16.359	16.562	16.784	16.999	17.177	17.369	17.530	17.724	17.919	18.080	18.238	18.409	18.550	18.705	1.2%
Total Energy Use	17.301	17.170	17.506	17.965	18.314	18.578	18.719	18.813	19.037	19.291	19.552	19.787	20.018	20.252	20.473	20.684	20.857	21.076	21.273	21.423	21.577	21.736	21.822	21.969	1.0%
Population (millions)	29.708	30.074	30.392	30.699	31.019	31.350	31.694	32.050	32.413	32.774	33.133	33.497	33.869	34.248	34.633	35.022	35.413	35.805	36.194	36.579	36.965	37.356	37.748	38.140	1.1%
US GDP (billion 1992 dollars)	7270	7516	7636	7830	7996	8173	8362	8549	8769	8991	9219	9443	9666	9896	10070	10249	10417	10599	10800	10976	11149	11324	11507	11680	2.1%
Total Carbon Emissions (million metric ton)	1480	1506	1552	1585	1613	1630	1646	1659	1678	1703	1725	1750	1771	1790	1811	1828	1847	1867	1890	1907	1927	1944	1959	1975	1.3%

Table 7. Energy Consumption by Sector and Source (07 - West South Central) Notes

1/ Includes wood used for residential heating. See Table 18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water 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 18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.

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 for cogeneration, both for sale to the grid and for own use.

8/ Low sulfur diesel fuel.

9/ Includes naphtha and kerosene type.

10/ Includes aviation gas and lubricants.

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

12/ M85 is 85 percent methanol and 15 percent motor gasoline.

13/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.

14/ 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 and solar thermal hot water heaters.

15/ 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.

16/ 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.

17/ In 1997 approximately two-thirds of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions.

18/ 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 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. Figures for 1997 may differ from published data due to internal conversion factors. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.

Sources: 1997 electric utility fuel consumption: Energy Information Administration (EIA), Electric Power Annual 1997, Volume 1, DOE/EIA-0348(97)/1 (Washington, DC, July 1998). 1997 nonutility consumption estimates: Form EIA-867, "Annual Nonutility Power Producer Report." Other 1997 values: EIA Short-Term Energy Outlook, September 1998. Online <http://www.eia.doe.gov/emeu/steo/pub/upd/sep98/contents.html> (October 15, 1998). Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 8. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 08 - Mountain																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Transportation																									
Distillate Fuel 8/	0.341	0.366	0.371	0.388	0.407	0.420	0.432	0.441	0.453	0.464	0.474	0.484	0.496	0.507	0.517	0.529	0.539	0.551	0.564	0.575	0.587	0.599	0.610	0.621	2.6%
Jet Fuel 9/	0.197	0.195	0.201	0.227	0.235	0.243	0.252	0.261	0.270	0.281	0.291	0.303	0.314	0.325	0.335	0.346	0.355	0.366	0.377	0.389	0.399	0.411	0.422	0.433	3.5%
Motor Gasoline 2/	0.954	0.975	0.989	1.044	1.086	1.124	1.157	1.185	1.214	1.241	1.269	1.296	1.324	1.354	1.377	1.400	1.424	1.448	1.473	1.497	1.525	1.551	1.578	1.604	2.3%
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	0.000	0.000	0.000	N/A
Liquefied Petroleum Gas	0.003	0.003	0.004	0.004	0.005	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	0.016	0.017	0.017	0.018	0.018	0.018	8.3%
Other Petroleum 10/	0.020	0.021	0.022	0.023	0.024	0.024	0.025	0.025	0.026	0.027	0.027	0.028	0.028	0.029	0.030	0.030	0.031	0.031	0.032	0.033	0.033	0.034	0.034	0.035	2.5%
Petroleum Subtotal	1.516	1.561	1.586	1.685	1.757	1.817	1.872	1.920	1.972	2.022	2.072	2.122	2.174	2.228	2.273	2.319	2.363	2.413	2.463	2.511	2.561	2.612	2.662	2.711	2.6%
Pipeline Fuel Natural Gas	0.079	0.089	0.095	0.097	0.103	0.105	0.111	0.112	0.113	0.113	0.113	0.114	0.115	0.115	0.117	0.119	0.121	0.125	0.129	0.133	0.137	0.141	0.143	0.143	2.6%
Compressed Natural Gas	0.001	0.002	0.003	0.004	0.006	0.008	0.009	0.011	0.013	0.014	0.016	0.017	0.019	0.020	0.021	0.023	0.024	0.025	0.026	0.028	0.029	0.030	0.031	0.031	16.2%
Renewables (E85) 11/	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005	0.005	0.006	0.006	25.5%
M85 12/	0.000	0.000	0.001	0.001	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.007	0.008	0.008	0.009	0.009	23.3%
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	0.000	0.000	0.000	N/A
Electricity	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.006	0.007	0.008	0.009	0.009	0.010	0.011	0.011	0.012	0.013	0.013	0.014	0.015	0.015	0.016	0.017	0.017	7.1%
Delivered Energy	1.600	1.656	1.689	1.792	1.871	1.937	2.002	2.055	2.110	2.164	2.217	2.271	2.326	2.384	2.432	2.483	2.532	2.588	2.645	2.699	2.755	2.812	2.866	2.917	2.6%
Electricity Related Losses	0.012	0.014	0.015	0.015	0.015	0.015	0.018	0.021	0.023	0.025	0.028	0.030	0.032	0.034	0.036	0.038	0.040	0.042	0.044	0.046	0.047	0.049	0.052	0.054	6.6%
Total	1.612	1.669	1.703	1.807	1.886	1.952	2.019	2.075	2.133	2.189	2.245	2.300	2.358	2.418	2.468	2.521	2.572	2.630	2.688	2.744	2.803	2.862	2.918	2.971	2.7%
Delivered Energy Consumption All Sectors																									
Distillate Fuel	0.486	0.503	0.510	0.530	0.553	0.568	0.583	0.595	0.609	0.622	0.634	0.646	0.659	0.673	0.685	0.697	0.709	0.724	0.739	0.751	0.764	0.778	0.791	0.803	2.2%
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	0.001	0.001	0.001	1.0%
Jet Fuel 9/	0.197	0.195	0.201	0.227	0.235	0.243	0.252	0.261	0.270	0.281	0.291	0.303	0.314	0.325	0.335	0.346	0.355	0.366	0.377	0.389	0.399	0.411	0.422	0.433	3.5%
Liquefied Petroleum Gas	0.082	0.081	0.083	0.085	0.088	0.090	0.092	0.094	0.095	0.097	0.098	0.100	0.101	0.102	0.103	0.105	0.105	0.107	0.108	0.109	0.110	0.111	0.112	0.113	1.4%
Motor Gasoline 2/	0.976	0.996	1.010	1.065	1.108	1.146	1.180	1.209	1.239	1.266	1.295	1.322	1.351	1.381	1.404	1.427	1.451	1.476	1.502	1.526	1.554	1.581	1.607	1.634	2.3%
Petrochemical Feedstocks	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	0.002	0.002	0.002	0.5%
Residual Fuel	0.006	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	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.010	2.1%
Other Petroleum 13/	0.181	0.182	0.184	0.174	0.175	0.180	0.181	0.184	0.188	0.192	0.197	0.200	0.204	0.208	0.210	0.211	0.213	0.215	0.218	0.221	0.222	0.225	0.227	0.230	1.0%
Petroleum Subtotal	1.930	1.967	1.999	2.092	2.169	2.238	2.298	2.353	2.412	2.469	2.526	2.583	2.641	2.701	2.749	2.798	2.846	2.900	2.956	3.008	3.062	3.118	3.172	3.225	2.3%
Natural Gas 6/	1.058	1.009	1.079	1.114	1.146	1.174	1.211	1.236	1.256	1.276	1.297	1.322	1.345	1.371	1.396	1.428	1.454	1.487	1.516	1.545	1.573	1.599	1.617	1.630	1.9%
Metallurgical Coal	0.024	0.023	0.024	0.023	0.023	0.022	0.022	0.021	0.021	0.020	0.020	0.020	0.019	0.019	0.018	0.018	0.018	0.017	0.017	0.017	0.017	0.016	0.016	0.016	-1.7%
Steam Coal	0.134	0.133	0.135	0.135	0.136	0.138	0.139	0.139	0.140	0.141	0.142	0.143	0.143	0.144	0.144	0.145	0.145	0.147	0.148	0.149	0.150	0.152	0.153	0.154	0.6%
Net Coal Coke Imports	0.000	0.003	0.003	0.004	0.005	0.005	0.006	0.007	0.007	0.008	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.011	0.011	0.012	0.012	0.012	0.012	0.013	16.0%
Coal Subtotal	0.158	0.159	0.162	0.162	0.164	0.166	0.167	0.167	0.168	0.170	0.171	0.172	0.172	0.172	0.172	0.173	0.174	0.175	0.177	0.178	0.179	0.180	0.182	0.183	0.6%
Renewable Energy 14/	0.099	0.101	0.102	0.104	0.106	0.109	0.111	0.113	0.115	0.117	0.120	0.122	0.124	0.126	0.128	0.130	0.132	0.134	0.136	0.137	0.139	0.140	0.142	0.143	1.6%
M85 12/	0.000	0.000	0.001	0.001	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.007	0.008	0.008	0.008	0.009	23.3%
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	0.000	0.000	0.000	N/A
Electricity	0.660	0.673	0.685	0.705	0.728	0.746	0.763	0.779	0.797	0.817	0.837	0.856	0.876	0.895	0.915	0.934	0.951	0.971	0.990	1.009	1.028	1.044	1.061	1.078	2.2%
Delivered Energy	3.905	3.910	4.028	4.178	4.315	4.434	4.552	4.651	4.752	4.853	4.954	5.059	5.162	5.271	5.366	5.468	5.563	5.674	5.782	5.885	5.988	6.090	6.181	6.268	2.1%
Electricity Related Losses	2.237	2.487	2.599	2.597	2.603	2.587	2.566	2.566	2.588	2.649	2.726	2.745	2.794	2.842	2.916	2.951	3.013	3.046	3.092	3.130	3.169	3.211	3.295	3.303	1.7%
Total	6.142	6.397	6.627	6.775	6.918	7.021	7.118	7.216	7.341	7.502	7.681	7.804	7.956	8.113	8.282	8.419	8.576	8.719	8.874	9.014	9.158	9.301	9.477	9.571	1.9%

Table 8. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 08 - Mountain																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electric Generators 15/																									
Distillate Fuel	0.003	0.008	0.008	0.008	0.008	0.007	0.007	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-1.8%
Residual Fuel	0.000	0.011	0.009	0.003	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-9.2%
Petroleum Subtotal	0.003	0.019	0.017	0.011	0.009	0.007	0.007	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-1.9%
Natural Gas	0.130	0.328	0.347	0.326	0.340	0.337	0.322	0.322	0.331	0.359	0.385	0.418	0.446	0.465	0.493	0.514	0.534	0.553	0.577	0.585	0.579	0.594	0.607	0.544	6.4%
Steam Coal	2.054	2.110	2.236	2.248	2.260	2.261	2.270	2.288	2.317	2.367	2.437	2.443	2.482	2.531	2.596	2.628	2.687	2.721	2.762	2.810	2.874	2.917	3.005	3.093	1.8%
Nuclear Power	0.256	0.269	0.280	0.286	0.291	0.296	0.298	0.299	0.301	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.7%
Renewable Energy 16/	0.453	0.433	0.405	0.431	0.431	0.432	0.433	0.433	0.434	0.435	0.436	0.436	0.437	0.437	0.438	0.438	0.438	0.439	0.439	0.439	0.439	0.440	0.440	0.440	-0.1%
Electricity Imports 17/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	2.897	3.160	3.285	3.302	3.331	3.333	3.329	3.345	3.386	3.466	3.563	3.601	3.670	3.737	3.831	3.885	3.964	4.017	4.082	4.139	4.197	4.255	4.356	4.381	1.8%
Total Energy Consumption																									
Distillate Fuel	0.488	0.512	0.518	0.539	0.561	0.575	0.589	0.597	0.611	0.624	0.636	0.648	0.661	0.675	0.686	0.699	0.711	0.725	0.740	0.753	0.766	0.779	0.792	0.805	2.2%
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	0.001	0.001	0.001	1.0%
Jet Fuel 9/	0.197	0.195	0.201	0.227	0.235	0.243	0.252	0.261	0.270	0.281	0.291	0.303	0.314	0.325	0.335	0.346	0.355	0.366	0.377	0.389	0.399	0.411	0.422	0.433	3.5%
Liquefied Petroleum Gas	0.082	0.081	0.083	0.085	0.088	0.090	0.092	0.094	0.095	0.097	0.098	0.100	0.101	0.102	0.103	0.105	0.105	0.107	0.108	0.109	0.110	0.111	0.112	0.113	1.4%
Motor Gasoline 2/	0.976	0.996	1.010	1.065	1.108	1.146	1.180	1.209	1.239	1.266	1.295	1.322	1.351	1.381	1.404	1.427	1.451	1.476	1.502	1.526	1.554	1.581	1.607	1.634	2.3%
Petrochemical Feedstocks	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	0.002	0.002	0.002	0.5%
Residual Fuel	0.006	0.018	0.017	0.011	0.009	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	0.010	0.010	0.010	0.010	0.010	2.1%
Other Petroleum 13/	0.181	0.182	0.184	0.174	0.175	0.180	0.181	0.184	0.188	0.192	0.197	0.200	0.204	0.208	0.210	0.211	0.213	0.215	0.218	0.221	0.222	0.225	0.227	0.230	1.0%
Petroleum Subtotal	1.933	1.987	2.015	2.103	2.178	2.245	2.305	2.355	2.414	2.471	2.528	2.584	2.643	2.703	2.751	2.800	2.848	2.902	2.958	3.010	3.064	3.120	3.174	3.227	2.3%
Natural Gas	1.188	1.337	1.427	1.440	1.486	1.510	1.532	1.557	1.588	1.635	1.683	1.740	1.791	1.836	1.888	1.942	1.989	2.040	2.093	2.130	2.152	2.193	2.224	2.174	2.7%
Metallurgical Coal	0.024	0.023	0.024	0.023	0.023	0.022	0.022	0.021	0.021	0.020	0.020	0.020	0.019	0.019	0.018	0.018	0.018	0.017	0.017	0.017	0.017	0.016	0.016	0.016	-1.7%
Steam Coal	2.188	2.243	2.371	2.383	2.396	2.399	2.409	2.427	2.457	2.508	2.579	2.586	2.626	2.675	2.741	2.773	2.833	2.868	2.911	2.960	3.024	3.069	3.158	3.247	1.7%
Net Coal Coke Imports	0.000	0.003	0.003	0.004	0.005	0.005	0.006	0.007	0.007	0.008	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.011	0.011	0.012	0.012	0.012	0.012	0.013	16.0%
Coal Subtotal	2.212	2.269	2.397	2.410	2.424	2.427	2.437	2.455	2.485	2.537	2.608	2.614	2.654	2.703	2.769	2.801	2.861	2.896	2.939	2.988	3.053	3.098	3.186	3.275	1.7%
Nuclear Power	0.256	0.269	0.280	0.286	0.291	0.296	0.298	0.299	0.301	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.303	0.7%
Renewable Energy 18/	0.552	0.534	0.507	0.535	0.538	0.541	0.543	0.546	0.549	0.552	0.555	0.558	0.561	0.563	0.565	0.568	0.570	0.572	0.574	0.576	0.578	0.580	0.582	0.583	0.2%
M85 12/	0.000	0.000	0.001	0.001	0.002	0.002	0.003	0.003	0.003	0.004	0.004	0.005	0.005	0.005	0.006	0.006	0.006	0.007	0.007	0.007	0.008	0.008	0.008	0.009	23.3%
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	0.000	0.000	0.000	N/A
Electricity Imports 17/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	6.142	6.397	6.627	6.775	6.918	7.021	7.118	7.216	7.341	7.502	7.681	7.804	7.956	8.113	8.282	8.419	8.576	8.719	8.874	9.014	9.158	9.301	9.477	9.571	1.9%
Energy Use & Related Statistics																									
Delivered Energy Use	3.905	3.910	4.028	4.178	4.315	4.434	4.552	4.651	4.752	4.853	4.954	5.059	5.162	5.271	5.366	5.468	5.563	5.674	5.782	5.885	5.988	6.090	6.181	6.268	2.1%
Total Energy Use	6.142	6.397	6.627	6.775	6.918	7.021	7.118	7.216	7.341	7.502	7.681	7.804	7.956	8.113	8.282	8.419	8.576	8.719	8.874	9.014	9.158	9.301	9.477	9.571	1.9%
Population (millions)	16.537	16.875	17.337	17.842	18.263	18.656	19.000	19.322	19.625	19.927	20.240	20.575	20.940	21.322	21.723	22.136	22.552	22.973	23.401	23.840	24.287	24.738	25.187	25.640	1.9%
US GDP (billion 1992 dollars)	7270	7516	7636	7830	7996	8173	8362	8549	8769	8991	9219	9443	9666	9896	10070	10249	10417	10599	10800	10976	11149	11324	11507	11680	2.1%
Total Carbon Emissions (million metric tons)	1480	1506	1552	1585	1613	1630	1646	1659	1678	1703	1725	1750	1771	1790	1811	1828	1847	1867	1890	1907	1927	1944	1959	1975	1.3%

Table 8. Energy Consumption by Sector and Source (08 - Mountain) Notes

1/ Includes wood used for residential heating. See Table 18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water 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 18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.

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 for cogeneration, both for sale to the grid and for own use.

8/ Low sulfur diesel fuel.

9/ Includes naphtha and kerosene type.

10/ Includes aviation gas and lubricants.

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

12/ M85 is 85 percent methanol and 15 percent motor gasoline.

13/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.

14/ 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 and solar thermal hot water heaters.

15/ 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.

16/ 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.

17/ In 1997 approximately two-thirds of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions.

18/ 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 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. Figures for 1997 may differ from published data due to internal conversion factors. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.

Sources: 1997 electric utility fuel consumption: Energy Information Administration (EIA), Electric Power Annual 1997, Volume 1, DOE/EIA-0348(97)/1 (Washington, DC, July 1998). 1997 nonutility consumption estimates: Form EIA-867, "Annual Nonutility Power Producer Report." Other 1997 values: EIA Short-Term Energy Outlook, September 1998. Online <http://www.eia.doe.gov/emeu/steo/pub/upd/sep98/contents.html> (October 15, 1998). Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 9. Energy Consumption by Sector and Source (09 - Pacific) Notes

1/ Includes wood used for residential heating. See Table 18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water 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 18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.

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 for cogeneration, both for sale to the grid and for own use.

8/ Low sulfur diesel fuel.

9/ Includes naphtha and kerosene type.

10/ Includes aviation gas and lubricants.

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

12/ M85 is 85 percent methanol and 15 percent motor gasoline.

13/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.

14/ 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 and solar thermal hot water heaters.

15/ 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.

16/ 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.

17/ In 1997 approximately two-thirds of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions.

18/ 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 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. Figures for 1997 may differ from published data due to internal conversion factors. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.

Sources: 1997 electric utility fuel consumption: Energy Information Administration (EIA), Electric Power Annual 1997, Volume 1, DOE/EIA-0348(97)/1 (Washington, DC, July 1998). 1997 nonutility consumption estimates: Form EIA-867, "Annual Nonutility Power Producer Report." Other 1997 values: EIA Short-Term Energy Outlook, September 1998. Online <http://www.eia.doe.gov/emeu/steo/pub/upd/sep98/contents.html> (October 15, 1998). Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 10. Energy Consumption by Sector and Source (United States Total) Notes

1/ Includes wood used for residential heating. See Table 18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water 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 18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.

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 for cogeneration, both for sale to the grid and for own use.

8/ Low sulfur diesel fuel.

9/ Includes naphtha and kerosene type.

10/ Includes aviation gas and lubricants.

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

12/ M85 is 85 percent methanol and 15 percent motor gasoline.

13/ Includes unfinished oils, natural gasoline, motor gasoline blending compounds, aviation gasoline, lubricants, still gas, asphalt, road oil, petroleum coke, and miscellaneous petroleum products.

14/ 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 and solar thermal hot water heaters.

15/ 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.

16/ 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.

17/ In 1997 approximately two-thirds of the U.S. electricity imports were provided by renewable sources (hydroelectricity); EIA does not project future proportions.

18/ 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 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. Figures for 1996 and 1997 may differ from published data due to internal conversion factors. Consumption values of 0.00 are values that round to 0.00, because they are less than 0.005.

Sources: 1996 natural gas lease, plant, and pipeline fuel values: Energy Information Administration (EIA), Natural Gas Annual 1996, DOE/EIA-0131(96) (Washington, DC, September 1997). 1996 transportation sector compressed natural gas consumption: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. 1996 and 1997 electric utility fuel consumption: EIA, Electric Power Annual 1997, Volume 1, DOE/EIA-0348(97)/1 (Washington, DC, July 1998). 1996 and 1997 nonutility consumption estimates: Form EIA-867, "Annual Nonutility Power Producer Report." Other 1996 values derived from: EIA, State Energy Data Report 1995, DOE/EIA-0214(95) (Washington, DC, December 1997), and Office of Coal, Nuclear, Electric, and Alternative Fuels estimates. Other 1997 values: EIA, Short-Term Energy Outlook, September 1998. Online <http://www.eia.doe.gov/emeu/steo/pub/upd/sep98/contents.html> (October 15, 1998). Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 11. Energy Prices by Sector and Source (1997 Dollars per Million Btu) 01 - New England																									1997- 2020
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Residential	13.63	13.01	12.94	12.95	12.96	12.68	12.82	12.82	12.87	12.93	12.93	12.75	12.65	12.65	12.61	12.66	12.63	12.65	12.69	12.70	12.73	12.74	12.69	12.67	-0.3%
Primary Energy 1/	8.21	7.34	7.42	7.62	7.70	7.75	7.81	7.85	7.94	7.95	7.96	7.89	7.84	7.80	7.75	7.70	7.65	7.58	7.60	7.58	7.59	7.56	7.50	7.49	-0.4%
Petroleum Products 2/	7.54	6.51	6.62	7.06	7.27	7.44	7.64	7.82	8.03	8.13	8.25	8.23	8.25	8.25	8.23	8.25	8.24	8.17	8.26	8.21	8.25	8.22	8.12	8.16	0.3%
Distillate Fuel	6.85	5.87	5.99	6.47	6.69	6.86	7.06	7.23	7.44	7.55	7.68	7.69	7.72	7.74	7.73	7.74	7.74	7.65	7.76	7.71	7.74	7.71	7.61	7.64	0.5%
Liquefied Petroleum Gas	15.29	13.08	13.22	13.26	13.50	13.81	14.07	14.40	14.71	14.94	14.97	14.73	14.76	14.62	14.54	14.58	14.53	14.75	14.49	14.58	14.62	14.66	14.71	14.77	-0.2%
Natural Gas	9.35	8.77	8.70	8.50	8.35	8.21	8.07	7.93	7.87	7.77	7.65	7.52	7.40	7.32	7.24	7.14	7.06	7.00	6.97	6.98	6.97	6.95	6.93	6.90	-1.3%
Electricity	33.75	31.92	31.59	30.37	29.77	28.20	28.57	28.35	28.19	28.43	28.38	27.86	27.60	27.74	27.58	27.87	27.77	27.98	27.94	27.89	27.82	27.76	27.60	27.34	-0.9%
Commercial	14.27	14.25	13.94	13.51	13.39	12.95	13.08	12.98	12.85	12.83	12.59	12.04	11.67	11.49	11.29	11.32	11.28	11.30	11.33	11.37	11.39	11.42	11.40	11.35	-1.0%
Primary Energy 1/	6.20	5.54	5.69	5.63	5.68	5.71	5.77	5.80	5.86	5.89	5.90	5.87	5.83	5.82	5.80	5.78	5.76	5.73	5.74	5.77	5.78	5.77	5.75	5.76	-0.3%
Petroleum Products 2/	5.15	4.35	4.53	4.55	4.75	4.91	5.10	5.26	5.44	5.55	5.68	5.67	5.67	5.68	5.67	5.68	5.70	5.65	5.68	5.68	5.70	5.69	5.63	5.66	0.4%
Distillate Fuel	5.26	4.40	4.56	4.75	4.97	5.14	5.34	5.51	5.73	5.83	5.96	5.97	6.00	6.02	6.01	6.03	6.02	5.93	6.04	5.99	6.02	5.99	5.89	5.92	0.5%
Residual Fuel	2.93	2.07	2.13	1.57	1.71	1.79	1.99	2.10	2.15	2.30	2.45	2.45	2.38	2.42	2.44	2.46	2.55	2.60	2.48	2.61	2.62	2.64	2.67	2.70	-0.3%
Natural Gas 3/	7.02	6.30	6.35	6.26	6.22	6.18	6.14	6.11	6.11	6.08	6.04	5.98	5.93	5.91	5.89	5.84	5.81	5.79	5.79	5.83	5.84	5.84	5.83	5.82	-0.8%
Electricity	29.12	27.98	27.42	26.12	25.59	24.22	24.39	23.98	23.44	23.27	22.55	21.12	20.14	19.67	19.13	19.21	19.11	19.19	19.19	19.22	19.22	19.26	19.25	19.07	-1.8%
Industrial 4/	8.34	7.26	7.23	6.96	7.04	6.94	7.08	7.05	6.91	6.86	6.76	6.48	6.29	6.28	6.19	6.23	6.25	6.27	6.30	6.36	6.41	6.44	6.45	6.44	-1.1%
Primary Energy	4.26	3.20	3.25	3.20	3.33	3.42	3.55	3.67	3.77	3.88	3.98	3.97	3.96	4.02	4.02	4.04	4.07	4.11	4.14	4.18	4.21	4.23	4.23	4.24	-0.0%
Petroleum Products 2/	4.42	3.02	3.06	3.05	3.22	3.35	3.54	3.72	3.85	3.99	4.15	4.12	4.09	4.17	4.15	4.17	4.22	4.27	4.27	4.31	4.34	4.35	4.35	4.37	-0.1%
Distillate Fuel	5.57	4.43	4.58	4.70	4.92	5.09	5.29	5.46	5.67	5.77	5.91	5.92	5.95	5.97	5.95	5.97	5.97	5.88	5.99	5.93	5.97	5.94	5.83	5.87	0.2%
Liquefied Petroleum Gas	14.06	9.83	9.98	10.67	10.91	11.22	11.48	11.81	12.12	12.34	12.38	12.14	12.17	12.03	11.95	11.99	11.94	12.16	11.90	11.99	12.03	12.07	12.12	12.18	-0.6%
Residual Fuel	2.82	2.01	2.08	1.52	1.66	1.74	1.93	2.04	2.10	2.24	2.39	2.39	2.33	2.37	2.39	2.41	2.49	2.54	2.43	2.56	2.56	2.59	2.62	2.65	-0.3%
Natural Gas 5/	4.05	3.45	3.50	3.41	3.48	3.52	3.56	3.60	3.65	3.70	3.74	3.75	3.77	3.81	3.83	3.84	3.85	3.88	3.93	3.99	4.02	4.04	4.05	4.05	0.0%
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	0.00	0.00	0.00	N/A
Steam Coal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	22.30	21.16	21.10	20.31	20.22	19.46	19.63	19.09	18.10	17.38	16.50	15.25	14.42	14.15	13.74	13.88	13.84	13.74	13.80	13.93	14.00	14.09	14.13	14.07	-2.0%
Transportation	9.86	8.51	8.64	8.74	8.99	9.18	9.43	9.70	9.82	9.99	10.12	10.24	10.23	10.22	10.19	10.17	10.19	10.12	10.14	10.14	10.03	10.02	9.98	9.99	0.1%
Primary Energy	9.81	8.47	8.59	8.70	8.95	9.14	9.38	9.66	9.77	9.94	10.06	10.18	10.17	10.16	10.13	10.11	10.12	10.05	10.07	10.07	9.95	9.95	9.90	9.91	0.0%
Petroleum Products 2/	9.81	8.46	8.59	8.70	8.94	9.14	9.38	9.66	9.77	9.94	10.06	10.18	10.17	10.16	10.13	10.10	10.12	10.04	10.06	10.06	9.94	9.94	9.89	9.90	0.0%
Distillate Fuel 6/	9.18	8.23	8.18	8.36	8.50	8.67	8.90	9.12	9.19	9.35	9.48	9.37	9.38	9.33	9.24	9.22	9.19	9.13	9.20	9.15	9.19	9.17	8.92	8.91	-0.1%
Jet Fuel 7/	5.46	4.16	4.31	4.42	4.62	4.83	5.07	5.30	5.45	5.60	5.77	5.70	5.75	5.74	5.73	5.74	5.79	5.83	5.77	5.83	5.95	5.97	5.99	6.02	0.4%
Motor Gasoline 8/	10.46	9.01	9.18	9.29	9.57	9.77	10.01	10.30	10.42	10.60	10.72	10.92	10.91	10.91	10.90	10.87	10.90	10.80	10.83	10.84	10.66	10.67	10.66	10.67	0.1%
Residual Fuel	2.60	1.64	1.71	0.80	0.87	1.03	1.18	1.45	1.55	1.70	1.85	1.79	1.84	1.84	1.82	1.84	1.93	1.92	1.90	1.97	1.93	1.95	1.93	1.97	-1.2%
Liquid Petroleum Gas 9/	10.54	11.05	11.20	13.83	14.04	14.32	14.55	14.85	15.13	15.32	15.33	15.06	15.06	14.88	14.76	14.77	14.69	14.87	14.58	14.63	14.63	14.64	14.65	14.67	1.4%
Natural Gas 10/	8.71	8.49	8.48	8.32	8.28	8.30	8.35	8.44	8.51	8.59	8.67	8.70	8.74	8.78	8.80	8.79	8.78	8.80	8.83	8.85	8.86	8.84	8.81	8.77	0.0%
E85 11/	16.27	14.20	14.38	15.99	16.52	16.97	17.50	18.02	18.32	18.69	18.98	19.25	18.94	19.03	19.09	19.02	19.20	19.02	19.15	19.17	19.12	19.18	19.13	19.22	0.7%
M85 12/	13.25	11.77	10.35	11.12	11.45	11.84	12.22	12.54	12.79	13.07	13.29	13.35	13.37	13.39	13.40	13.41	13.43	13.42	13.44	13.45	13.43	13.46	13.48	13.52	0.1%
Electricity	24.37	23.88	23.07	22.24	21.83	20.58	20.88	20.41	20.16	20.09	19.98	19.67	19.46	19.88	19.31	19.58	19.51	19.67	19.64	19.59	19.50	19.28	19.13	18.94	-1.1%
Average End-Use Energy	11.43	10.46	10.46	10.37	10.45	10.35	10.52	10.61	10.61	10.68	10.67	10.53	10.41	10.37	10.30	10.31	10.31	10.29	10.31	10.33	10.30	10.30	10.27	10.26	-0.5%
Primary Energy	11.20	10.12	10.16	10.08	10.18	10.12	10.30	10.41	10.43	10.51	10.52	10.43	10.33	10.30	10.24	10.24	10.24	10.21	10.23	10.25	10.20	10.21	10.17	10.16	-0.4%
Electricity	29.19	27.84	27.52	26.42	25.97	24.66	24.89	24.51	23.99	23.83	23.30	22.24	21.54	21.33	20.96	21.14	21.05	21.14	21.14	21.19	21.18	21.20	21.16	21.00	-1.4%

Table 11. Energy Prices by Sector and Source (1997 Dollars per Million Btu) 01 - New England																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electric Generators 13/																									
Fossil Fuel Average	2.54	1.92	1.98	1.91	2.02	2.10	2.21	2.28	2.33	2.37	2.40	2.42	2.44	2.48	2.50	2.49	2.49	2.51	2.54	2.57	2.59	2.59	2.60	2.59	0.1%
Petroleum Products	2.75	1.97	2.04	1.83	1.98	2.07	2.26	2.40	2.50	2.69	2.93	2.97	3.20	3.18	3.47	3.43	3.58	3.60	3.55	3.56	3.58	3.66	3.56	3.65	1.2%
Distillate Fuel	4.46	3.52	3.67	3.77	3.99	4.16	4.36	4.53	4.75	4.85	4.98	4.99	5.02	5.04	5.03	5.05	5.04	4.95	5.06	5.01	5.04	5.01	4.91	4.94	0.5%
Residual Fuel	2.72	1.95	2.01	1.80	1.95	2.03	2.23	2.35	2.42	2.57	2.70	2.68	2.65	2.68	2.70	2.74	2.81	2.86	2.74	2.86	2.87	2.89	2.92	2.94	0.3%
Natural Gas	3.03	2.06	2.14	2.18	2.27	2.38	2.46	2.52	2.58	2.60	2.63	2.63	2.65	2.68	2.70	2.70	2.71	2.74	2.78	2.83	2.87	2.88	2.88	2.88	-0.2%
Steam Coal	1.76	1.71	1.70	1.69	1.67	1.66	1.65	1.64	1.62	1.61	1.60	1.58	1.57	1.55	1.54	1.53	1.49	1.47	1.44	1.42	1.40	1.39	1.37	1.35	-1.1%
Average Price to All Users 14/																									
Petroleum Products 2/	7.64	6.53	6.50	6.67	6.88	7.20	7.50	7.93	8.24	8.48	8.71	8.83	8.86	8.87	8.85	8.84	8.86	8.80	8.83	8.83	8.76	8.76	8.71	8.73	0.6%
Distillate Fuel	7.13	6.30	6.37	6.72	6.92	7.10	7.32	7.52	7.70	7.83	7.97	7.96	7.98	7.99	7.95	7.96	7.95	7.87	7.98	7.93	7.97	7.95	7.79	7.82	0.4%
Jet Fuel	5.46	4.16	4.31	4.42	4.62	4.83	5.07	5.30	5.45	5.60	5.77	5.70	5.75	5.74	5.73	5.74	5.79	5.83	5.77	5.83	5.95	5.97	5.99	6.02	0.4%
Liquefied Petroleum Gas	14.35	12.14	12.28	12.58	12.82	13.14	13.39	13.73	14.04	14.26	14.29	14.05	14.07	13.92	13.83	13.86	13.80	14.01	13.74	13.82	13.84	13.88	13.91	13.96	-0.1%
Motor Gasoline 8/	10.46	9.01	9.18	9.29	9.57	9.77	10.01	10.30	10.42	10.60	10.72	10.92	10.91	10.91	10.90	10.87	10.90	10.80	10.83	10.84	10.66	10.67	10.66	10.67	0.1%
Residual Fuel	2.75	1.97	2.03	1.73	1.88	1.95	2.13	2.22	2.25	2.36	2.46	2.43	2.35	2.38	2.39	2.42	2.50	2.55	2.44	2.56	2.57	2.59	2.62	2.65	-0.2%
Natural Gas	5.90	5.15	5.19	5.08	4.83	4.75	4.65	4.57	4.53	4.44	4.42	4.37	4.35	4.34	4.36	4.31	4.29	4.30	4.32	4.37	4.39	4.39	4.39	4.38	-1.3%
Coal	1.76	1.71	1.70	1.69	1.67	1.66	1.65	1.64	1.62	1.61	1.60	1.58	1.57	1.56	1.54	1.53	1.49	1.47	1.44	1.42	1.40	1.39	1.37	1.35	-1.1%
E85 11/	16.27	14.20	14.38	15.99	16.52	16.97	17.50	18.02	18.32	18.69	18.98	19.25	18.94	19.03	19.09	19.02	19.20	19.02	19.15	19.17	19.12	19.18	19.13	19.22	0.7%
M85 12/	13.25	11.77	10.35	11.12	11.45	11.84	12.22	12.54	12.79	13.07	13.29	13.35	13.37	13.39	13.40	13.41	13.43	13.42	13.44	13.45	13.43	13.46	13.48	13.52	0.1%
Electricity	29.19	27.84	27.52	26.42	25.97	24.66	24.89	24.51	23.99	23.83	23.30	22.24	21.54	21.33	20.96	21.14	21.05	21.14	21.14	21.19	21.18	21.20	21.16	21.00	-1.4%
Non-Renewable Energy Expenditures by Sector (billion 1997 dollars)																									
Residential	9.10	8.25	8.55	8.56	8.57	8.39	8.47	8.48	8.48	8.52	8.53	8.48	8.42	8.44	8.45	8.52	8.50	8.54	8.58	8.63	8.63	8.65	8.64	8.66	-0.2%
Commercial	6.18	5.78	5.89	5.78	5.75	5.59	5.66	5.64	5.60	5.61	5.54	5.35	5.22	5.18	5.12	5.15	5.15	5.18	5.20	5.22	5.23	5.24	5.23	5.19	-0.8%
Industrial	3.32	2.92	2.94	2.85	2.91	2.91	2.98	2.99	2.98	2.99	2.97	2.88	2.82	2.84	2.81	2.85	2.87	2.89	2.93	2.97	3.01	3.04	3.05	3.06	-0.4%
Transportation	9.24	8.20	8.45	8.83	9.26	9.61	10.03	10.46	10.75	11.10	11.38	11.65	11.77	11.89	11.91	11.94	12.01	11.99	12.09	12.14	12.07	12.13	12.13	12.18	1.2%
Total Non-Renewable Expenditure	27.85	25.15	25.83	26.03	26.49	26.50	27.13	27.57	27.82	28.22	28.42	28.35	28.24	28.36	28.30	28.46	28.53	28.61	28.80	28.96	28.93	29.04	29.05	29.10	0.2%
Transportation Renewables Expenditures	0.00	0.00	0.00	0.01	0.01	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	0.06	0.06	0.07	0.07	24.4%
Total Expenditures	27.85	25.15	25.83	26.03	26.50	26.52	27.15	27.60	27.84	28.26	28.46	28.39	28.28	28.40	28.35	28.52	28.59	28.67	28.86	29.02	29.00	29.11	29.12	29.16	0.2%

Table 11. Energy Prices by Sector and Source (01 - New England) Notes

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/ Low sulfur diesel fuel. 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 and State taxes and excludes county 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).

12/ M85 is 85 percent methanol and 15 percent motor gasoline.

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: 1997 figures may differ from published data due to internal rounding.

Sources: 1997 prices for gasoline, distillate, and jet fuel are based on prices in various issues of Energy Information Administration (EIA), Petroleum Marketing Monthly, DOE/EIA-0380 (97/03-98/04) (Washington, DC, 1997-98). 1997 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditures Report: 1995, DOE/EIA-0376(95) (Washington, DC, August, 1998).

1997 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991.

1997 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(98/06)

(Washington, DC, June 1998). Other 1997 natural gas delivered prices: EIA, AEO99 National Energy Modeling System run

AEO99B.D100198A. Values for 1997 coal prices have been estimated from EIA, State Energy Price and Expenditures Report:

1995, DOE/EIA-0376(95) (Washington, DC, August, 1998) by use of consumption quantities aggregated from EIA, State Energy Data

Report 1995, DOE/EIA-0214(95) (Washington, DC, December 1997) and the Coal Industry Annual 1997, DOE/EIA-0584(97) (Washington,

DC, November 1998). 1997 electricity prices for commercial, industrial, and transportation: EIA, AEO99 National Energy Modeling

System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 12. Energy Prices by Sector and Source (1997 Dollars per Million Btu) 02 - Middle Atlantic																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Residential	14.10	13.82	13.45	13.43	13.41	13.28	13.30	13.33	13.34	13.37	13.34	13.32	13.42	13.50	13.47	13.39	13.32	13.40	13.39	13.49	13.51	13.55	13.46	13.45	-0.2%
Primary Energy 1/	8.46	7.86	7.89	7.93	7.93	7.93	7.94	7.94	8.00	8.01	8.00	7.94	7.90	7.87	7.82	7.76	7.70	7.64	7.63	7.64	7.64	7.63	7.60	7.59	-0.5%
Petroleum Products 2/	7.92	6.87	6.98	7.41	7.65	7.85	8.07	8.26	8.50	8.61	8.75	8.73	8.77	8.78	8.75	8.78	8.77	8.71	8.78	8.74	8.78	8.75	8.66	8.70	0.4%
Distillate Fuel	7.29	6.18	6.30	6.73	6.95	7.12	7.33	7.49	7.71	7.81	7.95	7.96	7.99	8.01	7.99	8.01	8.01	7.91	8.02	7.97	8.01	7.98	7.87	7.91	0.4%
Liquefied Petroleum Gas	14.16	13.01	13.16	13.52	13.76	14.08	14.33	14.66	14.97	15.20	15.23	14.99	15.03	14.88	14.80	14.85	14.80	15.01	14.75	14.85	14.88	14.93	14.97	15.03	0.3%
Natural Gas	8.87	8.50	8.44	8.30	8.20	8.11	8.02	7.94	7.94	7.90	7.84	7.75	7.68	7.64	7.58	7.48	7.41	7.35	7.32	7.34	7.34	7.34	7.33	7.31	-0.8%
Electricity	33.93	32.68	31.64	30.54	29.68	28.76	28.48	28.29	27.78	27.59	27.24	27.09	27.36	27.51	27.35	27.05	26.81	27.11	26.89	27.01	26.88	26.88	26.45	26.22	-1.1%
Commercial	14.18	14.29	13.75	13.37	13.09	12.81	12.71	12.66	12.46	12.40	12.19	11.93	11.88	11.86	11.76	11.63	11.53	11.60	11.54	11.71	11.70	11.78	11.58	11.48	-0.9%
Primary Energy 1/	5.75	5.10	5.30	5.25	5.26	5.27	5.30	5.32	5.36	5.38	5.39	5.37	5.33	5.33	5.32	5.29	5.27	5.25	5.25	5.28	5.28	5.28	5.27	5.27	-0.4%
Petroleum Products 2/	4.84	3.93	4.09	4.14	4.34	4.48	4.67	4.82	4.98	5.09	5.22	5.22	5.21	5.23	5.22	5.23	5.26	5.23	5.23	5.25	5.27	5.26	5.21	5.25	0.4%
Distillate Fuel	4.99	4.14	4.28	4.45	4.67	4.84	5.04	5.21	5.43	5.53	5.66	5.67	5.70	5.72	5.71	5.73	5.72	5.63	5.74	5.69	5.73	5.69	5.59	5.62	0.5%
Residual Fuel	3.67	2.60	2.67	2.55	2.69	2.77	2.96	3.07	3.13	3.27	3.42	3.42	3.35	3.39	3.42	3.44	3.52	3.57	3.46	3.59	3.59	3.62	3.65	3.68	0.0%
Natural Gas 3/	6.28	5.65	5.81	5.72	5.68	5.64	5.61	5.59	5.60	5.59	5.56	5.53	5.49	5.48	5.46	5.42	5.39	5.37	5.37	5.41	5.40	5.40	5.40	5.39	-0.7%
Electricity	29.52	29.03	27.90	26.82	25.92	25.02	24.64	24.42	23.72	23.47	22.81	22.11	21.99	21.91	21.63	21.30	21.03	21.23	21.01	21.37	21.32	21.51	20.96	20.66	-1.5%
Industrial 4/	5.60	4.87	4.82	4.82	4.88	4.91	4.98	5.05	5.05	5.08	5.10	5.08	5.09	5.16	5.14	5.12	5.10	5.17	5.18	5.21	5.24	5.27	5.23	5.22	-0.3%
Primary Energy	3.64	2.87	2.90	3.03	3.12	3.21	3.30	3.40	3.50	3.58	3.66	3.67	3.67	3.73	3.73	3.75	3.76	3.79	3.84	3.85	3.87	3.88	3.89	3.89	0.3%
Petroleum Products 2/	4.25	2.85	2.87	3.24	3.42	3.59	3.77	3.97	4.13	4.28	4.42	4.39	4.37	4.47	4.45	4.47	4.50	4.55	4.61	4.60	4.65	4.65	4.64	4.65	0.4%
Distillate Fuel	5.25	4.20	4.35	4.42	4.64	4.81	5.02	5.18	5.40	5.50	5.64	5.65	5.68	5.70	5.68	5.70	5.60	5.71	5.66	5.70	5.67	5.66	5.56	5.60	0.3%
Liquefied Petroleum Gas	9.01	8.89	9.04	9.65	9.90	10.21	10.47	10.80	11.11	11.33	11.37	11.13	11.16	11.02	10.93	10.98	10.93	11.15	10.89	10.98	11.02	11.06	11.11	11.16	0.9%
Residual Fuel	3.29	2.38	2.44	2.37	2.51	2.59	2.79	2.90	2.95	3.10	3.25	3.25	3.18	3.22	3.24	3.26	3.35	3.40	3.29	3.41	3.42	3.44	3.47	3.50	0.3%
Natural Gas 5/	4.09	3.54	3.60	3.54	3.58	3.61	3.65	3.68	3.73	3.79	3.82	3.84	3.85	3.89	3.91	3.91	3.90	3.93	3.96	4.00	4.01	4.03	4.03	4.03	-0.1%
Metallurgical Coal	1.76	1.72	1.70	1.68	1.66	1.64	1.63	1.62	1.60	1.59	1.58	1.57	1.56	1.54	1.53	1.52	1.50	1.49	1.47	1.47	1.45	1.45	1.44	1.42	-0.9%
Steam Coal	1.37	1.30	1.27	1.24	1.23	1.21	1.19	1.18	1.16	1.15	1.13	1.12	1.11	1.10	1.09	1.08	1.06	1.06	1.05	1.04	1.03	1.03	1.01	1.00	-1.3%
Electricity	17.98	17.29	17.03	16.69	16.41	16.00	15.86	15.58	14.86	14.48	14.02	13.76	13.82	13.88	13.69	13.42	13.19	13.40	13.17	13.32	13.31	13.39	13.10	12.98	-1.4%
Transportation	8.57	7.38	7.47	7.59	7.81	8.01	8.24	8.51	8.62	8.78	8.90	8.97	8.97	8.95	8.92	8.89	8.90	8.84	8.84	8.83	8.76	8.75	8.70	8.71	0.1%
Primary Energy	8.53	7.34	7.43	7.55	7.78	7.97	8.21	8.47	8.58	8.74	8.86	8.93	8.92	8.90	8.86	8.83	8.84	8.78	8.78	8.77	8.70	8.69	8.64	8.65	0.1%
Petroleum Products 2/	8.53	7.34	7.43	7.55	7.78	7.98	8.21	8.47	8.58	8.74	8.86	8.93	8.92	8.90	8.86	8.83	8.84	8.78	8.77	8.77	8.69	8.68	8.62	8.63	0.1%
Distillate Fuel 6/	8.67	7.76	7.72	8.16	8.30	8.46	8.69	8.91	8.99	9.15	9.28	9.17	9.17	9.13	9.04	9.01	8.98	8.92	9.00	8.94	8.99	8.97	8.72	8.71	0.0%
Jet Fuel 7/	5.18	3.85	4.00	4.27	4.47	4.68	4.92	5.16	5.30	5.46	5.63	5.56	5.60	5.60	5.58	5.60	5.64	5.69	5.62	5.68	5.80	5.83	5.85	5.88	0.5%
Motor Gasoline 8/	9.64	8.32	8.49	8.60	8.87	9.08	9.33	9.62	9.74	9.92	10.04	10.23	10.22	10.22	10.21	10.18	10.21	10.12	10.14	10.14	9.98	9.98	9.96	9.98	0.2%
Residual Fuel	2.70	1.89	1.97	0.95	1.09	1.24	1.41	1.68	1.78	1.93	2.08	2.07	2.07	2.07	2.05	2.07	2.16	2.15	2.14	2.20	2.16	2.18	2.16	2.20	-0.9%
Liquid Petroleum Gas 9/	12.22	11.83	11.99	13.24	13.45	13.73	13.95	14.25	14.54	14.73	14.73	14.46	14.46	14.28	14.17	14.18	14.09	14.28	13.98	14.04	14.04	14.04	14.06	14.08	0.6%
Natural Gas 10/	6.25	6.34	6.40	6.34	6.33	6.32	6.36	6.43	6.54	6.69	6.83	6.93	7.01	7.11	7.17	7.21	7.23	7.28	7.34	7.39	7.42	7.44	7.45	7.45	0.8%
E85 11/	16.27	14.20	14.38	14.77	15.30	15.75	16.28	16.80	17.10	17.47	17.75	18.03	17.72	17.81	17.87	17.80	17.98	17.80	17.93	17.95	17.90	17.96	17.91	18.00	0.4%
M85 12/	13.25	11.77	10.35	10.31	10.64	11.03	11.41	11.73	11.98	12.26	12.48	12.54	12.56	12.58	12.59	12.60	12.62	12.63	12.64	12.62	12.65	12.65	12.67	12.71	-0.2%
Electricity	21.01	20.71	20.17	19.70	19.31	18.86	18.81	18.36	18.00	17.77	17.52	17.27	17.44	17.55	17.26	17.18	17.17	17.13	17.10	17.10	17.11	17.11	16.89	16.52	-1.0%
Average End-Use Energy	9.87	9.12	9.03	8.96	8.99	8.99	9.07	9.18	9.18	9.23	9.24	9.21	9.21	9.23	9.19	9.14	9.11	9.13	9.11	9.17	9.15	9.17	9.09	9.07	-0.4%
Primary Energy	9.53	8.67	8.62	8.56	8.61	8.63	8.73	8.85	8.86	8.93	8.95	8.93	8.93	8.95	8.91	8.86	8.84	8.85	8.83	8.87	8.85	8.86	8.79	8.77	-0.4%
Electricity	27.91	27.18	26.37	25.54	24.85	24.07	23.79	23.57	22.92	22.64	22.13	21.73	21.78	21.80	21.60	21.31	21.07	21.31	21.08	21.33	21.26	21.36	20.93	20.73	-1.3%

Table 12. Energy Prices by Sector and Source (1997 Dollars per Million Btu) 02 - Middle Atlantic																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electric Generators 13/																									
Fossil Fuel Average	1.72	1.58	1.59	1.58	1.62	1.65	1.70	1.76	1.86	1.88	1.95	1.96	1.97	2.02	2.04	2.06	2.06	2.10	2.13	2.15	2.17	2.16	2.17	2.16	1.0%
Petroleum Products	2.92	2.31	2.40	2.02	2.18	2.30	2.54	2.75	3.22	3.43	4.14	4.29	3.86	3.99	4.03	4.11	4.35	4.21	4.11	4.02	4.01	4.08	4.28	4.59	2.0%
Distillate Fuel	4.12	3.48	3.62	3.82	4.04	4.21	4.41	4.58	4.80	4.90	5.03	5.04	5.07	5.09	5.08	5.10	5.09	5.00	5.11	5.06	5.09	5.06	4.96	4.99	0.8%
Residual Fuel	2.81	2.22	2.31	1.93	2.08	2.16	2.36	2.47	2.52	2.67	2.82	2.82	2.75	2.79	2.81	2.83	2.92	2.96	2.86	2.98	2.99	3.01	3.04	3.07	0.4%
Natural Gas	2.85	2.48	2.51	2.51	2.55	2.63	2.70	2.76	2.83	2.88	2.92	2.94	2.95	2.99	3.02	3.03	3.02	3.05	3.08	3.13	3.13	3.14	3.15	3.16	0.5%
Steam Coal	1.38	1.34	1.32	1.31	1.30	1.27	1.26	1.24	1.25	1.21	1.22	1.21	1.20	1.19	1.18	1.17	1.15	1.13	1.11	1.09	1.08	1.07	1.06	1.05	-1.2%
Average Price to All Users 14/																									
Petroleum Products 2/	7.40	6.23	6.32	6.43	6.67	6.92	7.18	7.47	7.64	7.79	7.93	7.97	7.96	7.97	7.93	7.92	7.94	7.90	7.91	7.91	7.87	7.87	7.82	7.84	0.3%
Distillate Fuel	7.38	6.54	6.59	6.99	7.19	7.37	7.60	7.80	7.96	8.10	8.25	8.20	8.22	8.21	8.16	8.16	8.15	8.08	8.17	8.12	8.17	8.15	7.97	7.98	0.3%
Jet Fuel	5.18	3.85	4.00	4.27	4.47	4.68	4.92	5.16	5.30	5.46	5.63	5.56	5.60	5.60	5.58	5.60	5.64	5.69	5.62	5.68	5.80	5.83	5.85	5.88	0.5%
Liquefied Petroleum Gas	12.29	11.53	11.70	12.17	12.48	12.81	13.08	13.42	13.74	13.96	14.00	13.75	13.78	13.63	13.53	13.56	13.50	13.70	13.42	13.50	13.51	13.54	13.57	13.61	0.4%
Motor Gasoline 8/	9.64	8.32	8.49	8.60	8.87	9.08	9.33	9.62	9.74	9.92	10.04	10.23	10.22	10.22	10.21	10.18	10.21	10.12	10.14	10.14	9.98	9.98	9.96	9.98	0.2%
Residual Fuel	3.06	2.26	2.32	1.88	2.02	2.11	2.28	2.43	2.50	2.64	2.78	2.75	2.73	2.75	2.74	2.76	2.84	2.86	2.79	2.88	2.86	2.88	2.87	2.90	-0.2%
Natural Gas	6.13	5.69	5.76	5.59	5.48	5.36	5.28	5.16	5.06	5.03	4.95	4.90	4.87	4.82	4.79	4.74	4.70	4.65	4.63	4.65	4.63	4.63	4.62	4.62	-1.2%
Coal	1.44	1.34	1.32	1.31	1.30	1.27	1.26	1.23	1.24	1.21	1.22	1.20	1.19	1.19	1.17	1.16	1.15	1.13	1.11	1.09	1.08	1.07	1.06	1.05	-1.4%
E85 11/	16.27	14.20	14.38	14.77	15.30	15.75	16.28	16.80	17.10	17.47	17.75	18.03	17.72	17.81	17.87	17.80	17.98	17.80	17.93	17.95	17.90	17.96	17.91	18.00	0.4%
M85 12/	13.25	11.77	10.35	10.31	10.64	11.03	11.41	11.73	11.98	12.26	12.48	12.54	12.56	12.58	12.59	12.60	12.62	12.61	12.63	12.64	12.62	12.65	12.67	12.71	-0.2%
Electricity	27.91	27.18	26.37	25.54	24.85	24.07	23.79	23.57	22.92	22.64	22.13	21.73	21.78	21.80	21.60	21.31	21.07	21.31	21.08	21.33	21.26	21.36	20.93	20.73	-1.3%
Non-Renewable Energy Expenditures by Sector (billion 1997 dollars)																									
Residential	24.22	22.58	23.21	23.19	23.11	22.81	22.74	22.76	22.61	22.59	22.49	22.49	22.55	22.62	22.66	22.66	22.57	22.76	22.76	23.01	22.98	23.07	22.96	23.04	-0.2%
Commercial	18.56	17.82	17.96	17.62	17.33	17.04	16.98	16.97	16.78	16.75	16.54	16.29	16.29	16.32	16.26	16.15	16.06	16.19	16.10	16.31	16.27	16.34	16.06	15.88	-0.7%
Industrial	11.24	9.89	9.96	9.98	10.09	10.16	10.28	10.38	10.40	10.53	10.61	10.60	10.71	10.89	10.87	10.84	10.80	10.99	11.05	11.14	11.24	11.32	11.26	11.25	0.0%
Transportation	23.28	20.46	21.13	22.27	23.31	24.24	25.34	26.49	27.25	28.16	28.93	29.51	29.81	30.07	30.11	30.16	30.33	30.30	30.46	30.58	30.46	30.59	30.51	30.65	1.2%
Total Non-Renewable Expenditure	77.29	70.75	72.25	73.05	73.85	74.25	75.33	76.60	77.05	78.03	78.57	78.89	79.36	79.92	79.90	79.81	79.76	80.24	80.37	81.03	80.95	81.32	80.79	80.81	0.2%
Transportation Renewable Expenditures	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.11	0.11	0.12	0.13	0.13	0.14	0.15	0.15	0.16	0.16	0.16	0.16	0.17	23.7%
Total Expenditures	77.29	70.75	72.27	73.07	73.88	74.29	75.38	76.66	77.12	78.11	78.66	79.00	79.47	80.04	80.03	79.94	79.90	80.38	80.53	81.19	81.11	81.48	80.95	80.98	0.2%

Table 12. Energy Prices by Sector and Source (02 - Middle Atlantic) Notes

- 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/ Low sulfur diesel fuel. 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 and State taxes and excludes county 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).
- 12/ M85 is 85 percent methanol and 15 percent motor gasoline.
- 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: 1997 figures may differ from published data due to internal rounding.

Sources: 1997 prices for gasoline, distillate, and jet fuel are based on prices in various issues of Energy Information Administration (EIA), Petroleum Marketing Monthly, DOE/EIA-0380 (97/03-98/04) (Washington, DC, 1997-98). 1997 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditures Report: 1995, DOE/EIA-0376(95) (Washington, DC, August, 1998).

1997 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991.

1997 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(98/06)

(Washington, DC, June 1998). Other 1997 natural gas delivered prices: EIA, AEO99 National Energy Modeling System run

AEO99B.D100198A. Values for 1997 coal prices have been estimated from EIA, State Energy Price and Expenditures Report:

1995, DOE/EIA-0376(95) (Washington, DC, August, 1998) by use of consumption quantities aggregated from EIA, State Energy Data

Report 1995, DOE/EIA-0214(95) (Washington, DC, December 1997) and the Coal Industry Annual 1997, DOE/EIA-0584(97) (Washington,

DC, November 1998). 1997 electricity prices for commercial, industrial, and transportation: EIA, AEO99 National Energy Modeling

System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 13. Energy Prices by Sector and Source (1997 Dollars per Million Btu) 03 - East North Central																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020
Residential	10.26	10.03	9.91	9.87	9.84	9.74	9.79	9.79	9.82	9.86	9.85	9.82	9.81	9.79	9.75	9.60	9.57	9.51	9.52	9.49	9.49	9.48	9.45	9.40	-0.4%
Primary Energy 1/	6.14	5.48	5.73	5.67	5.67	5.66	5.64	5.62	5.65	5.67	5.66	5.61	5.59	5.57	5.56	5.53	5.52	5.51	5.50	5.52	5.54	5.54	5.52	5.51	-0.5%
Petroleum Products 2/	8.44	7.32	7.45	7.54	7.77	8.05	8.32	8.62	8.88	9.09	9.19	9.05	9.12	9.13	9.18	9.22	9.31	9.38	9.35	9.42	9.61	9.66	9.69	9.75	0.6%
Distillate Fuel	6.57	5.34	5.46	5.66	5.84	6.03	6.26	6.48	6.64	6.78	6.90	6.88	6.96	6.90	6.96	7.00	7.04	7.12	7.12	7.17	7.27	7.31	7.30	7.35	0.5%
Liquefied Petroleum Gas	10.47	9.29	9.44	9.33	9.52	9.81	10.04	10.35	10.66	10.88	10.92	10.66	10.69	10.71	10.75	10.79	10.90	10.96	10.90	10.97	11.23	11.28	11.32	11.38	0.4%
Natural Gas	5.87	5.26	5.54	5.46	5.43	5.38	5.33	5.27	5.28	5.28	5.26	5.22	5.20	5.18	5.16	5.13	5.12	5.10	5.10	5.13	5.13	5.13	5.12	5.10	-0.6%
Electricity	24.03	23.69	23.07	22.76	22.25	21.77	21.89	21.91	21.81	21.79	21.72	21.66	21.57	21.44	21.18	20.58	20.37	20.04	19.96	19.66	19.49	19.32	19.12	18.89	-1.0%
Commercial	11.11	11.03	10.87	10.81	10.69	10.56	10.62	10.61	10.58	10.61	10.58	10.52	10.48	10.43	10.36	10.14	10.07	9.96	9.90	9.82	9.77	9.73	9.67	9.60	-0.6%
Primary Energy 1/	5.37	4.72	4.92	4.87	4.88	4.89	4.90	4.89	4.92	4.93	4.92	4.89	4.88	4.86	4.86	4.84	4.84	4.84	4.84	4.87	4.88	4.88	4.87	4.86	-0.4%
Petroleum Products 2/	6.37	5.46	5.63	5.46	5.64	5.88	6.13	6.40	6.61	6.80	6.91	6.85	6.91	6.89	6.95	6.99	7.07	7.12	7.12	7.19	7.33	7.38	7.39	7.46	0.7%
Distillate Fuel	4.70	3.65	3.80	3.74	3.92	4.11	4.34	4.56	4.72	4.86	4.98	4.96	5.04	4.98	5.04	5.08	5.12	5.20	5.20	5.25	5.35	5.39	5.38	5.43	0.6%
Residual Fuel	2.51	1.81	1.88	1.90	2.07	2.23	2.36	2.50	2.43	2.59	2.73	2.68	2.77	2.74	2.76	2.79	2.82	2.75	2.70	2.86	2.82	2.85	2.80	2.82	0.5%
Natural Gas 3/	5.36	4.75	4.95	4.91	4.91	4.90	4.89	4.86	4.87	4.88	4.86	4.83	4.81	4.80	4.79	4.77	4.76	4.76	4.76	4.79	4.79	4.79	4.78	4.77	-0.5%
Electricity	20.78	20.80	20.69	20.50	20.07	19.63	19.73	19.66	19.50	19.47	19.36	19.23	19.11	18.95	18.71	18.10	17.89	17.55	17.33	17.01	16.83	16.69	16.50	16.30	-1.0%
Industrial 4/	5.34	4.85	4.87	4.92	4.99	5.05	5.15	5.22	5.26	5.31	5.34	5.32	5.34	5.34	5.34	5.28	5.28	5.28	5.25	5.24	5.25	5.26	5.24	5.23	-0.1%
Primary Energy	3.68	3.11	3.11	3.24	3.34	3.44	3.53	3.62	3.69	3.77	3.83	3.82	3.85	3.87	3.90	3.91	3.95	3.98	3.99	4.02	4.06	4.08	4.09	4.11	0.5%
Petroleum Products 2/	5.17	4.08	3.99	4.31	4.50	4.70	4.90	5.09	5.22	5.38	5.52	5.48	5.52	5.54	5.61	5.63	5.70	5.76	5.73	5.77	5.88	5.91	5.92	5.98	0.6%
Distillate Fuel	5.09	4.11	4.26	4.15	4.34	4.52	4.76	4.98	5.13	5.27	5.40	5.37	5.45	5.39	5.46	5.49	5.54	5.61	5.62	5.67	5.76	5.81	5.79	5.85	0.6%
Liquefied Petroleum Gas	10.10	8.42	8.58	8.88	9.07	9.37	9.60	9.91	10.22	10.44	10.48	10.21	10.24	10.27	10.31	10.34	10.46	10.52	10.46	10.53	10.79	10.83	10.88	10.94	0.3%
Residual Fuel	2.97	1.93	2.00	1.98	2.15	2.31	2.44	2.58	2.51	2.67	2.81	2.76	2.85	2.82	2.84	2.87	2.90	2.83	2.78	2.94	2.91	2.93	2.88	2.90	-0.1%
Natural Gas 5/	3.36	3.00	3.11	3.10	3.16	3.21	3.25	3.28	3.32	3.36	3.37	3.38	3.39	3.40	3.41	3.42	3.43	3.45	3.48	3.51	3.53	3.54	3.53	3.52	0.2%
Metallurgical Coal	1.82	1.78	1.76	1.74	1.72	1.71	1.70	1.68	1.67	1.66	1.64	1.63	1.62	1.61	1.59	1.58	1.56	1.55	1.53	1.52	1.51	1.50	1.48	1.47	-0.9%
Steam Coal	1.42	1.35	1.33	1.32	1.30	1.28	1.27	1.25	1.24	1.23	1.21	1.20	1.19	1.18	1.17	1.16	1.15	1.14	1.13	1.12	1.11	1.10	1.09	1.08	-1.2%
Electricity	12.63	12.37	12.59	12.60	12.46	12.30	12.43	12.39	12.19	12.06	11.95	11.87	11.80	11.72	11.53	11.11	10.96	10.76	10.58	10.36	10.23	10.14	10.01	9.89	-1.1%
Transportation	8.94	7.64	7.75	7.80	8.03	8.24	8.49	8.75	8.90	9.06	9.18	9.28	9.29	9.33	9.35	9.33	9.41	9.31	9.38	9.39	9.41	9.43	9.38	9.42	0.2%
Primary Energy	8.92	7.62	7.73	7.78	8.02	8.22	8.47	8.73	8.88	9.04	9.15	9.26	9.26	9.31	9.33	9.30	9.39	9.29	9.36	9.37	9.39	9.41	9.36	9.40	0.2%
Petroleum Products 2/	8.92	7.62	7.73	7.78	8.02	8.22	8.47	8.73	8.88	9.04	9.16	9.26	9.27	9.31	9.33	9.31	9.39	9.29	9.36	9.38	9.39	9.42	9.36	9.40	0.2%
Distillate Fuel 6/	8.58	7.41	7.37	7.44	7.59	7.75	7.98	8.20	8.40	8.53	8.61	8.52	8.62	8.47	8.48	8.47	8.43	8.45	8.50	8.51	8.57	8.59	8.49	8.50	-0.0%
Jet Fuel 7/	4.99	3.62	3.79	3.72	3.92	4.13	4.37	4.61	4.86	5.02	5.13	5.19	5.22	5.27	5.32	5.38	5.53	5.48	5.54	5.62	5.85	5.89	5.92	5.95	0.8%
Motor Gasoline 8/	9.60	8.22	8.39	8.50	8.76	8.98	9.24	9.52	9.65	9.83	9.96	10.15	10.13	10.24	10.27	10.23	10.35	10.22	10.31	10.32	10.29	10.32	10.27	10.33	0.3%
Residual Fuel	3.03	1.95	2.01	1.50	1.64	1.79	1.96	2.23	2.33	2.53	2.66	2.57	2.62	2.71	2.68	2.71	2.76	2.81	2.69	2.75	2.88	2.91	2.94	2.97	-0.1%
Liquid Petroleum Gas 9/	12.86	12.71	12.86	12.40	12.56	12.82	13.02	13.30	13.58	13.77	13.77	13.48	13.48	13.47	13.47	13.47	13.55	13.58	13.48	13.52	13.74	13.75	13.76	13.78	0.3%
Natural Gas 10/	7.03	7.05	7.12	7.10	7.12	7.17	7.21	7.24	7.31	7.40	7.46	7.50	7.54	7.57	7.58	7.58	7.59	7.61	7.62	7.63	7.62	7.61	7.58	7.54	0.3%
E85 11/	16.27	14.20	14.38	13.21	13.59	13.91	14.29	14.70	14.89	15.15	15.35	15.61	15.28	15.38	15.44	15.35	15.54	15.34	15.47	15.48	15.44	15.48	15.40	15.47	-0.2%
M85 12/	13.25	11.77	10.35	9.49	10.52	10.84	11.23	11.54	11.80	12.44	12.67	12.74	12.75	13.17	13.20	13.21	13.26	13.23	13.27	13.28	13.30	13.33	13.35	13.40	0.0%
Electricity	15.75	15.60	15.37	15.21	14.98	14.76	14.98	14.84	14.71	14.52	14.36	13.88	13.77	13.71	13.30	13.04	12.88	12.69	12.53	12.36	12.22	12.05	11.89	11.73	-1.3%
Average End-Use Energy	8.21	7.54	7.58	7.58	7.65	7.70	7.83	7.95	8.01	8.08	8.12	8.14	8.14	8.15	8.14	8.06	8.07	8.01	8.01	7.99	7.99	7.99	7.95	7.94	-0.1%
Primary Energy	8.16	7.40	7.46	7.46	7.54	7.61	7.76	7.89	7.96	8.04	8.10	8.12	8.12	8.14	8.13	8.06	8.08	8.01	8.02	8.01	8.01	8.01	7.97	7.96	-0.1%
Electricity	18.37	18.21	18.15	18.05	17.72	17.37	17.49	17.45	17.27	17.18	17.07	16.98	16.88	16.76	16.54	16.02	15.84	15.56	15.39	15.13	14.97	14.84	14.67	14.50	-1.0%

Table 13. Energy Prices by Sector and Source (1997 Dollars per Million Btu) 03 - East North Central																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electric Generators 13/																									
Fossil Fuel Average	1.32	1.28	1.27	1.27	1.27	1.26	1.26	1.25	1.25	1.26	1.26	1.26	1.25	1.25	1.25	1.26	1.26	1.27	1.28	1.29	1.30	1.31	1.31	1.30	-0.1%
Petroleum Products	3.94	3.13	3.44	3.62	3.80	3.99	4.22	4.44	4.60	4.74	4.87	4.83	4.91	4.85	4.92	4.96	4.99	5.08	5.08	5.13	5.23	5.27	5.26	5.30	1.3%
Distillate Fuel	4.47	3.49	3.64	3.63	3.81	4.00	4.23	4.46	4.61	4.75	4.88	4.85	4.93	4.87	4.93	4.98	5.01	5.09	5.09	5.14	5.24	5.28	5.27	5.32	0.8%
Residual Fuel	3.19	2.29	2.36	3.17	3.35	3.49	3.62	3.73	3.71	3.87	4.01	3.97	4.06	4.03	4.05	4.04	4.11	4.04	3.99	4.13	4.10	4.14	4.08	4.10	1.1%
Natural Gas	2.08	1.57	1.81	2.33	2.40	2.44	2.46	2.45	2.49	2.58	2.60	2.56	2.56	2.58	2.59	2.62	2.64	2.70	2.69	2.73	2.74	2.74	2.75	2.74	1.2%
Steam Coal	1.29	1.25	1.24	1.24	1.23	1.22	1.21	1.20	1.19	1.18	1.17	1.15	1.13	1.12	1.10	1.09	1.08	1.07	1.05	1.04	1.03	1.02	1.01	0.99	-1.1%
Average Price to All Users 14/																									
Petroleum Products 2/	8.00	6.79	6.87	6.98	7.21	7.41	7.65	7.90	8.05	8.21	8.33	8.39	8.41	8.44	8.48	8.47	8.54	8.49	8.53	8.55	8.59	8.61	8.57	8.61	0.3%
Distillate Fuel	7.58	6.54	6.55	6.60	6.76	6.94	7.17	7.39	7.58	7.72	7.81	7.74	7.83	7.71	7.73	7.74	7.71	7.75	7.78	7.81	7.87	7.90	7.82	7.84	0.1%
Jet Fuel	4.99	3.62	3.79	3.72	3.92	4.13	4.37	4.61	4.86	5.02	5.13	5.19	5.22	5.27	5.32	5.38	5.53	5.48	5.54	5.62	5.85	5.89	5.92	5.95	0.8%
Liquefied Petroleum Gas	10.30	8.86	9.03	9.14	9.35	9.66	9.91	10.24	10.56	10.80	10.85	10.60	10.63	10.66	10.70	10.74	10.86	10.92	10.85	10.93	11.18	11.22	11.27	11.32	0.4%
Motor Gasoline 8/	9.60	8.22	8.39	8.50	8.76	8.98	9.24	9.52	9.65	9.83	9.96	10.15	10.13	10.24	10.27	10.23	10.35	10.22	10.31	10.32	10.29	10.32	10.27	10.33	0.3%
Residual Fuel	3.03	2.05	2.06	1.92	2.10	2.24	2.38	2.54	2.48	2.66	2.79	2.75	2.82	2.81	2.83	2.86	2.89	2.84	2.77	2.91	2.91	2.93	2.90	2.93	-0.2%
Natural Gas	4.75	4.06	4.39	4.38	4.38	4.37	4.36	4.34	4.34	4.34	4.31	4.27	4.24	4.22	4.20	4.17	4.16	4.15	4.12	4.13	4.11	4.10	4.08	4.06	-0.7%
Coal	1.33	1.26	1.25	1.25	1.24	1.23	1.22	1.21	1.20	1.19	1.17	1.16	1.14	1.13	1.11	1.10	1.09	1.07	1.06	1.05	1.04	1.03	1.02	1.00	-1.2%
E85 11/	16.27	14.20	14.38	13.21	13.59	13.91	14.29	14.70	14.89	15.15	15.35	15.61	15.28	15.38	15.44	15.35	15.54	15.34	15.47	15.48	15.44	15.48	15.40	15.47	-0.2%
M85 12/	13.25	11.77	10.35	9.49	10.52	10.84	11.23	11.54	11.80	12.44	12.67	12.74	12.75	13.17	13.20	13.21	13.26	13.23	13.27	13.28	13.30	13.33	13.35	13.40	0.0%
Electricity	18.37	18.21	18.15	18.05	17.72	17.37	17.49	17.45	17.27	17.18	17.07	16.98	16.88	16.76	16.54	16.02	15.84	15.56	15.39	15.13	14.97	14.84	14.67	14.50	-1.0%
Non-Renewable Energy Expenditures by Sector (billion 1997 dollars)																									
Residential	24.05	22.37	23.61	23.64	23.54	23.29	23.34	23.39	23.35	23.39	23.37	23.38	23.29	23.26	23.27	23.10	23.04	22.99	23.05	23.11	23.10	23.13	23.13	23.15	-0.2%
Commercial	16.31	15.86	16.57	16.59	16.52	16.43	16.60	16.67	16.72	16.83	16.87	16.88	16.92	16.94	16.92	16.66	16.62	16.50	16.43	16.30	16.23	16.15	16.02	15.87	-0.1%
Industrial	20.01	18.47	18.80	19.15	19.52	19.79	20.26	20.61	20.91	21.30	21.53	21.58	21.74	21.86	21.88	21.74	21.82	21.96	22.09	22.13	22.35	22.51	22.56	22.66	0.5%
Transportation	31.75	27.95	28.79	29.87	31.26	32.49	33.94	35.41	36.53	37.68	38.60	39.44	39.83	40.38	40.63	40.65	41.12	40.88	41.35	41.52	41.72	41.95	41.80	42.04	1.2%
Total Non-Renewable Expenditure	92.12	84.64	87.76	89.26	90.84	92.00	94.13	96.08	97.51	99.20	100.4	101.3	101.8	102.4	102.7	102.1	102.6	102.3	102.9	103.1	103.4	103.7	103.5	103.7	0.5%
Transportation Renewable Expenditures	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.11	0.11	0.12	0.13	0.13	0.14	0.15	0.15	0.16	0.16	0.16	0.16	0.17	23.0%
Total Expenditures	92.12	84.65	87.78	89.28	90.87	92.04	94.18	96.14	97.58	99.28	100.5	101.4	101.9	102.6	102.8	102.3	102.7	102.5	103.1	103.2	103.6	103.9	103.7	103.9	0.5%

Table 13. Energy Prices by Sector and Source (03 - East North Central) Notes

- 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/ Low sulfur diesel fuel. 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 and State taxes and excludes county 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).
- 12/ M85 is 85 percent methanol and 15 percent motor gasoline.
- 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: 1997 figures may differ from published data due to internal rounding.

Sources: 1997 prices for gasoline, distillate, and jet fuel are based on prices in various issues of Energy Information Administration (EIA), Petroleum Marketing Monthly, DOE/EIA-0380 (97/03-98/04) (Washington, DC, 1997-98). 1997 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditures Report: 1995, DOE/EIA-0376(95) (Washington, DC, August, 1998).

1997 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991.

1997 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(98/06)

(Washington, DC, June 1998). Other 1997 natural gas delivered prices: EIA, AEO99 National Energy Modeling System run

AEO99B.D100198A. Values for 1997 coal prices have been estimated from EIA, State Energy Price and Expenditures Report:

1995, DOE/EIA-0376(95) (Washington, DC, August, 1998) by use of consumption quantities aggregated from EIA, State Energy Data

Report 1995, DOE/EIA-0214(95) (Washington, DC, December 1997) and the Coal Industry Annual 1997, DOE/EIA-0584(97) (Washington,

DC, November 1998). 1997 electricity prices for commercial, industrial, and transportation: EIA, AEO99 National Energy Modeling

System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 14. Energy Prices by Sector and Source (1997 Dollars per Million Btu) 04 - West North Central																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electric Generators 13/																									
Fossil Fuel Average	0.98	0.94	0.93	0.92	0.92	0.91	0.90	0.90	0.92	0.93	0.93	0.93	0.93	0.93	0.94	0.94	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	-0.3%
Petroleum Products	3.72	2.43	2.55	3.23	3.45	3.76	4.14	4.40	4.64	4.85	5.08	5.04	5.13	5.07	5.14	5.18	5.22	5.29	5.30	5.36	5.45	5.51	5.50	5.55	1.8%
Distillate Fuel	4.44	3.52	3.67	3.75	3.95	4.15	4.40	4.64	4.80	4.96	5.09	5.07	5.15	5.09	5.16	5.21	5.24	5.32	5.33	5.38	5.48	5.53	5.51	5.57	1.0%
Residual Fuel	2.63	1.50	1.57	2.26	2.44	2.60	2.73	2.82	2.80	2.96	3.10	3.05	3.14	3.11	3.13	3.12	3.19	3.12	3.07	3.23	3.19	3.22	3.17	3.19	0.9%
Natural Gas	2.54	2.27	2.35	2.36	2.42	2.49	2.59	2.70	2.82	2.88	2.88	2.87	2.87	2.89	2.95	2.97	2.98	3.00	3.03	3.08	3.10	3.11	3.13	3.13	0.9%
Steam Coal	0.92	0.89	0.89	0.88	0.87	0.86	0.86	0.85	0.84	0.83	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	0.71	0.70	-1.2%
Average Price to All Users 14/																									
Petroleum Products 2/	8.06	6.66	6.76	7.06	7.30	7.53	7.79	8.05	8.23	8.40	8.52	8.56	8.57	8.59	8.63	8.62	8.69	8.64	8.68	8.70	8.75	8.78	8.74	8.78	0.4%
Distillate Fuel	7.37	6.25	6.27	6.41	6.60	6.79	7.05	7.29	7.48	7.63	7.74	7.67	7.76	7.64	7.67	7.68	7.66	7.71	7.74	7.76	7.83	7.86	7.79	7.82	0.3%
Jet Fuel	5.45	4.04	4.19	4.00	4.22	4.43	4.67	4.91	5.15	5.32	5.43	5.49	5.52	5.57	5.62	5.68	5.83	5.78	5.83	5.91	6.14	6.18	6.21	6.25	0.6%
Liquefied Petroleum Gas	8.40	6.76	6.93	7.38	7.60	7.93	8.20	8.54	8.86	9.10	9.14	8.89	8.92	8.96	8.99	9.04	9.15	9.21	9.15	9.22	9.48	9.52	9.57	9.62	0.6%
Motor Gasoline 8/	9.53	8.00	8.18	8.57	8.85	9.09	9.36	9.66	9.81	10.00	10.14	10.33	10.28	10.39	10.43	10.39	10.52	10.38	10.48	10.49	10.47	10.50	10.46	10.51	0.4%
Residual Fuel	2.27	1.48	1.55	2.04	2.19	2.26	2.26	2.35	2.25	2.39	2.50	2.45	2.54	2.51	2.53	2.56	2.59	2.53	2.47	2.62	2.60	2.62	2.58	2.60	0.6%
Natural Gas	4.62	4.19	4.44	4.38	4.38	4.39	4.39	4.37	4.36	4.34	4.31	4.28	4.27	4.24	4.24	4.23	4.22	4.21	4.21	4.23	4.23	4.23	4.23	4.22	-0.4%
Coal	0.94	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.80	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	-1.1%
E85 11/	16.27	14.20	14.38	13.56	13.94	14.27	14.66	15.07	15.27	15.53	15.73	15.99	15.66	15.76	15.81	15.73	15.91	15.71	15.84	15.86	15.81	15.85	15.78	15.85	-0.1%
M85 12/	13.25	11.77	10.35	9.43	10.47	10.79	11.19	11.50	11.76	12.41	12.64	12.71	12.71	13.13	13.16	13.17	13.22	13.19	13.23	13.25	13.27	13.30	13.32	13.37	0.0%
Electricity	18.10	17.80	17.40	17.14	16.91	16.66	16.72	16.78	16.65	16.63	16.58	16.50	16.45	16.37	16.15	15.82	15.62	15.43	15.37	15.25	15.17	15.06	14.97	14.80	-0.9%
Non-Renewable Energy Expenditures by Sector (billion 1997 dollars)																									
Residential	9.91	9.44	9.80	9.83	9.85	9.81	9.86	9.95	9.95	10.00	10.01	10.03	10.02	10.03	10.05	10.03	10.00	10.01	10.04	10.10	10.12	10.14	10.17	10.19	0.1%
Commercial	6.67	6.47	6.66	6.65	6.68	6.70	6.79	6.86	6.92	7.00	7.06	7.08	7.13	7.17	7.17	7.13	7.11	7.13	7.14	7.15	7.14	7.12	7.08	7.08	0.3%
Industrial	7.69	6.71	6.83	7.00	7.20	7.37	7.58	7.80	7.99	8.21	8.36	8.39	8.49	8.57	8.59	8.62	8.68	8.78	8.89	8.97	9.11	9.20	9.27	9.34	0.8%
Transportation	16.33	14.18	14.58	15.56	16.36	17.08	17.92	18.76	19.44	20.11	20.66	21.12	21.37	21.67	21.86	21.92	22.18	22.11	22.39	22.51	22.67	22.84	22.81	22.97	1.5%
Total Non-Renewable Expenditure	40.60	36.79	37.87	39.05	40.09	40.95	42.15	43.37	44.30	45.31	46.09	46.63	47.02	47.44	47.67	47.69	47.99	48.00	48.45	48.72	49.05	49.33	49.36	49.58	0.9%
Transportation Renewable Expenditures	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.08	23.5%
Total Expenditures	40.60	36.80	37.88	39.05	40.11	40.97	42.17	43.39	44.33	45.35	46.13	46.67	47.07	47.50	47.72	47.75	48.05	48.07	48.52	48.79	49.13	49.40	49.44	49.66	0.9%

Table 14. Energy Prices by Sector and Source (04 - West North Central) Notes

- 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/ Low sulfur diesel fuel. 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 and State taxes and excludes county 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).
- 12/ M85 is 85 percent methanol and 15 percent motor gasoline.
- 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: 1997 figures may differ from published data due to internal rounding.

Sources: 1997 prices for gasoline, distillate, and jet fuel are based on prices in various issues of Energy Information Administration (EIA), Petroleum Marketing Monthly, DOE/EIA-0380 (97/03-98/04) (Washington, DC, 1997-98). 1997 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditures Report: 1995, DOE/EIA-0376(95) (Washington, DC, August, 1998).

1997 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991.

1997 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(98/06)

(Washington, DC, June 1998). Other 1997 natural gas delivered prices: EIA, AEO99 National Energy Modeling System run

AEO99B.D100198A. Values for 1997 coal prices have been estimated from EIA, State Energy Price and Expenditures Report:

1995, DOE/EIA-0376(95) (Washington, DC, August, 1998) by use of consumption quantities aggregated from EIA, State Energy Data

Report 1995, DOE/EIA-0214(95) (Washington, DC, December 1997) and the Coal Industry Annual 1997, DOE/EIA-0584(97) (Washington,

DC, November 1998). 1997 electricity prices for commercial, industrial, and transportation: EIA, AEO99 National Energy Modeling

System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 15. Energy Prices by Sector and Source (1997 Dollars per Million Btu) 05 - South Atlantic																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electric Generators 13/																									
Fossil Fuel Average	1.69	1.57	1.56	1.51	1.52	1.52	1.51	1.50	1.50	1.51	1.52	1.48	1.47	1.48	1.46	1.45	1.44	1.43	1.41	1.40	1.37	1.36	1.35	1.33	-1.0%
Petroleum Products	2.88	2.03	2.11	2.28	2.48	2.63	2.80	2.95	2.96	3.15	3.31	3.23	3.33	3.29	3.33	3.33	3.41	3.39	3.37	3.54	3.55	3.60	3.54	3.60	1.0%
Distillate Fuel	4.35	3.28	3.44	3.66	3.84	4.03	4.26	4.48	4.64	4.78	4.90	4.88	4.96	4.90	4.96	5.01	5.04	5.12	5.12	5.17	5.27	5.31	5.30	5.35	0.9%
Residual Fuel	2.71	1.92	2.00	2.18	2.37	2.51	2.66	2.76	2.74	2.90	3.05	2.99	3.08	3.05	3.08	3.06	3.13	3.06	3.02	3.17	3.14	3.17	3.12	3.14	0.6%
Natural Gas	2.57	2.73	2.84	2.82	2.84	2.88	2.91	2.95	3.03	3.11	3.16	3.18	3.19	3.23	3.25	3.27	3.29	3.34	3.37	3.39	3.40	3.42	3.42	3.40	1.2%
Steam Coal	1.47	1.43	1.41	1.35	1.34	1.32	1.30	1.28	1.27	1.25	1.23	1.18	1.17	1.16	1.14	1.12	1.10	1.09	1.07	1.05	1.04	1.03	1.02	1.01	-1.6%
Average Price to All Users 14/																									
Petroleum Products 2/	7.45	6.30	6.37	6.68	6.91	7.13	7.43	7.70	7.86	8.04	8.17	8.24	8.26	8.30	8.34	8.32	8.41	8.35	8.39	8.43	8.46	8.49	8.45	8.49	0.6%
Distillate Fuel	7.28	6.23	6.24	6.72	6.88	7.06	7.30	7.53	7.73	7.86	7.96	7.89	7.99	7.86	7.89	7.90	7.87	7.91	7.95	7.98	8.05	8.08	8.00	8.02	0.4%
Jet Fuel	5.34	3.99	4.14	3.94	4.14	4.35	4.59	4.83	5.08	5.25	5.35	5.41	5.44	5.49	5.55	5.60	5.75	5.70	5.76	5.84	6.07	6.11	6.14	6.17	0.6%
Liquefied Petroleum Gas	11.11	10.39	10.55	11.22	11.47	11.80	12.07	12.42	12.74	12.98	13.02	12.81	12.84	12.87	12.85	12.89	13.00	13.11	12.98	13.10	13.29	13.36	13.41	13.46	0.8%
Motor Gasoline 8/	9.16	7.88	8.04	8.28	8.54	8.76	9.01	9.30	9.43	9.60	9.73	9.93	9.90	10.01	10.04	10.01	10.13	9.99	10.08	10.10	10.07	10.10	10.05	10.10	0.4%
Residual Fuel	2.72	1.89	1.96	1.86	2.03	2.16	2.23	2.33	2.29	2.44	2.56	2.51	2.58	2.57	2.57	2.57	2.60	2.56	2.47	2.57	2.59	2.61	2.59	2.61	-0.2%
Natural Gas	4.58	4.35	4.49	4.42	4.38	4.35	4.33	4.32	4.34	4.35	4.35	4.34	4.33	4.32	4.33	4.32	4.32	4.34	4.38	4.42	4.43	4.44	4.44	4.42	-0.2%
Coal	1.50	1.45	1.43	1.37	1.36	1.34	1.32	1.31	1.29	1.27	1.26	1.21	1.20	1.19	1.17	1.15	1.13	1.12	1.10	1.08	1.07	1.06	1.05	1.03	-1.6%
E85 11/	16.27	14.20	14.38	15.16	15.72	16.19	16.75	17.30	17.61	18.00	18.30	18.58	18.28	18.40	18.47	18.40	18.61	18.42	18.57	18.60	18.58	18.64	18.59	18.69	0.6%
M85 12/	13.25	11.77	10.35	8.85	9.87	10.20	10.58	10.90	11.15	11.80	12.02	12.09	12.10	12.52	12.55	12.56	12.61	12.58	12.62	12.64	12.65	12.69	12.70	12.75	-0.2%
Electricity	19.54	19.20	19.01	18.92	18.70	18.45	18.57	18.66	18.58	18.49	18.38	18.23	18.13	18.06	17.76	17.63	17.54	17.50	17.36	17.24	17.14	17.02	16.90	16.75	-0.7%
Non-Renewable Energy Expenditures by Sector (billion 1997 dollars)																									
Residential	25.32	24.83	25.53	26.18	26.64	26.87	27.46	28.13	28.52	29.03	29.45	29.88	30.21	30.66	30.89	31.31	31.64	32.13	32.44	32.88	33.09	33.38	33.64	33.93	1.3%
Commercial	18.11	17.76	18.08	18.35	18.46	18.57	18.92	19.26	19.56	19.78	20.00	20.15	20.36	20.57	20.61	20.76	20.95	21.16	21.28	21.41	21.54	21.62	21.67	21.67	0.8%
Industrial	14.31	12.98	13.04	13.53	13.83	14.12	14.42	14.75	14.99	15.28	15.54	15.60	15.78	15.95	16.02	16.13	16.27	16.54	16.67	16.82	17.06	17.23	17.32	17.45	0.9%
Transportation	36.25	31.83	32.79	34.97	36.92	38.72	40.85	43.05	44.83	46.67	48.25	49.77	50.72	51.91	52.71	53.25	54.40	54.59	55.71	56.48	57.31	58.20	58.59	59.52	2.2%
Total Non-Renewable Expenditure	93.99	87.40	89.44	93.03	95.84	98.28	101.7	105.2	107.9	110.8	113.2	115.4	117.1	119.1	120.2	121.4	123.3	124.4	126.1	127.6	129.0	130.4	131.2	132.6	1.5%
Transportation Renewable Expenditures	0.00	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.10	0.12	0.13	0.15	0.16	0.18	0.19	0.20	0.22	0.23	0.24	0.25	0.25	0.26	0.27	0.28	25.1%
Total Expenditures	94.00	87.41	89.46	93.06	95.88	98.33	101.7	105.3	108.0	110.9	113.4	115.5	117.2	119.3	120.4	121.7	123.5	124.6	126.3	127.8	129.3	130.7	131.5	132.9	1.5%

Table 15. Energy Prices by Sector and Source (05 - South Atlantic) Notes

- 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/ Low sulfur diesel fuel. 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 and State taxes and excludes county 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).
- 12/ M85 is 85 percent methanol and 15 percent motor gasoline.
- 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: 1997 figures may differ from published data due to internal rounding.

Sources: 1997 prices for gasoline, distillate, and jet fuel are based on prices in various issues of Energy Information Administration (EIA), Petroleum Marketing Monthly, DOE/EIA-0380 (97/03-98/04) (Washington, DC, 1997-98). 1997 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditures Report: 1995, DOE/EIA-0376(95) (Washington, DC, August, 1998).

1997 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991.

1997 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(98/06)

(Washington, DC, June 1998). Other 1997 natural gas delivered prices: EIA, AEO99 National Energy Modeling System run

AEO99B.D100198A. Values for 1997 coal prices have been estimated from EIA, State Energy Price and Expenditures Report:

1995, DOE/EIA-0376(95) (Washington, DC, August, 1998) by use of consumption quantities aggregated from EIA, State Energy Data

Report 1995, DOE/EIA-0214(95) (Washington, DC, December 1997) and the Coal Industry Annual 1997, DOE/EIA-0584(97) (Washington,

DC, November 1998). 1997 electricity prices for commercial, industrial, and transportation: EIA, AEO99 National Energy Modeling

System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 16. Energy Prices by Sector and Source (1997 Dollars per Million Btu) 06 - East South Central																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electric Generators 13/																									
Fossil Fuel Average	1.36	1.31	1.30	1.31	1.30	1.30	1.31	1.33	1.38	1.40	1.44	1.44	1.48	1.54	1.55	1.60	1.61	1.68	1.72	1.73	1.76	1.80	1.81	1.81	1.3%
Petroleum Products	3.20	1.90	1.99	3.88	4.34	4.53	4.76	4.99	5.15	5.29	5.41	5.38	5.46	5.40	5.47	5.52	5.55	5.63	5.63	5.69	5.78	5.83	5.81	5.87	2.7%
Distillate Fuel	4.39	3.72	3.87	4.19	4.37	4.56	4.79	5.01	5.17	5.30	5.43	5.41	5.49	5.42	5.49	5.54	5.57	5.65	5.65	5.70	5.79	5.84	5.83	5.88	1.3%
Residual Fuel	2.92	1.67	1.74	2.95	3.13	3.28	3.42	3.51	3.47	3.64	3.79	3.73	3.82	3.79	3.81	3.80	3.87	3.80	3.75	3.91	3.87	3.90	3.85	3.87	1.2%
Natural Gas	2.68	2.40	2.52	2.53	2.55	2.58	2.58	2.63	2.73	2.80	2.85	2.87	2.90	2.95	2.98	3.03	3.05	3.12	3.16	3.19	3.21	3.25	3.27	3.26	0.9%
Steam Coal	1.28	1.25	1.23	1.22	1.20	1.19	1.18	1.16	1.16	1.14	1.13	1.11	1.10	1.09	1.05	1.04	1.01	1.00	0.99	0.98	0.97	0.97	0.95	0.95	-1.3%
Average Price to All Users 14/																									
Petroleum Products 2/	7.60	6.36	6.41	6.86	7.08	7.28	7.52	7.76	7.91	8.07	8.19	8.24	8.26	8.29	8.32	8.30	8.37	8.32	8.35	8.38	8.41	8.44	8.39	8.43	0.5%
Distillate Fuel	7.31	6.29	6.28	6.64	6.80	6.96	7.20	7.41	7.61	7.74	7.83	7.75	7.85	7.72	7.74	7.74	7.71	7.75	7.78	7.80	7.87	7.90	7.81	7.83	0.3%
Jet Fuel	5.10	3.83	3.99	4.26	4.47	4.68	4.92	5.16	5.40	5.57	5.68	5.73	5.76	5.82	5.87	5.92	6.07	6.02	6.08	6.16	6.39	6.43	6.46	6.49	1.1%
Liquefied Petroleum Gas	10.77	8.44	8.61	8.84	9.04	9.35	9.60	9.93	10.24	10.47	10.51	10.30	10.33	10.37	10.35	10.38	10.49	10.59	10.46	10.59	10.77	10.83	10.88	10.93	0.1%
Motor Gasoline 8/	9.45	8.10	8.26	8.64	8.90	9.12	9.38	9.66	9.79	9.97	10.10	10.29	10.27	10.39	10.43	10.40	10.53	10.39	10.49	10.50	10.47	10.50	10.45	10.51	0.5%
Residual Fuel	2.79	1.55	1.61	0.65	0.69	0.84	0.99	1.24	1.31	1.50	1.63	1.55	1.60	1.66	1.65	1.67	1.71	1.75	1.64	1.71	1.82	1.84	1.86	1.89	-1.7%
Natural Gas	4.20	3.69	3.89	3.77	3.75	3.76	3.69	3.66	3.64	3.66	3.65	3.65	3.62	3.61	3.60	3.59	3.59	3.61	3.62	3.65	3.66	3.67	3.68	3.67	-0.6%
Coal	1.33	1.28	1.26	1.24	1.22	1.21	1.20	1.19	1.18	1.16	1.15	1.13	1.12	1.12	1.08	1.06	1.04	1.03	1.02	1.01	1.00	1.00	0.98	0.98	-1.3%
E85 11/	16.27	14.20	14.38	14.34	14.82	15.22	15.69	16.17	16.43	16.76	17.01	17.28	16.97	17.08	17.14	17.07	17.26	17.07	17.21	17.23	17.20	17.25	17.19	17.28	0.3%
M85 12/	13.25	11.77	10.35	9.96	10.99	11.31	11.70	12.01	12.26	12.91	13.13	13.20	13.21	13.63	13.66	13.67	13.72	13.69	13.73	13.75	13.77	13.80	13.81	13.86	0.2%
Electricity	16.69	16.48	16.44	16.42	16.21	16.02	16.20	16.31	16.23	16.10	15.95	15.80	15.68	15.62	15.34	15.16	15.06	14.93	14.83	14.68	14.60	14.50	14.39	14.25	-0.7%
Non-Renewable Energy Expenditures by Sector (billion 1997 dollars)																									
Residential	8.82	8.62	8.97	9.12	9.18	9.18	9.30	9.44	9.48	9.51	9.54	9.57	9.57	9.63	9.64	9.71	9.76	9.82	9.88	9.95	9.98	10.03	10.05	10.09	0.6%
Commercial	3.95	3.83	3.98	4.06	4.11	4.17	4.28	4.38	4.47	4.55	4.61	4.66	4.72	4.78	4.79	4.82	4.87	4.91	4.94	4.97	5.00	5.01	5.02	5.01	1.0%
Industrial	9.78	8.92	9.01	9.32	9.49	9.66	9.87	10.06	10.25	10.46	10.64	10.68	10.80	10.91	10.94	10.99	11.08	11.21	11.31	11.35	11.50	11.61	11.67	11.73	0.8%
Transportation	14.73	12.97	13.32	14.35	15.06	15.69	16.44	17.18	17.78	18.37	18.86	19.28	19.54	19.84	20.02	20.10	20.39	20.36	20.65	20.81	20.99	21.18	21.18	21.37	1.6%
Total Non-Renewable Expenditure	37.28	34.34	35.28	36.85	37.84	38.70	39.89	41.08	41.98	42.90	43.64	44.20	44.63	45.17	45.40	45.62	46.10	46.29	46.79	47.08	47.47	47.83	47.92	48.20	1.1%
Transportation Renewable Expenditures	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	24.0%
Total Expenditures	37.28	34.34	35.28	36.86	37.86	38.71	39.91	41.10	42.01	42.93	43.68	44.24	44.68	45.22	45.45	45.67	46.16	46.36	46.85	47.15	47.54	47.90	47.99	48.27	1.1%

Table 16. Energy Prices by Sector and Source (06 - East South Central) Notes

- 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/ Low sulfur diesel fuel. 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 and State taxes and excludes county 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).
- 12/ M85 is 85 percent methanol and 15 percent motor gasoline.
- 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: 1997 figures may differ from published data due to internal rounding.

Sources: 1997 prices for gasoline, distillate, and jet fuel are based on prices in various issues of Energy Information Administration (EIA), Petroleum Marketing Monthly, DOE/EIA-0380 (97/03-98/04) (Washington, DC, 1997-98). 1997 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditures Report: 1995, DOE/EIA-0376(95) (Washington, DC, August, 1998).

1997 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991.

1997 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(98/06)

(Washington, DC, June 1998). Other 1997 natural gas delivered prices: EIA, AEO99 National Energy Modeling System run

AEO99B.D100198A. Values for 1997 coal prices have been estimated from EIA, State Energy Price and Expenditures Report:

1995, DOE/EIA-0376(95) (Washington, DC, August, 1998) by use of consumption quantities aggregated from EIA, State Energy Data

Report 1995, DOE/EIA-0214(95) (Washington, DC, December 1997) and the Coal Industry Annual 1997, DOE/EIA-0584(97) (Washington,

DC, November 1998). 1997 electricity prices for commercial, industrial, and transportation: EIA, AEO99 National Energy Modeling

System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 17. Energy Prices by Sector and Source (1997 Dollars per Million Btu) 07 - West South Central																								1997- 2020	
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Electric Generators 13/																									
Fossil Fuel Average	1.84	1.65	1.70	1.70	1.73	1.75	1.75	1.76	1.80	1.83	1.86	1.87	1.89	1.91	1.93	1.95	1.96	1.99	2.02	2.05	2.06	2.06	2.05	2.04	0.5%
Petroleum Products	3.02	2.18	2.25	2.65	2.83	3.03	3.34	3.67	3.89	4.13	4.82	4.17	4.70	4.24	4.19	4.08	4.12	4.01	3.89	4.37	4.37	4.38	4.38	4.43	1.7%
Distillate Fuel	4.44	3.34	3.49	3.70	3.88	4.07	4.30	4.52	4.68	4.82	4.94	4.92	5.00	4.94	5.00	5.05	5.08	5.16	5.16	5.21	5.31	5.35	5.34	5.39	0.8%
Residual Fuel	2.97	2.15	2.22	2.62	2.79	2.95	3.08	3.17	3.14	3.30	3.45	3.40	3.49	3.45	3.48	3.46	3.53	3.47	3.42	3.57	3.54	3.57	3.52	3.54	0.8%
Natural Gas	2.68	2.41	2.54	2.53	2.58	2.62	2.65	2.73	2.82	2.90	2.95	2.98	3.02	3.06	3.08	3.11	3.13	3.17	3.21	3.26	3.29	3.30	3.31	3.30	0.9%
Steam Coal	1.26	1.23	1.22	1.21	1.20	1.19	1.18	1.17	1.16	1.15	1.14	1.13	1.11	1.10	1.08	1.07	1.06	1.04	1.03	1.02	1.01	1.00	0.98	0.97	-1.1%
Average Price to All Users 14/																									
Petroleum Products 2/	7.20	5.18	5.25	5.57	5.78	6.02	6.26	6.52	6.71	6.89	6.98	6.95	6.97	6.99	7.03	7.03	7.11	7.10	7.09	7.13	7.25	7.27	7.26	7.31	0.1%
Distillate Fuel	7.27	6.31	6.31	6.54	6.70	6.87	7.10	7.32	7.52	7.65	7.74	7.67	7.77	7.64	7.66	7.66	7.63	7.67	7.71	7.73	7.80	7.83	7.74	7.77	0.3%
Jet Fuel	4.67	3.37	3.52	3.88	4.08	4.29	4.53	4.77	5.02	5.18	5.29	5.35	5.38	5.43	5.49	5.54	5.69	5.64	5.70	5.78	6.01	6.05	6.08	6.11	1.2%
Liquefied Petroleum Gas	8.26	4.29	4.44	4.56	4.75	5.04	5.28	5.59	5.89	6.11	6.15	5.89	5.91	5.94	5.97	6.01	6.13	6.19	6.12	6.20	6.45	6.50	6.55	6.60	-1.0%
Motor Gasoline 8/	9.28	7.99	8.16	8.70	8.96	9.18	9.43	9.72	9.85	10.02	10.15	10.34	10.33	10.42	10.45	10.41	10.52	10.39	10.48	10.49	10.46	10.49	10.44	10.50	0.5%
Residual Fuel	2.77	1.75	1.80	1.44	1.54	1.52	1.54	1.76	1.84	2.03	2.15	2.08	2.12	2.21	2.19	2.22	2.26	2.31	2.20	2.26	2.37	2.40	2.42	2.46	-0.5%
Natural Gas	3.05	2.70	2.87	2.86	2.88	2.90	2.91	2.95	3.01	3.07	3.11	3.13	3.16	3.19	3.21	3.22	3.24	3.27	3.31	3.34	3.36	3.37	3.38	3.38	0.4%
Coal	1.27	1.23	1.22	1.21	1.20	1.19	1.18	1.17	1.17	1.15	1.14	1.13	1.12	1.10	1.09	1.07	1.06	1.05	1.03	1.02	1.01	1.00	0.99	0.97	-1.1%
E85 11/	16.27	14.20	14.38	14.62	15.10	15.50	15.97	16.46	16.71	17.04	17.29	17.56	17.25	17.36	17.42	17.35	17.54	17.35	17.49	17.51	17.48	17.53	17.47	17.56	0.3%
M85 12/	13.25	11.77	10.35	10.54	11.57	11.89	12.28	12.59	12.84	13.49	13.71	13.78	13.79	14.22	14.24	14.25	14.30	14.27	14.31	14.33	14.35	14.38	14.40	14.45	0.4%
Electricity	18.28	17.74	17.63	17.44	17.37	17.29	17.41	17.63	17.74	17.72	17.60	17.44	17.32	17.20	16.76	16.38	16.10	15.93	15.78	15.64	15.53	15.40	15.29	15.13	-0.8%
Non-Renewable Energy Expenditures by Sector (billion 1997 dollars)																									
Residential	14.45	13.87	14.41	14.62	14.82	14.89	15.10	15.41	15.55	15.65	15.73	15.82	15.86	15.95	15.91	15.93	15.94	16.00	16.10	16.27	16.35	16.45	16.57	16.68	0.6%
Commercial	10.72	10.35	10.65	10.72	10.86	10.99	11.17	11.38	11.65	11.89	12.03	12.13	12.25	12.36	12.32	12.27	12.28	12.37	12.44	12.45	12.50	12.53	12.53	12.50	0.7%
Industrial	32.59	23.08	24.09	25.24	26.26	27.39	28.20	29.28	30.49	31.73	32.50	32.40	32.90	33.34	33.71	34.05	34.56	35.22	35.53	36.08	37.06	37.56	37.87	38.30	0.7%
Transportation	26.35	22.77	23.54	25.87	27.34	28.75	30.38	32.10	33.56	35.04	36.28	37.38	38.19	39.06	39.70	40.21	41.11	41.37	42.18	42.86	43.75	44.48	44.83	45.55	2.4%
Total Non-Renewable Expenditure	84.11	70.08	72.69	76.46	79.29	82.02	84.83	88.16	91.26	94.31	96.54	97.72	99.19	100.7	101.7	102.5	103.9	105.0	106.2	107.7	109.7	111.0	111.8	113.0	1.3%
Transportation Renewable Expenditures	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.06	0.07	0.08	0.09	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15	24.7%
Total Expenditures	84.12	70.08	72.70	76.48	79.31	82.05	84.87	88.21	91.31	94.37	96.61	97.81	99.28	100.8	101.8	102.6	104.0	105.1	106.4	107.8	109.8	111.2	112.0	113.2	1.3%

Table 17. Energy Prices by Sector and Source (07 - West South Central) Notes

- 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/ Low sulfur diesel fuel. 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 and State taxes and excludes county 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).
- 12/ M85 is 85 percent methanol and 15 percent motor gasoline.
- 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: 1997 figures may differ from published data due to internal rounding.

Sources: 1997 prices for gasoline, distillate, and jet fuel are based on prices in various issues of Energy Information Administration (EIA), Petroleum Marketing Monthly, DOE/EIA-0380 (97/03-98/04) (Washington, DC, 1997-98). 1997 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditures Report: 1995, DOE/EIA-0376(95) (Washington, DC, August, 1998).

1997 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991.

1997 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(98/06)

(Washington, DC, June 1998). Other 1997 natural gas delivered prices: EIA, AEO99 National Energy Modeling System run

AEO99B.D100198A. Values for 1997 coal prices have been estimated from EIA, State Energy Price and Expenditures Report:

1995, DOE/EIA-0376(95) (Washington, DC, August, 1998) by use of consumption quantities aggregated from EIA, State Energy Data

Report 1995, DOE/EIA-0214(95) (Washington, DC, December 1997) and the Coal Industry Annual 1997, DOE/EIA-0584(97) (Washington,

DC, November 1998). 1997 electricity prices for commercial, industrial, and transportation: EIA, AEO99 National Energy Modeling

System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 18. Energy Prices by Sector and Source (1997 Dollars per Million Btu) 08 - Mountain																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electric Generators 13/																									
Fossil Fuel Average	1.15	1.22	1.22	1.22	1.24	1.25	1.26	1.28	1.29	1.30	1.30	1.32	1.34	1.33	1.33	1.33	1.32	1.32	1.32	1.32	1.30	1.30	1.31	1.26	0.4%
Petroleum Products	5.24	3.25	3.41	3.79	4.19	4.51	4.75	4.96	5.12	5.26	5.39	5.35	5.40	5.34	5.41	5.46	5.49	5.55	5.56	5.65	5.73	5.78	5.78	5.84	0.5%
Distillate Fuel	5.28	4.07	4.22	4.15	4.33	4.52	4.75	4.98	5.13	5.27	5.40	5.37	5.45	5.39	5.46	5.50	5.53	5.61	5.61	5.66	5.76	5.81	5.79	5.84	0.4%
Residual Fuel	3.61	2.62	2.70	2.78	2.95	3.11	3.24	3.33	3.30	3.46	3.61	3.56	3.65	3.61	3.64	3.63	3.69	3.63	3.58	3.73	3.70	3.73	3.68	3.70	0.1%
Natural Gas	2.48	2.38	2.54	2.65	2.82	3.02	3.26	3.47	3.61	3.70	3.69	3.70	3.72	3.72	3.70	3.68	3.66	3.65	3.66	3.68	3.69	3.74	3.87	3.96	2.1%
Steam Coal	1.07	1.02	1.00	1.00	0.98	0.97	0.97	0.97	0.96	0.93	0.92	0.91	0.90	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	-1.3%
Average Price to All Users 14/																									
Petroleum Products 2/	8.60	7.09	7.22	7.08	7.32	7.53	7.78	8.04	8.20	8.36	8.46	8.53	8.54	8.56	8.58	8.57	8.64	8.58	8.63	8.66	8.70	8.73	8.69	8.73	0.1%
Distillate Fuel	7.83	6.73	6.73	6.50	6.67	6.85	7.09	7.33	7.52	7.66	7.76	7.69	7.79	7.67	7.70	7.71	7.69	7.73	7.77	7.80	7.87	7.90	7.82	7.85	0.0%
Jet Fuel	5.83	4.38	4.54	3.85	4.05	4.26	4.50	4.74	4.99	5.15	5.26	5.32	5.35	5.40	5.45	5.51	5.66	5.61	5.67	5.75	5.98	6.02	6.05	6.08	0.2%
Liquefied Petroleum Gas	8.61	7.16	7.32	7.74	7.94	8.25	8.50	8.83	9.15	9.38	9.42	9.17	9.20	9.22	9.26	9.30	9.42	9.48	9.41	9.49	9.73	9.77	9.82	9.87	0.6%
Motor Gasoline 8/	10.44	8.61	8.78	8.56	8.83	9.03	9.29	9.57	9.71	9.89	10.01	10.19	10.17	10.24	10.27	10.24	10.33	10.21	10.29	10.30	10.28	10.31	10.26	10.31	-0.1%
Residual Fuel	3.09	2.26	2.29	2.08	2.11	2.18	2.31	2.45	2.37	2.53	2.68	2.62	2.72	2.68	2.71	2.73	2.76	2.70	2.65	2.80	2.77	2.80	2.75	2.77	-0.5%
Natural Gas	3.63	3.43	3.65	3.70	3.78	3.89	4.04	4.14	4.25	4.34	4.34	4.32	4.29	4.25	4.20	4.14	4.09	4.06	4.06	4.07	4.07	4.09	4.15	4.20	0.6%
Coal	1.09	1.04	1.02	1.01	1.00	0.99	0.98	0.98	0.97	0.95	0.94	0.93	0.92	0.90	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	-1.4%
E85 11/	16.27	14.20	14.38	15.59	16.14	16.61	17.16	17.69	18.00	18.38	18.68	18.96	18.66	18.77	18.85	18.78	18.98	18.79	18.94	18.97	18.95	19.01	18.96	19.06	0.7%
M85 12/	13.25	11.77	10.35	10.18	11.20	11.53	11.91	12.23	12.48	13.13	13.35	13.42	13.43	13.85	13.88	13.89	13.94	13.91	13.95	13.97	13.98	14.02	14.03	14.08	0.3%
Electricity	17.90	17.52	17.64	17.55	17.56	17.61	17.87	18.14	18.26	18.28	18.17	18.03	17.93	17.89	17.49	17.35	17.21	17.03	16.86	16.68	16.55	16.50	16.45	16.39	-0.4%
Non-Renewable Energy Expenditures by Sector (billion 1997 dollars)																									
Residential	6.38	6.39	6.74	6.98	7.28	7.50	7.79	8.10	8.34	8.54	8.72	8.89	9.03	9.21	9.25	9.37	9.43	9.52	9.60	9.72	9.81	9.94	10.08	10.23	2.1%
Commercial	5.47	5.32	5.55	5.69	5.84	5.99	6.20	6.41	6.63	6.82	6.93	7.02	7.13	7.25	7.26	7.34	7.43	7.50	7.57	7.63	7.72	7.80	7.89	7.97	1.6%
Industrial	5.00	4.60	4.80	4.94	5.11	5.30	5.52	5.70	5.91	6.13	6.26	6.31	6.40	6.48	6.48	6.51	6.58	6.67	6.75	6.81	6.94	7.04	7.11	7.20	1.6%
Transportation	14.29	12.23	12.59	12.84	13.80	14.65	15.58	16.51	17.29	18.08	18.76	19.42	19.93	20.46	20.93	21.32	21.89	22.16	22.77	23.26	23.82	24.38	24.71	25.27	2.5%
Total Non-Renewable Expenditure	31.13	28.53	29.68	30.45	32.02	33.44	35.09	36.73	38.18	39.57	40.67	41.64	42.49	43.40	43.91	44.54	45.33	45.85	46.69	47.43	48.29	49.15	49.79	50.67	2.1%
Transportation Renewable Expenditures	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.10	0.11	0.11	26.3%
Total Expenditures	31.13	28.54	29.69	30.46	32.04	33.46	35.11	36.76	38.22	39.61	40.72	41.70	42.55	43.47	43.99	44.61	45.42	45.94	46.78	47.53	48.39	49.25	49.90	50.78	2.1%

Table 18. Energy Prices by Sector and Source (08 - Mountain) Notes

- 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/ Low sulfur diesel fuel. 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 and State taxes and excludes county 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).
- 12/ M85 is 85 percent methanol and 15 percent motor gasoline.
- 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: 1997 figures may differ from published data due to internal rounding.

Sources: 1997 prices for gasoline, distillate, and jet fuel are based on prices in various issues of Energy Information Administration (EIA), Petroleum Marketing Monthly, DOE/EIA-0380 (97/03-98/04) (Washington, DC, 1997-98). 1997 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditures Report: 1995, DOE/EIA-0376(95) (Washington, DC, August, 1998).

1997 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991.

1997 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(98/06)

(Washington, DC, June 1998). Other 1997 natural gas delivered prices: EIA, AEO99 National Energy Modeling System run

AEO99B.D100198A. Values for 1997 coal prices have been estimated from EIA, State Energy Price and Expenditures Report:

1995, DOE/EIA-0376(95) (Washington, DC, August, 1998) by use of consumption quantities aggregated from EIA, State Energy Data

Report 1995, DOE/EIA-0214(95) (Washington, DC, December 1997) and the Coal Industry Annual 1997, DOE/EIA-0584(97) (Washington,

DC, November 1998). 1997 electricity prices for commercial, industrial, and transportation: EIA, AEO99 National Energy Modeling

System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 19. Energy Prices by Sector and Source (1997 Dollars per Million Btu) 09 - Pacific																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electric Generators 13/																									
Fossil Fuel Average	2.73	2.74	2.83	2.88	2.94	3.00	3.08	3.15	3.23	3.28	3.29	3.33	3.32	3.32	3.30	3.29	3.28	3.26	3.27	3.26	3.28	3.29	3.27	3.33	0.9%
Petroleum Products	3.02	2.71	2.79	3.04	3.29	3.49	3.67	3.75	4.02	4.25	4.38	4.37	4.40	4.42	4.43	4.41	4.43	4.39	4.45	4.46	4.42	4.43	4.53	4.65	1.9%
Distillate Fuel	4.82	3.72	3.88	4.14	4.39	4.54	4.76	4.85	5.13	5.37	5.53	5.53	5.56	5.56	5.57	5.56	5.57	5.53	5.60	5.60	5.56	5.58	5.67	5.80	0.8%
Residual Fuel	2.87	2.64	2.73	2.96	3.21	3.38	3.53	3.60	3.88	4.11	4.23	4.22	4.24	4.26	4.27	4.25	4.27	4.23	4.29	4.30	4.26	4.27	4.37	4.49	2.0%
Natural Gas	2.88	3.01	3.17	3.19	3.20	3.26	3.32	3.40	3.47	3.49	3.50	3.55	3.54	3.54	3.53	3.51	3.51	3.48	3.49	3.48	3.50	3.51	3.49	3.54	0.9%
Steam Coal	1.63	1.58	1.47	1.49	1.46	1.44	1.44	1.43	1.42	1.41	1.28	1.25	1.22	1.20	1.16	1.14	1.11	1.08	1.06	1.03	1.01	0.99	0.98	0.96	-2.3%
Average Price to All Users 14/																									
Petroleum Products 2/	8.19	6.66	6.74	6.96	7.17	7.38	7.68	7.94	8.24	8.51	8.70	8.67	8.64	8.61	8.54	8.56	8.56	8.56	8.56	8.62	8.60	8.63	8.51	8.55	0.2%
Distillate Fuel	8.65	7.32	7.30	7.45	7.61	7.74	7.95	8.05	8.25	8.37	8.51	8.51	8.52	8.50	8.48	8.46	8.44	8.34	8.38	8.35	8.27	8.26	8.30	8.40	-0.1%
Jet Fuel	5.45	4.14	4.28	4.53	4.72	4.94	5.26	5.63	6.07	6.41	6.59	6.51	6.50	6.41	6.35	6.48	6.53	6.62	6.60	6.74	6.93	7.00	6.84	6.86	1.0%
Liquefied Petroleum Gas	11.17	10.55	10.71	10.58	10.77	10.92	11.34	12.11	12.33	12.60	12.89	12.71	12.83	13.25	13.23	13.19	13.24	13.26	13.31	13.45	13.38	13.45	13.32	13.41	0.8%
Motor Gasoline 8/	10.58	8.67	8.85	9.35	9.49	9.68	10.01	10.32	10.63	10.95	11.19	11.21	11.15	11.13	11.02	11.06	11.06	11.07	11.08	11.17	11.09	11.14	10.92	10.96	0.2%
Residual Fuel	3.36	2.36	2.43	2.18	2.39	2.50	2.60	2.70	2.95	3.20	3.32	3.29	3.32	3.32	3.34	3.31	3.33	3.29	3.35	3.36	3.32	3.32	3.43	3.55	0.2%
Natural Gas	4.15	4.33	4.54	4.69	4.65	4.65	4.64	4.66	4.67	4.68	4.65	4.62	4.58	4.54	4.51	4.46	4.43	4.39	4.38	4.37	4.38	4.38	4.40	4.42	0.3%
Coal	1.72	1.66	1.58	1.59	1.56	1.54	1.54	1.53	1.52	1.51	1.42	1.39	1.37	1.35	1.32	1.30	1.27	1.25	1.23	1.21	1.19	1.17	1.16	1.14	-1.8%
E85 11/	16.27	14.20	14.38	14.98	15.55	16.04	16.62	17.18	17.55	17.95	18.31	18.53	18.23	18.33	18.38	18.32	18.49	18.34	18.48	18.53	18.49	18.56	18.49	18.59	0.6%
M85 12/	13.25	11.77	10.35	9.96	10.34	10.66	11.06	11.37	11.67	11.95	12.22	12.22	12.23	12.26	12.25	12.27	12.28	12.30	12.31	12.35	12.35	12.38	12.37	12.41	-0.3%
Electricity	21.95	20.58	20.57	20.13	19.82	19.57	19.70	19.50	19.22	19.09	18.91	18.99	19.00	18.88	18.72	18.70	18.59	18.74	18.63	18.60	18.44	18.55	18.21	18.08	-0.8%
Non-Renewable Energy Expenditures by Sector (billion 1997 dollars)																									
Residential	16.07	15.24	16.07	16.17	16.24	16.20	16.45	16.62	16.71	16.86	17.05	17.36	17.47	17.58	17.64	17.83	17.90	18.15	18.24	18.46	18.54	18.75	18.77	19.00	0.7%
Commercial	13.90	13.62	14.08	14.09	14.10	13.94	14.12	14.20	14.32	14.53	14.60	14.76	14.88	14.96	15.03	15.17	15.30	15.55	15.61	15.73	15.76	15.97	15.83	15.80	0.6%
Industrial	9.45	8.97	9.34	9.30	9.57	10.02	10.34	10.37	10.42	10.57	10.62	10.74	10.95	11.08	11.15	11.23	11.33	11.54	11.72	11.89	12.04	12.29	12.36	12.50	1.2%
Transportation	35.63	29.53	30.58	33.29	34.82	36.44	38.70	40.92	43.50	45.98	48.09	49.06	49.87	50.63	50.89	51.83	52.53	53.35	54.14	55.30	56.00	57.01	56.86	57.84	2.1%
Total Non-Renewable Expenditure	75.05	67.36	70.07	72.85	74.73	76.60	79.61	82.10	84.96	87.94	90.35	91.91	93.17	94.26	94.71	96.06	97.04	98.59	99.72	101.4	102.3	104.0	103.8	105.1	1.5%
Transportation Renewable Expenditures	0.00	0.01	0.01	0.02	0.03	0.05	0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.23	0.23	25.0%
Total Expenditures	75.05	67.36	70.09	72.87	74.76	76.65	79.67	82.17	85.04	88.04	90.47	92.04	93.31	94.41	94.87	96.23	97.23	98.79	99.92	101.6	102.6	104.2	104.0	105.4	1.5%

Table 19. Energy Prices by Sector and Source (09 - Pacific) Notes

- 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/ Low sulfur diesel fuel. 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 and State taxes and excludes county 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).
- 12/ M85 is 85 percent methanol and 15 percent motor gasoline.
- 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: 1997 figures may differ from published data due to internal rounding.

Sources: 1997 prices for gasoline, distillate, and jet fuel are based on prices in various issues of Energy Information Administration (EIA), Petroleum Marketing Monthly, DOE/EIA-0380 (97/03-98/04) (Washington, DC, 1997-98). 1997 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditures Report: 1995, DOE/EIA-0376(95) (Washington, DC, August, 1998).

1997 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991.

1997 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(98/06)

(Washington, DC, June 1998). Other 1997 natural gas delivered prices: EIA, AEO99 National Energy Modeling System run

AEO99B.D100198A. Values for 1997 coal prices have been estimated from EIA, State Energy Price and Expenditures Report:

1995, DOE/EIA-0376(95) (Washington, DC, August, 1998) by use of consumption quantities aggregated from EIA, State Energy Data

Report 1995, DOE/EIA-0214(95) (Washington, DC, December 1997) and the Coal Industry Annual 1997, DOE/EIA-0584(97) (Washington,

DC, November 1998). 1997 electricity prices for commercial, industrial, and transportation: EIA, AEO99 National Energy Modeling

System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 20. Energy Prices by Sector and Source (1997 Dollars per Million Btu) United States Total																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electric Generators 13/																									
Fossil Fuel Average	1.54	1.44	1.45	1.44	1.46	1.47	1.48	1.49	1.52	1.53	1.55	1.55	1.56	1.57	1.57	1.58	1.58	1.60	1.61	1.62	1.62	1.63	1.62	1.61	0.2%
Petroleum Products	2.94	2.23	2.31	2.32	2.49	2.63	2.83	3.03	3.29	3.55	3.84	3.81	3.90	3.89	3.95	3.96	4.03	4.03	4.05	4.16	4.16	4.21	4.23	4.33	1.7%
Distillate Fuel	4.43	3.51	3.66	3.83	4.02	4.21	4.45	4.62	4.81	4.96	5.09	5.08	5.15	5.11	5.15	5.19	5.21	5.25	5.28	5.30	5.36	5.39	5.39	5.45	0.9%
Residual Fuel	2.76	2.11	2.19	2.19	2.36	2.46	2.61	2.78	2.97	3.22	3.47	3.44	3.53	3.52	3.57	3.57	3.64	3.62	3.63	3.75	3.72	3.76	3.79	3.90	1.5%
Natural Gas	2.70	2.42	2.60	2.62	2.67	2.74	2.80	2.87	2.94	3.00	3.03	3.04	3.06	3.08	3.10	3.11	3.12	3.14	3.17	3.20	3.21	3.23	3.24	3.24	0.8%
Steam Coal	1.27	1.23	1.21	1.19	1.18	1.17	1.16	1.15	1.14	1.12	1.11	1.09	1.07	1.06	1.04	1.03	1.01	1.00	0.99	0.98	0.96	0.96	0.94	0.93	-1.3%
Average Price to All Users 14/																									
Petroleum Products 2/	7.70	6.26	6.34	6.56	6.79	7.01	7.28	7.55	7.75	7.93	8.06	8.09	8.10	8.11	8.12	8.12	8.17	8.14	8.16	8.19	8.22	8.25	8.20	8.24	0.3%
Distillate Fuel 6/	7.51	6.49	6.50	6.73	6.91	7.08	7.31	7.52	7.71	7.84	7.95	7.89	7.97	7.88	7.88	7.88	7.86	7.87	7.91	7.92	7.97	7.99	7.90	7.94	0.2%
Jet Fuel	5.20	3.87	4.02	4.13	4.33	4.54	4.81	5.08	5.36	5.58	5.72	5.72	5.74	5.74	5.76	5.83	5.94	5.94	5.96	6.05	6.26	6.30	6.28	6.31	0.8%
Liquefied Petroleum Gas	9.01	5.99	6.15	6.35	6.55	6.85	7.11	7.46	7.77	8.01	8.06	7.81	7.85	7.88	7.91	7.94	8.04	8.11	8.03	8.11	8.33	8.37	8.41	8.46	-0.3%
Motor Gasoline 8/	9.70	8.24	8.41	8.67	8.92	9.13	9.40	9.69	9.85	10.05	10.20	10.36	10.33	10.40	10.41	10.38	10.47	10.36	10.43	10.46	10.40	10.43	10.36	10.41	0.3%
Residual Fuel	2.95	2.04	2.11	1.84	2.00	2.09	2.20	2.33	2.43	2.62	2.75	2.71	2.73	2.76	2.76	2.76	2.80	2.80	2.76	2.82	2.83	2.85	2.89	2.96	0.0%
Natural Gas	4.32	3.93	4.14	4.12	4.10	4.09	4.08	4.08	4.10	4.12	4.11	4.09	4.08	4.06	4.05	4.03	4.02	4.02	4.02	4.04	4.04	4.05	4.05	4.05	-0.3%
Coal	1.28	1.24	1.23	1.21	1.20	1.19	1.18	1.16	1.15	1.14	1.12	1.10	1.09	1.08	1.06	1.05	1.03	1.02	1.01	0.99	0.98	0.97	0.96	0.95	-1.3%
E85 11/	16.27	14.20	14.38	14.61	15.11	15.54	16.05	16.55	16.83	17.18	17.46	17.73	17.42	17.53	17.60	17.53	17.72	17.54	17.68	17.71	17.68	17.74	17.69	17.78	0.4%
M85 12/	13.25	11.77	10.35	9.83	10.62	10.95	11.34	11.66	11.91	12.43	12.66	12.72	12.73	13.02	13.04	13.05	13.09	13.07	13.10	13.12	13.13	13.16	13.17	13.22	-0.0%
Electricity	20.26	19.74	19.55	19.28	19.00	18.69	18.78	18.79	18.62	18.52	18.35	18.18	18.09	18.00	17.72	17.48	17.32	17.25	17.10	17.00	16.89	16.83	16.65	16.50	-0.9%
Non-Renewable Energy Expenditures by Sector (billion 1997 dollars)																									
Residential	138.3	131.6	136.9	138.3	139.2	138.9	140.5	142.3	143.0	144.1	144.9	145.9	146.4	147.4	147.8	148.5	148.8	149.9	150.7	152.1	152.6	153.5	154.0	155.0	0.5%
Commercial	99.9	96.8	99.4	99.6	99.7	99.4	100.7	101.8	102.7	103.8	104.2	104.3	104.9	105.5	105.5	105.5	105.8	106.5	106.7	107.2	107.4	107.8	107.4	107.0	0.3%
Industrial	113.5	96.6	98.9	101.2	104.0	106.7	109.5	112.0	114.4	117.3	119.1	119.3	120.7	122.0	122.5	123.0	124.0	125.8	127.0	128.2	130.4	131.9	132.5	133.6	0.7%
Transportation	207.9	180.1	185.8	197.9	208.1	217.7	229.2	240.9	250.9	261.2	269.8	276.6	281.0	285.9	288.8	291.4	296.0	297.1	301.8	305.5	308.8	312.7	313.4	317.4	1.9%
Total Non-Renewable Expend	559.5	505.1	521.0	536.9	551.0	562.8	579.8	596.9	611.0	626.4	638.0	646.1	653.1	660.9	664.6	668.3	674.6	679.3	686.2	693.0	699.2	705.9	707.3	712.9	1.1%
Transportation Renewable Expenditures	0.01	0.05	0.09	0.15	0.21	0.28	0.35	0.43	0.51	0.59	0.68	0.77	0.82	0.90	0.96	1.00	1.07	1.10	1.15	1.20	1.23	1.26	1.29	1.32	24.4%
Total Expenditures	559.5	505.1	521.1	537.1	551.2	563.0	580.2	597.3	611.5	626.9	638.7	646.9	653.9	661.8	665.5	669.3	675.6	680.4	687.3	694.2	700.4	707.2	708.6	714.2	1.1%

Table 20. Energy Prices by Sector and Source (United States Total) Notes

- 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/ Low sulfur diesel fuel. 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 and State taxes and excludes county 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).
- 12/ M85 is 85 percent methanol and 15 percent motor gasoline.
- 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: 1996 and 1997 figures may differ from published data due to internal rounding.

Sources: 1996 prices for gasoline, distillate, and jet fuel are based on prices in the Energy Information Administration (EIA), Petroleum Marketing Annual 1996. Online. <http://www.eia.doe.gov/oil-gas/pmal/pmaframe.html> (August 1, 1998). 1997 prices for gasoline, distillate, and jet fuel are based on prices in various issues of EIA, Petroleum Marketing Monthly, DOE/EIA-0380 (97/03-98/04) (Washington, DC, 1997-98). 1996 and 1997 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditures Report: 1995, DOE/EIA-0376(95) (Washington, DC, August, 1998). 1996 residential, commercial, and transportation natural gas delivered prices: EIA, Natural Gas Annual 1996, DOE/EIA-0131(96) (Washington, DC, September 1997). 1996 electric generators natural gas delivered prices: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." 1996 and 1997 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991. 1997 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(98/06) (Washington, DC, June 1998). Other 1997 natural gas delivered prices: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Values for 1996 and 1997 coal prices have been estimated from EIA, State Energy Price and Expenditures Report: 1995, DOE/EIA-0376(95) (Washington, DC, August, 1998) by use of consumption quantities aggregated from EIA, State Energy Data Report 1995, DOE/EIA-0214(95) (Washington, DC, December 1997) and the Coal Industry Annual 1997, DOE/EIA-0584(97) (Washington, DC, November 1998). 1996 residential electricity prices derived from EIA, Short-Term Energy Outlook, September 1998. Online <http://www.eia.doe.gov/emeu/steo/pub/upd/sep98/contents.html> (October 15, 1998). 1996 and 1997 electricity prices for commercial, industrial, and transportation: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 21. Residential Sector Supplement Table																								1997-2020		
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Equipment Stock (million units)																										
Main Space Heaters																										
Electric Heat Pumps	8.23	8.46	8.68	8.88	9.08	9.27	9.46	9.66	9.81	9.97	10.14	10.30	10.46	10.63	10.81	10.98	11.15	11.32	11.52	11.72	11.92	12.12	12.33	12.54	1.8%	
Electric Other	17.94	18.09	18.24	18.39	18.55	18.71	18.88	19.07	19.17	19.28	19.41	19.54	19.68	19.82	19.98	20.13	20.28	20.43	20.56	20.69	20.82	20.95	21.09	21.22	0.7%	
Natural Gas Heat Pumps	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.23	0.25	0.27	0.28	0.30	0.32	8.4%	
Natural Gas Other	54.53	55.32	56.09	56.87	57.64	58.42	59.21	60.03	61.06	62.09	63.15	64.20	65.25	66.30	67.34	68.38	69.39	70.38	71.27	72.14	73.00	73.85	74.69	75.51	1.4%	
Distillate	9.95	9.91	9.87	9.82	9.77	9.72	9.66	9.61	9.55	9.49	9.44	9.38	9.33	9.27	9.22	9.16	9.11	9.06	8.94	8.88	8.82	8.75	8.68	8.61	-0.6%	
Liquid Petroleum Gas	4.96	5.11	5.22	5.31	5.39	5.46	5.51	5.55	5.56	5.56	5.57	5.57	5.57	5.58	5.57	5.57	5.56	5.55	5.53	5.52	5.50	5.48	5.46	5.44	0.4%	
Kerosene	0.94	0.94	0.93	0.92	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.77	0.76	0.75	0.75	0.74	-1.0%	
Wood Stoves	3.08	3.07	3.05	3.04	3.03	3.02	3.01	3.01	3.00	2.98	2.98	2.97	2.96	2.96	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	-0.2%
Geothermal Heat Pumps	0.35	0.38	0.41	0.44	0.48	0.51	0.55	0.58	0.61	0.63	0.66	0.69	0.71	0.74	0.77	0.80	0.82	0.85	0.96	1.07	1.17	1.28	1.38	1.49	6.5%	
Total	100.03	101.34	102.56	103.75	104.93	106.10	107.29	108.50	109.74	111.01	112.32	113.64	114.96	116.29	117.63	118.96	120.26	121.54	122.80	124.04	125.27	126.48	127.70	128.89	1.1%	
Space Cooling (million units)																										
Electric Heat Pumps	8.23	8.46	8.68	8.88	9.08	9.27	9.46	9.66	9.81	9.97	10.14	10.30	10.46	10.63	10.81	10.98	11.15	11.32	11.52	11.72	11.92	12.12	12.33	12.54	1.8%	
Natural Gas Heat Pumps	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	0.21	0.23	0.25	0.27	0.28	0.30	0.32	8.4%	
Geothermal Heat Pumps	0.35	0.38	0.41	0.44	0.48	0.51	0.55	0.58	0.61	0.63	0.66	0.69	0.71	0.74	0.77	0.80	0.82	0.85	0.96	1.07	1.17	1.28	1.38	1.49	6.5%	
Central Air Conditioners	38.26	39.26	40.19	41.10	41.99	42.89	43.78	44.70	45.67	46.66	47.68	48.70	49.71	50.73	51.75	52.75	53.73	54.70	55.55	56.39	57.21	58.02	58.82	59.61	1.9%	
Room Air Conditioners	36.47	36.45	36.42	36.39	36.35	36.32	36.30	36.28	36.27	36.27	36.27	36.29	36.30	36.32	36.33	36.35	36.36	36.38	36.39	36.40	36.41	36.41	36.42	36.43	-0.0%	
Total	83.36	84.61	85.77	86.89	87.99	89.09	90.20	91.33	92.49	93.67	94.89	96.12	97.34	98.59	99.83	101.07	102.28	103.46	104.65	105.82	106.97	108.12	109.26	110.39	1.2%	
Water Heaters (million units)																										
Electric	38.24	38.64	39.03	39.42	39.80	40.20	40.62	41.06	41.37	41.71	42.04	42.37	42.70	43.05	43.42	43.78	44.14	44.51	44.94	45.39	45.84	46.29	46.76	47.23	0.9%	
Natural Gas	54.43	55.12	55.80	56.48	57.16	57.82	58.51	59.21	60.09	60.99	61.94	62.90	63.85	64.82	65.78	66.72	67.64	68.54	69.36	70.15	70.92	71.68	72.42	73.14	1.3%	
Distillate	4.54	4.56	4.57	4.57	4.57	4.58	4.58	4.58	4.57	4.57	4.56	4.55	4.54	4.53	4.52	4.51	4.50	4.49	4.48	4.47	4.47	4.46	4.45	4.45	-0.1%	
Liquid Petroleum Gas	3.32	3.51	3.65	3.78	3.89	3.98	4.07	4.14	4.18	4.22	4.26	4.29	4.32	4.36	4.38	4.40	4.42	4.44	4.46	4.48	4.49	4.50	4.52	4.52	1.3%	
Solar Thermal	0.64	0.64	0.64	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.60	0.60	0.60	0.60	0.59	0.59	0.59	0.59	0.58	0.58	-0.4%	
Total	101.17	102.48	103.69	104.88	106.05	107.21	108.40	109.60	110.84	112.10	113.41	114.73	116.03	117.36	118.70	120.02	121.31	122.59	123.84	125.08	126.30	127.51	128.73	129.91	1.1%	
Cooking Equipment (million units) 1/																										
Electric	62.53	63.43	64.31	65.18	66.04	66.92	67.81	68.73	69.62	70.54	71.50	72.47	73.44	74.43	75.38	76.33	77.25	78.16	79.25	80.23	81.19	82.14	83.10	84.04	1.3%	
Natural Gas	33.42	33.66	33.90	34.13	34.36	34.59	34.83	35.09	35.41	35.75	36.09	36.43	36.76	37.10	37.48	37.86	38.23	38.60	38.76	39.03	39.31	39.57	39.84	40.10	0.8%	
Liquid Petroleum Gas	5.37	5.51	5.59	5.67	5.72	5.77	5.81	5.83	5.83	5.83	5.82	5.82	5.82	5.81	5.80	5.79	5.77	5.76	5.75	5.74	5.72	5.71	5.69	5.67	0.2%	
Total	101.32	102.60	103.80	104.98	106.13	107.28	108.45	109.64	110.87	112.12	113.41	114.72	116.02	117.34	118.66	119.98	121.26	122.52	123.77	125.00	126.22	127.42	128.62	129.80	1.1%	
Clothes Dryers (million units)																										
Electric	58.73	59.88	60.96	62.03	63.06	64.08	65.11	66.14	67.19	68.25	69.33	70.40	71.47	72.54	73.61	74.68	75.72	76.76	77.79	78.81	79.82	80.82	81.83	82.81	1.5%	
Natural Gas	14.46	14.65	14.84	15.00	15.17	15.34	15.51	15.69	15.87	16.05	16.24	16.42	16.60	16.78	16.96	17.14	17.32	17.50	17.67	17.85	18.02	18.18	18.35	18.52	1.1%	
Total	73.19	74.54	75.80	77.03	78.23	79.42	80.62	81.83	83.06	84.30	85.56	86.82	88.06	89.32	90.57	91.82	93.05	94.26	95.46	96.66	97.84	99.01	100.18	101.34	1.4%	

Table 21. Residential Sector Supplement Table																								1997-2020	
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Other Appliances (million units)																									
Refrigerators	105.00	106.41	107.71	108.99	110.25	111.50	112.77	114.07	115.40	116.76	118.16	119.57	120.97	122.39	123.82	125.24	126.62	127.98	129.33	130.67	131.98	133.28	134.58	135.86	1.1%
Freezers	32.74	32.64	32.50	32.35	32.20	32.05	31.90	31.77	31.65	31.59	31.57	31.57	31.59	31.65	31.73	31.84	31.97	32.11	32.27	32.45	32.64	32.85	33.08	33.32	0.1%
Stock Average Equipment Efficiency																									
Main Space Heaters																									
Electric Heat Pumps (HSPF)	6.71	6.80	6.89	6.96	7.02	7.06	7.09	7.11	7.17	7.19	7.20	7.22	7.23	7.24	7.25	7.25	7.26	7.27	7.36	7.40	7.44	7.48	7.51	7.53	0.5%
Natural Gas Heat Pumps (HSPF)	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	N/A
Geothermal Heat Pumps (COP)	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.52	3.56	3.59	3.61	3.63	3.65	0.3%
Natural Gas Furnace (AFUE)	0.74	0.75	0.76	0.76	0.77	0.78	0.78	0.79	0.79	0.80	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.5%
Distillate Furnace (AFUE)	0.78	0.78	0.79	0.79	0.80	0.80	0.80	0.81	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	0.2%
Space Cooling																									
Electric Heat Pumps (SEER)	10.03	10.20	10.36	10.51	10.62	10.72	10.79	10.84	10.91	10.94	10.96	10.97	10.98	10.98	10.99	10.99	10.99	10.99	11.15	11.22	11.27	11.33	11.37	11.41	0.6%
Natural Gas Heat Pumps (SEER)	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	15.60	N/A
Geothermal Heat Pumps (EER)	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.50	13.95	14.09	14.20	14.29	14.37	14.44	0.3%
Cent. Air Conditioners (SEER)	9.80	9.92	10.03	10.13	10.21	10.28	10.34	10.37	10.54	10.61	10.67	10.72	10.76	10.80	10.83	10.86	10.89	10.91	11.05	11.11	11.17	11.22	11.27	11.32	0.6%
Room Air Conditioners (EER)	8.54	8.65	8.74	8.82	8.97	9.06	9.15	9.22	9.28	9.34	9.39	9.43	9.46	9.49	9.51	9.53	9.55	9.57	9.59	9.60	9.62	9.63	9.64	9.65	0.5%
Water Heaters																									
Electric (EF)	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.1%
Natural Gas (EF)	0.54	0.55	0.55	0.55	0.56	0.56	0.56	0.56	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.58	0.58	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.4%
Distillate (EF)	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.0%
Liquid Petroleum Gas (EF)	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	0.58	0.59	0.59	0.59	0.60	0.60	0.61	0.61	0.61	0.61	0.5%
Other Appliances (kWh/yr)																									
Refrigerators	976.05	938.38	905.04	875.47	849.27	809.32	776.12	746.05	719.09	694.62	672.20	651.66	632.72	615.83	600.98	587.81	576.66	567.07	559.24	552.73	547.59	543.46	540.55	538.26	-2.6%
Freezers	770.35	738.44	708.09	679.21	652.02	622.85	596.60	572.33	551.85	535.79	522.12	509.64	498.65	488.93	480.85	473.87	467.30	461.67	456.77	452.60	449.08	446.18	443.77	441.90	-2.4%
Building Shell Efficiency Index																									
Space Heating																									
Pre-1994 Homes	0.94	0.93	0.93	0.92	0.91	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.87	0.86	0.86	0.85	0.85	0.84	0.84	0.83	0.83	0.83	0.82	0.82	-0.6%
New Construction	0.82	0.82	0.82	0.80	0.79	0.78	0.77	0.77	0.76	0.75	0.74	0.73	0.72	0.71	0.70	0.69	0.68	0.67	0.66	0.65	0.64	0.63	0.62	0.61	-1.3%
All Homes	0.93	0.92	0.92	0.91	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.85	0.85	0.84	0.83	0.83	0.82	0.82	0.81	0.80	0.80	0.79	0.79	0.78	-0.8%

Table 21. Residential Sector Supplement Table																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Space Cooling																									
Pre-1994 Homes	0.95	0.94	0.94	0.93	0.93	0.93	0.92	0.92	0.91	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.87	0.87	0.87	0.86	0.86	0.85	0.85	0.84	-0.5%
New Construction	0.87	0.87	0.87	0.85	0.84	0.83	0.82	0.82	0.81	0.80	0.79	0.77	0.76	0.75	0.74	0.73	0.72	0.72	0.71	0.69	0.68	0.68	0.67	0.66	-1.2%
All Homes	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.90	0.90	0.89	0.89	0.88	0.87	0.87	0.86	0.86	0.85	0.84	0.84	0.83	0.83	0.82	0.82	0.81	-0.6%

1/ Does not include microwave ovens or outdoor grills.

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.

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.

kWh/y = Kilowatt hours per year to run the appliance under certain test conditions as 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: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 22. Commercial Sector Supplement Table																								1997-2020		
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Commercial Building Delivered																										
Energy Consumption (quadrillion Btu) 1/																										
Assembly	0.56	0.56	0.57	0.57	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.59	0.59	0.59	0.60	0.60	0.60	0.60	0.60	0.61	0.61	0.61	0.61	0.3%	
Education	0.68	0.68	0.70	0.70	0.71	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.6%	
Food Sales	0.14	0.14	0.14	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	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	1.0%	
Food Service	0.36	0.37	0.38	0.38	0.39	0.39	0.39	0.40	0.40	0.41	0.41	0.41	0.42	0.42	0.43	0.43	0.44	0.44	0.45	0.45	0.45	0.45	0.46	0.46	1.0%	
Health Care	0.49	0.50	0.51	0.51	0.52	0.53	0.54	0.54	0.55	0.56	0.57	0.57	0.58	0.59	0.60	0.61	0.61	0.62	0.63	0.63	0.64	0.64	0.65	0.65	1.2%	
Lodging	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.60	0.60	0.61	0.62	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.65	0.9%	
Office - Large	0.69	0.70	0.71	0.72	0.72	0.73	0.74	0.74	0.75	0.76	0.77	0.78	0.79	0.79	0.80	0.81	0.82	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.9%	
Office - Small	0.54	0.54	0.55	0.56	0.57	0.57	0.58	0.58	0.59	0.60	0.60	0.61	0.62	0.62	0.63	0.64	0.64	0.65	0.65	0.66	0.66	0.66	0.66	0.66	0.9%	
Mercantile/Service	1.03	1.04	1.07	1.08	1.09	1.10	1.11	1.11	1.12	1.13	1.14	1.15	1.16	1.17	1.18	1.19	1.20	1.21	1.21	1.22	1.22	1.23	1.23	1.23	0.8%	
Warehouse	0.46	0.45	0.48	0.49	0.49	0.50	0.51	0.51	0.52	0.52	0.53	0.53	0.54	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.59	0.59	1.1%	
Other	0.55	0.57	0.59	0.61	0.62	0.64	0.65	0.66	0.68	0.69	0.71	0.72	0.73	0.75	0.76	0.77	0.79	0.80	0.81	0.82	0.83	0.83	0.84	0.85	1.9%	
Total	6.04	6.09	6.24	6.32	6.39	6.46	6.52	6.58	6.64	6.70	6.77	6.85	6.93	7.00	7.09	7.17	7.24	7.30	7.35	7.39	7.43	7.46	7.49	7.51	1.0%	
Commercial Building Floorspace (billion square feet)																										
Assembly	6.84	6.91	6.95	7.00	7.03	7.06	7.10	7.13	7.17	7.20	7.23	7.26	7.29	7.33	7.36	7.39	7.42	7.45	7.47	7.50	7.52	7.53	7.55	7.56	0.4%	
Education	7.97	8.09	8.21	8.34	8.47	8.59	8.71	8.84	8.96	9.07	9.19	9.31	9.42	9.53	9.64	9.74	9.82	9.89	9.94	9.99	10.02	10.05	10.07	10.09	1.0%	
Food Sales	0.66	0.68	0.69	0.70	0.70	0.71	0.72	0.73	0.74	0.75	0.75	0.76	0.77	0.78	0.79	0.80	0.80	0.81	0.82	0.82	0.83	0.83	0.84	0.84	1.0%	
Food Service	1.40	1.41	1.43	1.45	1.46	1.47	1.48	1.50	1.51	1.53	1.54	1.55	1.56	1.58	1.59	1.60	1.61	1.62	1.63	1.64	1.65	1.65	1.65	1.66	0.7%	
Health Care	1.70	1.73	1.76	1.78	1.81	1.84	1.86	1.89	1.91	1.93	1.95	1.97	1.99	2.01	2.03	2.04	2.05	2.07	2.08	2.09	2.10	2.11	2.12	2.13	1.0%	
Lodging	3.72	3.80	3.88	3.94	3.99	4.03	4.08	4.13	4.18	4.22	4.27	4.31	4.36	4.41	4.46	4.51	4.56	4.60	4.63	4.66	4.68	4.69	4.70	4.71	1.0%	
Office - Large	5.79	5.82	5.86	5.89	5.93	5.96	5.99	6.03	6.07	6.11	6.16	6.21	6.25	6.29	6.33	6.36	6.38	6.40	6.42	6.42	6.42	6.42	6.41	6.39	6.36	0.4%
Office - Small	5.45	5.49	5.52	5.56	5.59	5.63	5.66	5.70	5.74	5.78	5.83	5.88	5.92	5.96	6.00	6.03	6.06	6.08	6.09	6.10	6.10	6.09	6.08	6.05	0.5%	
Mercantile/Service	13.11	13.30	13.48	13.63	13.75	13.86	13.99	14.13	14.26	14.39	14.51	14.63	14.75	14.87	14.99	15.11	15.23	15.34	15.43	15.51	15.58	15.63	15.66	15.69	0.8%	
Warehouse	8.78	8.96	9.13	9.29	9.42	9.53	9.64	9.74	9.83	9.92	10.01	10.10	10.21	10.31	10.40	10.48	10.56	10.62	10.68	10.73	10.76	10.79	10.79	10.79	0.9%	
Other	4.91	5.05	5.19	5.32	5.45	5.58	5.70	5.81	5.92	6.03	6.13	6.23	6.33	6.42	6.51	6.60	6.67	6.74	6.80	6.86	6.91	6.95	6.99	7.02	1.6%	
Total	60.32	61.23	62.09	62.89	63.60	64.25	64.94	65.62	66.28	66.93	67.57	68.21	68.86	69.49	70.10	70.66	71.17	71.61	72.00	72.32	72.56	72.74	72.85	72.90	0.8%	
Stock Average Equipment Efficiency 2/																										
Space Heating																										
Electricity	1.06	1.07	1.07	1.08	1.08	1.08	1.09	1.09	1.09	1.10	1.10	1.10	1.10	1.10	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	0.2%	
Natural Gas	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.80	0.3%	
Distillate	0.74	0.75	0.75	0.75	0.75	0.76	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%	
Space Cooling																										
Electricity	2.45	2.49	2.54	2.58	2.62	2.65	2.69	2.73	2.77	2.81	2.84	2.88	2.91	2.95	2.98	3.00	3.03	3.06	3.08	3.11	3.14	3.16	3.18	3.20	1.2%	
Natural Gas	0.81	0.84	0.86	0.87	0.89	0.90	0.91	0.93	0.94	0.96	0.98	0.99	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.09	1.10	1.11	1.4%	

Table 22. Commercial Sector Supplement Table																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Water Heating																									
Electricity	0.94	0.94	0.94	0.95	0.95	0.95	0.95	0.95	0.96	0.96	0.96	0.97	0.97	0.97	0.97	0.97	0.98	0.98	0.98	0.98	0.98	0.99	0.99	0.99	0.2%
Natural Gas	0.71	0.72	0.73	0.74	0.75	0.75	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.79	0.80	0.80	0.80	0.80	0.80	0.5%
Distillate	0.74	0.74	0.75	0.75	0.75	0.75	0.75	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	0.39	0.40	0.40	0.40	0.41	0.41	0.41	0.42	0.42	0.42	0.42	0.43	0.43	0.43	0.44	0.44	0.44	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.7%
Cooking																									
Electricity	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.52	0.1%
Natural Gas	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	0.50	0.50	0.50	0.49	0.49	-0.1%
Lighting Efficacy 4/ (efficacy in lumens per watt)																									
Electricity	52.81	53.31	53.87	54.57	55.31	56.04	56.80	57.52	58.10	58.71	59.27	59.74	60.15	60.56	60.90	61.20	61.46	61.68	62.00	62.29	62.58	62.88	63.21	63.54	0.8%
Refrigeration																									
Electricity	1.61	1.61	1.62	1.63	1.63	1.64	1.64	1.64	1.65	1.65	1.66	1.66	1.66	1.66	1.67	1.67	1.67	1.67	1.67	1.68	1.68	1.68	1.68	1.68	0.2%

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 purchased 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 purchased 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.

Quad. = Quadrillion.

Btu = British thermal unit.

Avg. = Average.

Equip. = Equipment.

Cfm = Cubic feet per minute.

PC = Personal computer.

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

Source: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 23. Industrial Sector Macroeconomic Indicators																									1997-2020
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
GDP (billion 1992 dollars)	7270	7516	7636	7830	7996	8173	8362	8549	8769	8991	9219	9443	9666	9896	10070	10249	10417	10599	10800	10976	11149	11324	11507	11680	2.1%
Non-Agricultural Employment (million)	121.4	124.1	125.6	126.9	128.0	129.4	130.8	132.3	134.2	136.2	138.1	139.9	141.7	143.5	144.9	146.0	147.0	148.1	149.4	150.4	151.3	152.2	153.1	154.0	1.0%
Value of Gross Output (billion 1987 dollars)																									
Nonmanufacturing Sector																									
Agricultural	248.1	253.4	255.5	258.9	262.5	264.2	267.2	270.7	275.1	279.3	283.5	287.3	291.2	295.0	297.6	300.8	303.7	307.2	311.1	313.8	316.0	319.1	322.2	325.4	1.2%
Mining	136.1	135.6	135.8	136.5	138.5	139.5	140.8	141.8	143.4	145.3	146.8	148.1	149.4	150.8	152.4	153.9	155.1	157.0	158.5	159.4	160.6	161.5	162.0	162.4	0.8%
Construction	428.0	439.5	444.9	453.3	459.5	472.0	481.9	491.7	503.8	517.0	531.0	543.1	554.7	567.5	577.0	584.7	591.8	600.8	611.3	621.4	629.4	637.8	648.2	657.0	1.9%
Manufacturing Sector																									
Food and Kindred Products	395.3	401.5	406.1	412.9	417.6	421.4	426.1	431.3	437.7	444.3	451.0	457.4	463.9	470.0	475.7	481.1	486.4	492.0	497.8	502.6	507.6	512.6	517.4	522.0	1.2%
Tobacco Products	26.8	26.9	25.7	25.1	24.5	23.9	23.7	23.5	23.3	23.1	22.9	22.7	22.4	22.0	21.6	21.4	21.0	20.8	20.5	20.0	19.6	19.1	18.6	18.1	-1.7%
Textile Mill Products	57.8	60.2	59.2	59.2	60.6	61.5	62.3	63.2	64.9	66.3	67.8	69.1	70.3	71.4	71.5	72.1	72.6	73.4	74.4	74.7	74.5	74.9	75.3	75.5	1.2%
Apparel and Other Textile Products	89.5	93.4	90.4	87.4	89.2	90.5	91.1	92.4	95.2	97.6	99.7	101.8	104.2	106.3	106.8	108.5	109.6	111.3	113.1	113.4	112.2	112.4	112.4	112.4	1.0%
Lumber and Wood Products	76.5	78.9	79.2	80.7	82.0	83.4	84.5	85.2	86.5	88.0	90.1	91.6	92.9	94.8	95.6	96.4	96.5	97.4	98.4	99.0	99.5	100.2	101.3	101.9	1.3%
Furniture and Fixtures	46.3	48.8	48.3	47.8	47.7	48.5	49.7	50.1	50.7	51.1	51.6	52.1	52.6	53.1	53.1	53.1	53.1	53.3	53.9	53.8	53.6	53.4	53.5	53.3	0.6%
Paper and Allied Products	125.2	127.3	128.2	130.7	132.9	134.6	135.9	137.4	139.6	141.9	144.0	145.7	147.8	149.5	150.9	152.4	153.6	155.1	156.8	158.0	159.2	160.3	161.3	162.2	1.1%
Printing and Publishing	141.5	145.3	144.6	146.6	148.0	148.7	150.2	151.4	153.7	155.5	157.5	159.2	161.1	162.5	164.1	165.6	166.9	168.5	170.4	171.5	172.6	173.7	174.9	175.8	0.9%
Chemical and Allied Products	278.8	280.9	282.7	289.2	296.4	302.0	305.0	309.7	316.7	323.8	330.7	337.2	344.0	350.4	355.6	361.5	366.7	372.8	379.1	384.1	389.2	394.6	399.0	403.6	1.6%
Bulk Chemicals	151.9	149.9	148.7	151.7	154.5	156.8	157.2	158.4	160.7	163.5	166.0	168.1	170.2	172.4	174.2	176.3	178.1	180.3	182.6	184.4	186.6	188.9	190.5	192.5	1.0%
Other Chemicals and Allied Products	126.9	131.0	134.0	137.5	141.8	145.2	147.8	151.3	156.0	160.3	164.7	169.1	173.8	178.0	181.4	185.2	188.6	192.6	196.5	199.6	202.6	205.6	208.5	211.1	2.2%
Petroleum and Coal Products	154.6	157.2	159.5	159.1	159.5	161.8	162.5	163.6	164.9	167.0	169.8	170.4	173.1	175.4	176.7	177.7	178.7	180.1	180.9	181.5	182.6	183.0	183.7	184.2	0.8%
Petroleum Refining	139.0	141.4	143.5	142.7	143.0	145.1	145.6	146.4	147.5	149.3	151.7	152.1	154.5	156.5	157.6	158.5	159.4	160.5	161.1	161.4	162.3	162.6	162.9	163.2	0.7%
Other Petroleum and Coal Products	15.6	15.9	16.1	16.4	16.5	16.7	16.9	17.1	17.4	17.7	18.0	18.3	18.6	18.9	19.1	19.2	19.3	19.6	19.9	20.1	20.3	20.5	20.8	21.0	1.3%
Rubber and Miscellaneous																									
Plastic Products	126.8	133.1	134.2	138.6	143.4	147.5	151.8	156.3	162.2	167.9	173.5	178.6	184.1	188.8	193.8	199.7	205.3	212.2	219.6	224.7	232.6	240.0	245.8	251.8	3.0%
Leather and Leather Products	7.3	7.4	6.9	6.2	6.6	6.8	6.6	6.7	7.0	7.2	7.3	7.3	7.4	7.6	7.5	7.7	7.8	7.9	8.1	8.0	7.8	7.7	7.6	7.5	0.1%
Stone, Clay, and Glass Products	70.0	69.6	68.6	68.8	69.3	70.6	71.3	71.9	72.8	73.8	74.8	75.6	76.3	77.2	77.6	78.0	78.2	78.9	79.6	80.1	80.3	80.7	81.3	81.5	0.7%
Glass and Glass Products	19.5	19.5	19.1	18.9	19.1	19.3	19.4	19.4	19.6	19.8	20.0	20.1	20.2	20.4	20.5	20.7	20.9	21.2	21.4	21.5	21.6	21.8	22.0	22.1	0.5%
Cement, Hydraulic	4.8	4.7	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.1	5.2	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	0.5%
Other Stone, Clay, and Glass Products	45.7	45.5	45.0	45.3	45.6	46.6	47.2	47.7	48.3	49.0	49.9	50.4	50.9	51.6	51.9	52.1	52.2	52.5	53.0	53.3	53.4	53.6	54.0	54.0	0.7%

Table 23. Industrial Sector Macroeconomic Indicators																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Primary Metals Industry	149.5	150.7	145.8	148.4	151.4	153.3	154.8	156.2	158.4	160.5	161.7	162.0	162.7	163.0	163.4	163.8	164.4	165.7	167.1	166.9	167.8	168.3	168.3	168.0	0.5%
Blast Furnace and Basic Steel Products	69.4	70.8	68.8	70.2	72.0	73.1	74.4	75.1	76.4	77.6	78.5	78.7	78.6	78.4	78.7	79.0	79.6	80.3	81.2	81.3	81.7	81.6	81.6	81.4	0.7%
Aluminum	28.7	28.2	27.4	27.9	28.4	28.8	29.0	29.1	29.3	29.5	29.6	29.5	29.5	29.4	29.6	29.5	29.4	29.4	29.4	29.2	29.3	29.3	29.1	28.8	0.0%
Other Primary Metal Products	51.4	51.6	49.6	50.2	51.0	51.4	51.5	51.9	52.7	53.3	53.6	53.8	54.6	55.2	55.2	55.3	55.4	56.0	56.5	56.3	56.8	57.3	57.6	57.8	0.5%
Fabricated Metal Products	179.7	183.6	182.2	183.9	186.3	189.0	191.2	193.3	197.0	200.7	204.2	207.2	210.1	213.1	214.4	216.0	217.3	220.0	223.1	224.6	227.0	229.1	230.9	232.8	1.1%
Industrial Machinery and Equipment	316.0	334.4	335.0	339.2	353.3	367.2	378.8	391.3	407.6	422.2	436.9	451.2	465.6	477.0	484.9	495.4	507.1	520.1	536.4	547.5	559.2	570.7	584.0	595.4	2.8%
Electronic and Other Electric Equipment	352.3	374.0	375.8	380.8	404.7	425.0	447.7	477.8	515.3	557.3	590.8	621.8	664.9	703.5	724.5	752.3	777.1	811.9	849.0	863.6	919.0	962.1	992.6	1021.1	4.7%
Transportation Equipment	408.6	429.7	421.3	428.1	433.6	438.8	449.7	458.9	471.6	477.7	486.9	498.4	507.3	516.5	519.1	523.4	528.6	536.4	545.7	549.5	555.5	561.7	567.9	571.8	1.5%
Instruments & Related Products	125.7	129.7	128.9	129.8	132.4	133.7	136.9	140.2	144.7	150.7	156.1	161.1	166.2	170.4	173.6	176.4	179.3	182.4	185.7	188.0	190.1	191.9	193.9	194.9	1.9%
Miscellaneous Manufacturing Industries	42.0	42.9	42.4	42.5	44.1	45.0	45.3	45.7	46.8	47.8	48.8	49.8	50.8	51.2	51.3	51.6	51.8	52.4	53.0	52.9	52.7	52.7	52.7	52.5	1.0%
Total Industrial Gross Output	3982.2	4104.2	4101.3	4153.5	4244.1	4328.8	4415.3	4510.1	4639.1	4765.8	4887.2	4998.8	5123.1	5237.0	5308.8	5393.5	5472.6	5577.6	5693.4	5758.8	5868.5	5967.5	6054.7	6131.0	1.9%

GDP = Gross domestic product.

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

Sources: 1997: Data Resources Incorporated (DRI), DRI Trend0898. Projections: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 24. Refining Industry Energy Consumption																								1997-2020			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020			
Industry Output (billion 1987 dollars)	139.04	141.35	143.46	142.71	142.96	145.05	145.58	146.44	147.47	149.26	151.75	152.15	154.53	156.52	157.61	158.47	159.38	160.54	161.07	161.38	162.30	162.57	162.94	163.22	0.7%		
Energy Consumption (trillion Btu)																											
Residual Oil	56.2	31.2	37.1	38.4	39.6	41.1	41.7	40.0	40.2	40.9	41.4	42.2	42.5	43.5	45.9	43.9	44.2	46.8	47.2	47.2	47.2	47.6	44.5	44.5	-1.0%		
Distillate Oil	4.2	4.3	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	0.0	0.0	0.0	0.0	N/A	
Liquefied Petroleum Gas	19.3	19.6	19.7	5.7	4.3	4.8	4.7	4.2	4.4	5.0	6.6	6.8	6.6	6.8	6.9	6.9	7.4	6.9	6.9	6.9	6.9	6.9	6.9	6.9	4.8	-5.9%	
Petroleum Coke	573.1	582.9	585.2	596.4	581.5	564.9	565.1	562.2	563.3	556.4	543.7	549.4	548.5	539.3	532.5	527.2	522.1	517.9	514.5	512.0	504.5	503.9	498.9	497.1		-0.6%	
Still Gas	1434.9	1459.5	1465.3	1730.0	1748.2	1807.6	1778.5	1771.1	1775.6	1797.4	1819.4	1841.1	1851.0	1872.9	1854.0	1834.4	1828.7	1815.0	1819.8	1797.0	1793.0	1789.4	1756.8	1755.8		0.9%	
Other Petroleum 2/	38.7	39.4	39.5	47.2	18.1	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	2126.5	2136.8	2151.1	2417.6	2391.7	2423.2	2390.1	2377.4	2383.5	2399.6	2411.0	2439.6	2448.6	2462.5	2439.3	2412.3	2402.3	2386.6	2388.3	2363.0	2351.6	2347.9	2307.1	2302.2		0.3%	
Natural Gas	799.8	813.6	816.8	907.9	979.3	999.0	1043.1	1064.4	1081.5	1093.0	1121.9	1109.5	1133.2	1146.7	1166.5	1194.7	1206.0	1218.2	1228.0	1247.1	1248.3	1255.3	1278.2	1283.3		2.1%	
Steam Coal	3.1	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Purchased Electricity	109.6	111.5	111.9	153.1	159.8	167.2	167.5	168.4	171.0	179.4	185.2	189.1	190.9	194.8	195.9	196.2	196.6	196.1	199.4	198.3	199.3	200.1	199.7	200.4		2.7%	
Total	3039.0	3065.0	3083.1	3478.6	3530.9	3589.3	3600.7	3610.2	3636.1	3672.1	3718.1	3738.2	3772.7	3804.0	3801.7	3803.2	3804.9	3800.9	3815.7	3808.3	3799.2	3803.3	3785.1	3785.9		1.0%	
Energy Consumption per Unit of Output (thousand Btu per 1987 dollar of output)																											
Residual Oil	0.40	0.22	0.26	0.27	0.28	0.28	0.29	0.27	0.27	0.27	0.27	0.28	0.27	0.28	0.29	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.27	0.27		-1.7%	
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	0.00	0.00	0.00	0.00	N/A	
Liquefied Petroleum Gas	0.14	0.14	0.14	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03		-6.5%
Petroleum Coke	4.12	4.12	4.08	4.18	4.07	3.89	3.88	3.84	3.82	3.73	3.58	3.61	3.55	3.45	3.38	3.33	3.28	3.23	3.19	3.17	3.11	3.10	3.06	3.05		-1.3%	
Still Gas	10.32	10.33	10.21	12.12	12.23	12.46	12.22	12.09	12.04	12.04	11.99	12.10	11.98	11.97	11.76	11.58	11.47	11.31	11.30	11.13	11.05	11.01	10.78	10.76		0.2%	
Other Petroleum 2/	0.28	0.28	0.28	0.33	0.13	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	N/A	
Petroleum Subtotal	15.29	15.12	15.00	16.94	16.73	16.71	16.42	16.24	16.16	16.08	15.89	16.03	15.84	15.73	15.48	15.22	15.07	14.87	14.83	14.64	14.49	14.44	14.16	14.11		-0.4%	
Natural Gas	5.75	5.76	5.69	6.36	6.85	6.89	7.17	7.27	7.33	7.32	7.39	7.29	7.33	7.33	7.40	7.54	7.57	7.59	7.62	7.73	7.69	7.72	7.84	7.86		1.4%	
Steam Coal	0.02	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	0.00	0.00	0.00	N/A	
Purchased Electricity	0.79	0.79	0.78	1.07	1.12	1.15	1.15	1.15	1.16	1.20	1.22	1.24	1.24	1.24	1.24	1.24	1.23	1.22	1.24	1.23	1.23	1.23	1.23	1.23	1.23		1.9%
Total	21.86	21.68	21.49	24.37	24.70	24.75	24.73	24.65	24.66	24.60	24.50	24.57	24.41	24.30	24.12	24.00	23.87	23.68	23.69	23.60	23.41	23.40	23.23	23.20		0.3%	

1/ Fuel consumption includes consumption for cogeneration.

2/ Includes lubricants and miscellaneous petroleum products.

Btu = British thermal unit.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 25. Food Industry Energy Consumption																								1997-2020	
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Industry Output (billion 1987 dollars)	395.26	401.54	406.05	412.89	417.59	421.39	426.14	431.28	437.73	444.30	451.03	457.44	463.90	470.04	475.70	481.13	486.36	491.95	497.83	502.62	507.59	512.55	517.38	522.01	1.2%
Energy Consumption (trillion Btu)																									
Residual Oil	10.1	11.1	11.1	12.1	12.0	12.0	12.1	12.5	12.6	12.4	12.2	12.4	12.4	12.5	12.6	12.9	12.8	12.9	13.2	13.0	13.2	13.3	13.4	13.4	1.2%
Distillate Oil	17.4	18.0	18.4	19.4	19.5	19.4	19.4	19.7	19.5	19.3	19.1	19.3	19.3	19.5	19.6	19.9	19.9	20.1	20.5	20.4	20.7	20.9	21.0	21.1	0.8%
Liquefied Petroleum Gas	5.2	6.3	6.6	6.5	6.6	6.6	6.5	6.4	6.3	6.3	6.3	6.6	6.6	6.7	6.7	6.8	6.8	6.9	7.1	7.1	7.1	7.1	7.2	7.2	1.5%
Other Petroleum 2/	176.8	179.6	186.8	200.9	201.6	203.5	205.9	214.3	216.3	214.2	212.3	215.0	214.9	218.4	220.2	224.9	225.0	227.4	231.8	230.2	232.8	234.8	237.5	238.7	1.3%
Petroleum Subtotal	209.5	215.0	222.9	238.8	239.7	241.5	243.9	252.9	254.7	252.2	249.9	253.2	253.1	257.1	259.2	264.5	264.5	267.4	272.5	270.7	273.7	276.1	279.0	280.4	1.3%
Natural Gas	666.4	674.2	700.0	691.6	690.0	686.9	684.9	679.2	680.0	683.2	686.7	687.4	691.1	693.5	697.1	699.3	704.7	708.5	711.0	716.5	719.5	723.2	726.1	729.2	0.4%
Steam Coal	228.1	227.8	238.3	237.7	240.9	242.7	244.9	245.4	247.8	251.7	254.0	255.3	257.0	258.5	260.2	261.5	263.9	266.2	269.1	272.7	275.3	277.8	280.1	282.8	0.9%
Renewables	14.4	14.6	14.8	15.1	15.3	15.5	15.7	15.9	16.2	16.5	16.8	17.0	17.3	17.6	17.8	18.1	18.4	18.6	18.9	19.1	19.4	19.6	19.9	20.1	1.5%
Purchased Electricity	207.8	209.9	214.2	215.1	216.8	217.8	218.7	219.8	222.1	224.6	226.6	228.3	230.1	231.6	233.6	235.9	238.1	240.4	243.0	245.1	247.4	249.2	251.2	253.1	0.9%
Total	1326.2	1341.6	1390.2	1398.2	1402.8	1404.4	1408.2	1413.2	1420.9	1428.1	1434.0	1441.3	1448.6	1458.2	1467.9	1479.3	1489.5	1501.1	1514.5	1524.2	1535.2	1545.9	1556.3	1565.6	0.7%
Energy Consumption per Unit of Output (thousand Btu per 1987 dollar of output)																									
Residual Oil	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.0%
Distillate Oil	0.04	0.04	0.05	0.05	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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-0.4%
Liquefied Petroleum Gas	0.01	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.2%
Other Petroleum 2/	0.45	0.45	0.46	0.49	0.48	0.48	0.48	0.50	0.49	0.48	0.47	0.47	0.46	0.46	0.46	0.47	0.46	0.46	0.47	0.46	0.46	0.46	0.46	0.46	0.1%
Petroleum Subtotal	0.53	0.54	0.55	0.58	0.57	0.57	0.57	0.59	0.58	0.57	0.55	0.55	0.55	0.55	0.54	0.55	0.54	0.55	0.54	0.54	0.54	0.54	0.54	0.54	0.1%
Natural Gas	1.69	1.68	1.72	1.67	1.65	1.63	1.61	1.57	1.55	1.54	1.52	1.50	1.49	1.48	1.47	1.45	1.45	1.44	1.43	1.43	1.42	1.41	1.40	1.40	-0.8%
Steam Coal	0.58	0.57	0.59	0.58	0.58	0.58	0.57	0.57	0.57	0.57	0.56	0.56	0.55	0.55	0.55	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	-0.3%
Renewables	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	0.04	0.04	0.04	0.2%
Purchased Electricity	0.53	0.52	0.53	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.50	0.50	0.50	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.48	-0.4%
Total	3.36	3.34	3.42	3.39	3.36	3.33	3.30	3.28	3.25	3.21	3.18	3.15	3.12	3.10	3.09	3.07	3.06	3.05	3.04	3.03	3.02	3.02	3.01	3.00	-0.5%

1/ Fuel consumption includes consumption for cogeneration.

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

Btu = British thermal unit.

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

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 26. Paper Industry Energy Consumption																								1997-2020			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020			
Industry Output (billion 1987 dollars)	125.21	127.32	128.24	130.67	132.85	134.61	135.90	137.41	139.64	141.88	143.98	145.67	147.81	149.47	150.92	152.38	153.56	155.12	156.84	157.96	159.17	160.30	161.33	162.23	1.1%		
Energy Consumption (trillion Btu)																											
Residual Oil	20.1	22.8	22.7	23.8	23.3	23.2	22.9	23.6	23.4	22.8	22.1	22.2	21.9	21.9	21.9	22.2	21.8	21.9	22.3	21.7	21.8	21.8	21.9	21.8	0.4%		
Distillate Oil	14.9	14.5	14.6	14.6	14.5	14.5	14.5	14.5	14.5	14.4	14.3	14.3	14.2	14.2	14.1	14.1	14.1	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.9	-0.3%	
Liquefied Petroleum Gas	13.9	14.8	15.1	15.0	15.0	15.0	15.0	14.8	14.8	14.8	14.8	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.1	15.1	15.0	15.0	15.0	15.0	15.0	0.3%	
Other Petroleum 2/	15.7	15.0	15.5	15.6	15.7	16.0	16.3	16.6	17.0	17.0	17.0	17.0	17.0	17.0	17.0	16.9	16.9	16.9	16.9	16.8	16.8	16.8	16.8	16.8	16.8	0.3%	
Petroleum Subtotal	64.6	67.2	68.0	69.0	68.6	68.8	68.7	69.6	69.8	69.0	68.3	68.4	68.1	68.1	68.0	68.2	67.8	67.8	68.3	67.7	67.6	67.6	67.6	67.6	67.5	0.2%	
Natural Gas	369.3	368.2	377.7	372.0	369.1	364.6	361.0	355.3	351.0	348.3	344.6	340.3	337.1	333.1	330.3	328.3	326.8	325.1	323.0	322.7	321.6	320.7	319.5	318.4	318.4	-0.6%	
Steam Coal	176.5	174.3	176.9	173.3	170.7	167.4	163.6	159.6	155.9	153.1	148.7	144.4	140.4	136.3	132.9	130.8	128.4	126.0	124.2	123.0	121.6	120.3	119.1	118.1	118.1	-1.7%	
Renewables	1482.8	1509.1	1521.0	1550.7	1577.6	1599.4	1615.5	1634.4	1665.9	1697.2	1726.9	1751.6	1781.5	1805.2	1826.5	1847.6	1865.2	1887.5	1911.8	1928.1	1945.9	1962.4	1977.6	1991.6	1.3%		
Purchased Electricity	238.5	237.7	239.6	238.0	238.6	238.6	236.8	235.1	234.7	234.5	233.7	232.2	231.3	229.8	228.7	228.6	228.5	228.7	229.1	229.2	229.2	229.0	228.7	228.3	228.3	-0.2%	
Total	2331.7	2356.6	2383.2	2403.0	2424.6	2438.7	2445.6	2454.0	2477.3	2502.1	2522.1	2536.9	2558.4	2572.5	2586.3	2603.5	2616.8	2635.1	2656.3	2670.6	2686.0	2700.0	2712.6	2724.0	2724.0	0.7%	
Energy Consumption per Unit of Output (thousand Btu per 1987 dollar of output)																											
Residual Oil	0.16	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.16	0.15	0.15	0.15	0.15	0.14	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	-0.8%	
Distillate Oil	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	-1.4%
Liquefied Petroleum Gas	0.11	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	-0.8%	
Other Petroleum 2/	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	-0.8%	
Petroleum Subtotal	0.52	0.53	0.53	0.53	0.52	0.51	0.51	0.51	0.50	0.49	0.47	0.47	0.46	0.46	0.45	0.45	0.44	0.44	0.44	0.43	0.42	0.42	0.42	0.42	0.42	-0.9%	
Natural Gas	2.95	2.89	2.95	2.85	2.78	2.71	2.66	2.59	2.51	2.46	2.39	2.34	2.28	2.23	2.19	2.15	2.13	2.10	2.06	2.04	2.02	2.00	1.98	1.96	1.96	-1.8%	
Steam Coal	1.41	1.37	1.38	1.33	1.28	1.24	1.20	1.16	1.12	1.08	1.03	0.99	0.95	0.91	0.88	0.86	0.84	0.81	0.79	0.78	0.76	0.75	0.74	0.73	0.73	-2.8%	
Renewables	11.84	11.85	11.86	11.87	11.87	11.88	11.89	11.89	11.93	11.96	11.99	12.02	12.05	12.08	12.10	12.12	12.15	12.17	12.19	12.21	12.22	12.24	12.26	12.28	12.28	0.2%	
Purchased Electricity	1.90	1.87	1.87	1.82	1.80	1.77	1.74	1.71	1.68	1.65	1.62	1.59	1.56	1.54	1.52	1.50	1.49	1.47	1.46	1.45	1.44	1.43	1.42	1.41	1.41	-1.3%	
Total	18.62	18.51	18.58	18.39	18.25	18.12	18.00	17.86	17.74	17.64	17.52	17.42	17.31	17.21	17.14	17.09	17.04	16.99	16.94	16.91	16.87	16.84	16.81	16.79	16.79	-0.4%	

1/ Fuel consumption includes consumption for cogeneration.

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

Btu = British thermal unit.

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

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 27. Bulk Chemical Industry Energy Consumption																								1997-2020		
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Industry Output (billion 1987 dollars)	151.90	149.88	148.73	151.69	154.54	156.81	157.23	158.44	160.70	163.50	166.01	168.06	170.25	172.41	174.18	176.35	178.10	180.28	182.56	184.41	186.60	188.94	190.47	192.53	1.0%	
Energy Consumption (trillion Btu)																										
Heat and Power																										
Residual Oil	15.4	16.5	16.2	17.8	17.6	17.7	17.4	18.0	18.1	17.8	17.4	17.7	17.7	17.9	18.0	18.5	18.3	18.5	19.0	18.6	18.9	19.0	19.2	19.3	1.0%	
Distillate Oil	6.3	6.3	6.4	6.4	6.4	6.4	6.2	6.1	6.1	6.1	6.0	6.1	6.1	6.2	6.2	6.2	6.2	6.2	6.3	6.4	6.4	6.4	6.5	6.5	0.1%	
Liquefied Petroleum Gas	2.0	2.7	2.8	2.7	2.7	2.7	2.6	2.5	2.5	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	1.5%	
Other Petroleum 2/	348.3	340.6	344.5	377.6	376.4	379.5	375.4	387.6	389.4	385.2	379.5	383.6	380.1	384.7	386.8	397.1	395.4	399.8	409.4	404.1	409.2	413.6	418.2	421.1	0.8%	
Petroleum Subtotal	372.0	366.2	369.9	404.4	403.1	406.3	401.7	414.2	416.1	411.6	405.5	410.0	406.6	411.4	413.7	424.4	422.6	427.2	437.6	431.9	437.2	441.8	446.7	449.7	0.8%	
Natural Gas	2176.0	2159.0	2213.9	2202.0	2217.9	2219.3	2200.4	2180.8	2175.8	2185.7	2192.6	2190.1	2193.1	2195.2	2205.6	2216.8	2230.2	2243.7	2254.7	2271.5	2285.5	2302.7	2308.6	2321.0	0.3%	
Steam Coal	183.2	174.9	179.6	177.8	182.9	186.4	186.3	184.7	187.7	192.7	196.3	197.0	199.0	200.5	203.0	204.8	208.1	211.5	214.6	219.9	223.5	227.1	229.3	232.9	1.0%	
Purchased Electricity	637.7	624.6	625.3	629.1	638.7	645.2	640.8	639.8	646.1	655.0	661.9	666.4	671.2	675.8	680.7	688.5	694.7	702.8	711.9	719.3	727.6	736.2	741.7	749.1	0.7%	
Total Heat and Power	3368.9	3324.7	3388.7	3413.3	3442.6	3457.1	3429.2	3419.5	3425.7	3445.0	3456.2	3463.6	3469.9	3482.9	3503.0	3534.6	3555.7	3585.2	3618.8	3642.6	3673.7	3707.9	3726.2	3752.7	0.5%	
Feedstock																										
Liquefied Petroleum Gas	1855.1	1765.9	1788.9	1823.9	1857.5	1889.6	1901.5	1922.0	1954.3	1983.2	2008.7	2029.3	2051.2	2073.0	2090.4	2112.3	2129.6	2151.7	2175.1	2193.6	2215.8	2239.6	2254.1	2274.6	0.9%	
Petrochemical Feedstocks	1460.7	1436.0	1458.0	1471.1	1482.9	1478.6	1457.9	1443.7	1438.1	1458.9	1477.3	1492.1	1508.0	1523.7	1536.3	1552.3	1564.9	1581.1	1598.1	1611.5	1627.8	1645.3	1656.2	1671.6	0.6%	
Natural Gas	707.0	703.2	723.6	733.6	743.2	748.3	745.2	745.5	750.4	761.3	770.9	778.0	787.0	795.3	801.9	810.3	816.9	825.3	834.2	841.2	849.7	858.9	864.6	872.6	0.9%	
Total Feedstocks	4022.8	3905.0	3970.4	4028.6	4083.6	4116.5	4104.6	4111.1	4142.7	4203.4	4256.9	4300.0	4346.2	4392.0	4428.7	4474.9	4511.4	4558.1	4607.4	4646.3	4693.3	4743.8	4774.9	4818.7	0.8%	
Total	7391.8	7229.7	7359.1	7441.9	7526.2	7573.6	7533.7	7530.6	7568.4	7648.4	7713.1	7763.7	7816.1	7874.9	7931.7	8009.5	8067.1	8143.3	8226.1	8288.9	8367.1	8451.7	8501.1	8571.4	0.6%	
Consumption per Unit of Output (thousand Btu per 1987 dollar of output)																										
Heat and Power																										
Residual Oil	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	0.1	0.1	0.1	-0.0%	
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	0.0	0.0	0.0	0.0	-0.9%
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	0.0	0.0	0.0	0.0	0.4%
Other Petroleum	2.3	2.3	2.3	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	-0.2%
Petroleum Subtotal	2.4	2.4	2.4	2.6	2.6	2.6	2.5	2.6	2.6	2.5	2.4	2.4	2.4	2.4	2.3	2.4	2.3	2.3	2.4	2.3	2.3	2.3	2.3	2.3	2.3	-0.2%
Natural Gas 2/	14.3	14.4	14.9	14.5	14.4	14.2	14.0	13.8	13.5	13.4	13.2	13.0	12.9	12.7	12.7	12.6	12.5	12.4	12.4	12.3	12.2	12.2	12.1	12.1	12.1	-0.7%
Steam Coal	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	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0%
Purchased Electricity	4.2	4.2	4.2	4.1	4.1	4.1	4.1	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	3.9	3.9	3.9	3.9	3.9	-0.3%
Total Heat and Power	22.1	22.1	22.7	22.5	22.2	22.0	21.8	21.5	21.3	21.0	20.8	20.6	20.3	20.2	20.1	20.0	19.9	19.9	19.8	19.7	19.7	19.6	19.5	19.5	19.5	-0.6%
Feedstock																										
Liquefied Petroleum Gas	12.2	11.8	12.0	12.0	12.0	12.1	12.1	12.1	12.2	12.1	12.1	12.1	12.0	12.0	12.0	12.0	12.0	11.9	11.9	11.9	11.9	11.9	11.8	11.8	11.8	-0.1%
Petrochemical Feedstocks	9.6	9.6	9.8	9.7	9.6	9.4	9.3	9.1	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.8	8.8	8.8	8.8	8.7	8.7	8.7	8.7	8.7	8.7	-0.4%
Natural Gas 2/	4.7	4.7	4.9	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	-0.1%
Total Feedstocks	26.5	26.1	26.7	26.6	26.4	26.3	26.1	25.9	25.8	25.7	25.6	25.6	25.5	25.5	25.4	25.4	25.3	25.3	25.2	25.2	25.2	25.1	25.1	25.0	25.0	-0.2%
Total	48.6	48.2	49.4	49.0	48.7	48.3	47.9	47.5	47.1	46.7	46.4	46.2	45.9	45.6	45.5	45.4	45.3	45.1	45.0	44.9	44.8	44.7	44.6	44.5	44.5	-0.4%

1/ Fuel consumption includes consumption for cogeneration.

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

Btu = British thermal unit.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 28. Glass Industry Energy Consumption																								1997-2020	
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Industry Output (billion 1987 dollars)	19.52	19.49	19.08	18.91	19.13	19.29	19.37	19.44	19.65	19.82	19.97	20.09	20.23	20.44	20.55	20.74	20.91	21.17	21.39	21.52	21.60	21.80	21.96	22.13	0.5%
Energy Consumption (trillion Btu)																									
Residual Oil	5.9	7.0	7.0	7.2	7.1	7.1	7.1	7.3	7.2	7.0	6.8	6.8	6.8	6.8	6.7	6.8	6.8	6.9	7.0	6.9	7.0	7.1	7.1	7.1	0.8%
Distillate Oil	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	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	0.8	0.8	-0.4%
Liquefied Petroleum Gas	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	0.6	0.6	0.5	0.6	0.6	0.6	0.3%
Petroleum Subtotal	7.2	8.4	8.4	8.6	8.5	8.5	8.5	8.6	8.5	8.3	8.1	8.1	8.0	8.0	8.0	8.1	8.0	8.1	8.3	8.2	8.3	8.4	8.4	8.4	0.7%
Natural Gas	157.9	155.3	156.1	151.9	152.0	150.8	149.0	146.8	145.8	145.2	144.1	142.6	141.4	140.4	139.6	139.3	139.3	139.6	139.6	139.8	139.3	139.6	139.7	140.0	-0.5%
Purchased Electricity	29.6	29.2	28.9	28.3	28.5	28.6	28.5	28.4	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.9	29.1	29.3	29.5	29.6	29.7	29.8	29.9	30.1	0.1%
Total	194.7	192.9	193.5	188.7	189.0	187.9	186.0	183.8	182.9	182.2	180.9	179.4	178.0	177.2	176.3	176.3	176.4	177.0	177.5	177.6	177.3	177.8	178.0	178.4	-0.4%
Energy Consumption per Unit of Output (thousand Btu per 1987 dollar of output)																									
Residual Oil	0.30	0.36	0.37	0.38	0.37	0.37	0.37	0.38	0.37	0.35	0.34	0.34	0.33	0.33	0.33	0.33	0.33	0.32	0.32	0.33	0.32	0.32	0.33	0.32	0.3%
Distillate Oil	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-0.9%
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	0.03	0.03	0.02	-0.2%
Petroleum Subtotal	0.37	0.43	0.44	0.45	0.44	0.44	0.44	0.44	0.43	0.42	0.41	0.40	0.40	0.39	0.39	0.39	0.38	0.38	0.39	0.38	0.38	0.38	0.38	0.38	0.1%
Natural Gas	8.09	7.97	8.18	8.03	7.95	7.81	7.69	7.55	7.42	7.33	7.22	7.10	6.99	6.87	6.79	6.72	6.66	6.59	6.53	6.50	6.45	6.40	6.36	6.32	-1.1%
Purchased Electricity	1.52	1.50	1.52	1.50	1.49	1.48	1.47	1.46	1.45	1.45	1.44	1.43	1.42	1.40	1.40	1.39	1.39	1.38	1.38	1.38	1.37	1.37	1.36	1.36	-0.5%
Total	9.98	9.90	10.14	9.98	9.88	9.74	9.60	9.45	9.31	9.19	9.06	8.93	8.80	8.67	8.58	8.50	8.44	8.36	8.30	8.26	8.21	8.16	8.11	8.06	-0.9%

1/ Fuel consumption includes consumption for cogeneration.

Btu = British thermal unit.

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

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 29. Cement Industry Energy Consumption																								1997-2020		
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Industry Output (billion 1987 dollars)	4.76	4.66	4.54	4.56	4.60	4.68	4.74	4.77	4.84	4.91	4.99	5.05	5.08	5.14	5.15	5.16	5.16	5.20	5.24	5.27	5.28	5.29	5.31	5.30	0.5%	
Energy Consumption (trillion Btu)																										
Residual Oil	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.7	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	-0.7%
Distillate Oil	2.9	3.3	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9	1.9	-1.8%
Other Petroleum 2/	109.0	101.5	101.7	102.4	103.0	105.7	107.8	109.2	111.8	112.1	112.1	111.8	111.1	110.6	109.6	108.9	108.2	108.1	108.1	108.0	107.6	107.3	107.3	106.8	106.8	-0.1%
Petroleum Subtotal	112.5	105.6	105.5	106.2	106.6	109.2	111.2	112.4	114.9	115.1	115.0	114.6	113.9	113.4	112.4	111.5	110.9	110.7	110.7	110.6	110.1	109.7	109.7	109.2	109.2	-0.1%
Natural Gas	27.8	29.2	27.8	27.5	26.6	25.8	25.1	24.4	23.7	22.9	22.4	22.0	21.6	21.2	20.8	20.5	20.2	19.9	19.5	19.5	19.1	18.8	18.5	18.3	18.0	-1.9%
Steam Coal	331.8	323.8	325.5	322.5	321.1	320.5	318.4	314.0	311.4	310.2	308.6	306.6	303.3	300.8	297.6	295.6	293.8	293.7	293.5	293.4	292.6	291.8	291.7	290.3	290.3	-0.6%
Purchased Electricity	44.1	43.2	42.4	42.1	42.2	42.5	42.6	42.5	42.8	43.1	43.4	43.6	43.5	43.6	43.5	43.5	43.4	43.5	43.7	43.8	43.8	43.7	43.8	43.6	43.6	-0.0%
Total	516.2	501.8	501.1	498.3	496.4	498.0	497.3	493.3	492.8	491.4	489.4	486.8	482.3	479.0	474.3	471.1	468.3	467.8	467.4	466.9	465.2	463.8	463.6	461.1	461.1	-0.5%
Energy Consumption per Unit of Output (thousand Btu per 1987 dollar of output)																										
Residual Oil	0.12	0.16	0.15	0.16	0.15	0.14	0.14	0.14	0.13	0.12	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	-1.2%
Distillate Oil	0.62	0.71	0.68	0.66	0.63	0.60	0.57	0.54	0.51	0.49	0.47	0.46	0.44	0.44	0.43	0.42	0.41	0.40	0.40	0.39	0.38	0.37	0.37	0.36	0.36	-2.3%
Other Petroleum 2/	22.89	21.80	22.38	22.44	22.38	22.59	22.75	22.90	23.08	22.81	22.48	22.14	21.86	21.54	21.28	21.09	20.96	20.79	20.65	20.52	20.40	20.30	20.20	20.14	20.14	-0.6%
Petroleum Subtotal	23.62	22.67	23.22	23.27	23.16	23.34	23.45	23.58	23.73	23.42	23.05	22.70	22.41	22.08	21.82	21.61	21.47	21.29	21.14	21.00	20.87	20.76	20.66	20.60	20.60	-0.6%
Natural Gas	5.85	6.27	6.11	6.02	5.77	5.52	5.30	5.12	4.88	4.67	4.50	4.37	4.25	4.13	4.04	3.98	3.91	3.82	3.72	3.63	3.56	3.51	3.45	3.39	3.39	-2.3%
Steam Coal	69.67	69.54	71.64	70.66	69.80	68.51	67.16	65.84	64.28	63.13	61.87	60.74	59.67	58.58	57.79	57.27	56.91	56.47	56.06	55.71	55.45	55.20	54.94	54.75	54.75	-1.0%
Purchased Electricity	9.26	9.27	9.33	9.22	9.17	9.09	8.99	8.91	8.84	8.77	8.70	8.63	8.56	8.48	8.45	8.43	8.41	8.37	8.35	8.32	8.30	8.27	8.25	8.23	8.23	-0.5%
Total	108.39	107.76	110.30	109.17	107.91	106.46	104.91	103.44	101.73	99.99	98.13	96.43	94.88	93.28	92.10	91.28	90.70	89.95	89.27	88.66	88.19	87.74	87.30	86.97	86.97	-1.0%

1/ Fuel consumption includes consumption for cogeneration.

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

Btu = British thermal unit.

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

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 30. Iron and Steel Industries Energy Consumption																								1997-2020	
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Industry Output (billion 1987 dollars)	69.44	70.82	68.80	70.20	72.03	73.07	74.36	75.14	76.43	77.64	78.46	78.69	78.58	78.40	78.65	79.04	79.62	80.30	81.19	81.32	81.75	81.64	81.63	81.36	0.7%
Energy Consumption (trillion Btu)																									
Residual Oil	24.7	28.8	27.8	28.9	28.4	28.0	27.8	28.8	28.4	27.5	26.3	26.2	25.4	25.2	24.8	25.2	24.7	24.6	25.2	24.3	24.4	24.3	24.3	24.1	-0.1%
Other Petroleum 2/	133.1	132.2	131.9	137.5	137.8	139.0	140.4	143.7	145.0	143.2	140.1	138.7	135.6	133.7	132.2	132.6	131.3	130.9	131.6	129.5	129.3	128.5	128.3	127.3	-0.2%
Petroleum Subtotal	157.8	161.0	159.7	166.4	166.1	167.0	168.2	172.5	173.4	170.7	166.4	165.0	160.9	158.9	157.0	157.8	156.0	155.5	156.8	153.8	153.7	152.8	152.6	151.4	-0.2%
Natural Gas	518.8	522.1	523.5	520.3	525.9	525.3	526.4	521.1	522.7	526.3	527.9	524.7	521.9	517.4	517.8	518.4	522.8	526.7	531.2	535.6	540.0	542.2	544.8	546.7	0.2%
Metallurgical Coal	789.0	766.0	790.0	775.4	761.1	746.4	731.4	716.5	701.8	688.5	674.4	660.6	647.1	633.8	621.2	610.1	599.4	588.8	578.5	568.5	559.0	549.7	540.5	531.5	-1.7%
Net Coke Imports	18.0	99.8	90.8	108.4	124.6	136.0	148.4	158.0	170.3	181.9	190.6	195.8	198.9	201.6	206.8	213.8	222.0	230.7	240.4	246.3	254.3	259.4	265.1	269.2	12.5%
Steam Coal	103.7	100.5	102.3	101.3	103.8	105.3	106.6	106.1	107.6	109.8	110.7	109.9	109.4	108.4	108.5	108.4	109.5	110.3	111.4	113.1	114.0	114.3	114.6	114.8	0.4%
Coal Subtotal	910.7	966.3	983.1	985.1	989.5	987.7	986.5	980.6	979.8	980.2	975.6	966.3	955.4	943.9	936.5	932.4	930.9	929.8	930.3	927.9	927.4	923.4	920.1	915.5	0.0%
Purchased Electricity	159.0	160.9	157.9	159.0	163.4	165.6	167.6	168.4	171.1	173.7	174.6	174.0	172.6	171.0	171.2	172.1	173.5	175.1	177.4	178.0	179.1	178.8	178.9	178.2	0.5%
Total	1746.3	1810.3	1824.2	1830.7	1844.9	1845.6	1848.6	1842.6	1847.0	1850.8	1844.6	1829.9	1810.8	1791.2	1782.5	1780.8	1783.2	1787.2	1795.5	1795.2	1800.2	1797.2	1796.5	1791.8	0.1%
Energy Consumption per Unit of Output (thousand Btu per 1987 dollar of output)																									
Residual Oil	0.36	0.41	0.40	0.41	0.39	0.38	0.37	0.38	0.37	0.35	0.34	0.33	0.32	0.32	0.32	0.32	0.31	0.31	0.31	0.30	0.30	0.30	0.30	0.30	-0.8%
Other Petroleum 2/	1.92	1.87	1.92	1.96	1.91	1.90	1.89	1.91	1.90	1.84	1.79	1.76	1.73	1.71	1.68	1.68	1.65	1.63	1.62	1.59	1.58	1.57	1.57	1.56	-0.9%
Petroleum Subtotal	2.27	2.27	2.32	2.37	2.31	2.29	2.26	2.30	2.27	2.20	2.12	2.10	2.05	2.03	2.00	2.00	1.96	1.94	1.93	1.89	1.88	1.87	1.87	1.86	-0.9%
Natural Gas	7.47	7.37	7.61	7.41	7.30	7.19	7.08	6.93	6.84	6.78	6.73	6.67	6.64	6.60	6.58	6.56	6.57	6.56	6.54	6.59	6.61	6.64	6.67	6.72	-0.5%
Metallurgical Coal	11.36	10.82	11.48	11.05	10.57	10.21	9.84	9.54	9.18	8.87	8.60	8.39	8.23	8.09	7.90	7.72	7.53	7.33	7.12	6.99	6.84	6.73	6.62	6.53	-2.4%
Net Coke Imports	0.26	1.41	1.32	1.54	1.73	1.86	2.00	2.10	2.23	2.34	2.43	2.49	2.53	2.57	2.63	2.71	2.79	2.87	2.96	3.03	3.11	3.18	3.25	3.31	11.7%
Steam Coal	1.49	1.42	1.49	1.44	1.44	1.44	1.43	1.41	1.41	1.41	1.41	1.40	1.39	1.38	1.38	1.37	1.38	1.37	1.37	1.39	1.39	1.40	1.40	1.41	-0.2%
Coal Subtotal	13.11	13.64	14.29	14.03	13.74	13.52	13.27	13.05	12.82	12.63	12.43	12.28	12.16	12.04	11.91	11.80	11.69	11.58	11.46	11.41	11.34	11.31	11.27	11.25	-0.7%
Purchased Electricity	2.29	2.27	2.29	2.26	2.27	2.27	2.25	2.24	2.24	2.24	2.23	2.21	2.20	2.18	2.18	2.18	2.18	2.18	2.18	2.19	2.19	2.19	2.19	2.19	-0.2%
Total	25.15	25.56	26.52	26.08	25.61	25.26	24.86	24.52	24.16	23.84	23.51	23.25	23.04	22.85	22.66	22.53	22.40	22.26	22.12	22.07	22.02	22.01	22.01	22.02	-0.6%

1/ Fuel consumption includes consumption for cogeneration.

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

Btu = British thermal unit.

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

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 31. Aluminum Industry Energy Consumption																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Industry Output (billion 1987 dollars)	28.68	28.20	27.39	27.91	28.39	28.80	28.95	29.11	29.35	29.48	29.57	29.51	29.52	29.43	29.56	29.49	29.39	29.42	29.41	29.24	29.28	29.30	29.07	28.83	0.0%
Energy Consumption (trillion Btu)																									
Distillate Oil	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	0.1	0.1	0.1	-2.5%
Liquefied Petroleum Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.3%
Natural Gas	87.0	85.9	86.5	85.7	84.8	83.5	81.9	80.4	78.9	77.6	76.3	74.9	73.6	72.4	71.7	70.8	69.9	69.2	68.5	67.6	67.0	66.3	65.4	64.4	-1.3%
Purchased Electricity	193.3	191.2	186.2	189.4	193.4	196.8	197.8	198.6	200.3	201.0	201.2	200.2	199.7	198.3	199.3	198.8	198.4	198.9	199.2	198.2	199.0	199.5	198.0	196.4	0.1%
Total	280.5	277.2	272.9	275.2	278.4	280.5	279.8	279.1	279.2	278.8	277.6	275.2	273.4	270.8	271.0	269.8	268.4	268.2	267.8	265.9	266.1	265.9	263.5	260.9	-0.3%
Energy Consumption per Unit of Output (thousand Btu per 1987 dollar of output)																									
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	0.00	0.00	0.00	-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	0.00	0.00	0.00	-2.3%
Natural Gas	3.03	3.05	3.16	3.07	2.99	2.90	2.83	2.76	2.69	2.63	2.58	2.54	2.49	2.46	2.43	2.40	2.38	2.35	2.33	2.31	2.29	2.26	2.25	2.23	-1.3%
Purchased Electricity	6.74	6.78	6.80	6.78	6.81	6.83	6.83	6.82	6.82	6.82	6.80	6.78	6.76	6.74	6.74	6.74	6.75	6.76	6.77	6.78	6.80	6.81	6.81	6.81	0.0%
Total	9.78	9.83	9.96	9.86	9.81	9.74	9.67	9.59	9.52	9.46	9.39	9.33	9.26	9.20	9.17	9.15	9.13	9.12	9.11	9.09	9.09	9.08	9.06	9.05	-0.3%

1/ Fuel consumption includes consumption for cogeneration.

Btu = British thermal unit.

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

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 32. Other Industrial Sector Energy Consumption (Trillion Btu)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Agriculture																									
Distillate Oil	595.4	582.8	593.8	602.6	614.5	624.1	637.9	652.3	669.0	679.4	688.3	696.6	705.1	713.2	717.9	725.6	732.5	740.9	750.0	756.1	760.3	767.7	774.9	782.4	1.2%
Liquid Petroleum Gas	83.3	85.2	87.8	89.0	90.7	91.8	93.3	94.9	97.0	98.5	99.9	101.5	102.9	104.2	104.9	106.1	107.1	108.4	109.9	110.9	111.3	112.5	113.5	114.6	1.4%
Motor Gasoline	87.2	85.9	87.1	88.5	90.4	92.0	94.2	96.4	99.0	100.5	101.9	103.1	104.4	105.6	106.3	107.4	108.4	109.7	111.0	111.9	112.6	113.7	114.7	115.8	1.2%
Other Petroleum	25.0	24.5	25.5	25.9	26.5	27.2	28.1	29.0	30.1	30.6	31.0	31.4	31.8	32.1	32.3	32.6	32.8	33.1	33.5	33.7	33.8	34.1	34.4	34.7	1.4%
Petroleum Subtotal	790.9	778.4	794.3	806.0	822.1	835.1	853.5	872.6	895.2	909.1	921.1	932.6	944.1	955.0	961.4	971.6	980.8	992.2	1004.4	1012.6	1018.0	1027.9	1037.6	1047.6	1.2%
Natural Gas	64.9	66.8	69.8	69.8	70.4	70.3	70.5	70.9	71.4	72.1	72.8	73.5	74.2	74.8	75.2	75.8	76.4	77.0	77.7	78.2	78.5	79.1	79.6	80.1	0.9%
Steam Coal	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	0.3	0.3	0.3	0.2%
Renewables	23.0	23.6	23.8	24.1	24.5	24.8	25.2	25.6	26.1	26.6	27.1	27.5	28.0	28.4	28.7	29.1	29.4	29.8	30.2	30.6	30.8	31.2	31.5	31.9	1.4%
Purchased Electricity	133.7	137.9	140.3	140.5	142.4	142.9	144.4	146.0	148.1	150.0	151.7	153.2	154.8	156.2	157.1	158.7	160.0	161.8	163.6	164.8	165.7	167.2	168.6	170.1	1.1%
Total	1012.8	1006.9	1028.4	1040.6	1059.7	1073.3	1093.9	1115.4	1141.0	1158.1	1173.0	1187.2	1201.3	1214.7	1222.7	1235.4	1246.9	1261.1	1276.3	1286.5	1293.3	1305.7	1317.6	1329.9	1.2%
Industry Output (billion 1987 dollars)	248.11	253.41	255.54	258.89	262.48	264.16	267.24	270.73	275.11	279.34	283.46	287.30	291.21	294.97	297.56	300.81	303.70	307.21	311.06	313.81	315.97	319.12	322.20	325.36	1.2%
Energy Consumption per Unit of Output (thousand Btu per 1987 dollar of output)	0.63	0.64	0.64	0.64	0.64	0.64	0.64	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	-0.1%
Construction																									
Residual Oil	58.0	59.1	59.6	61.3	62.6	65.5	68.0	70.4	73.6	75.4	77.2	78.8	80.5	82.2	83.4	84.3	85.1	86.1	87.5	88.7	89.6	90.6	91.8	92.9	2.1%
Distillate Oil	200.0	195.6	199.5	203.5	206.5	213.2	218.9	224.6	231.5	236.8	242.4	247.3	251.9	257.1	260.9	264.0	266.7	270.3	274.5	278.6	281.7	285.1	289.3	292.8	1.7%
Liquid Petroleum Gas	35.5	36.3	37.5	38.2	38.7	39.8	40.6	41.5	42.5	43.5	44.6	45.7	46.6	47.6	48.3	48.9	49.4	50.1	51.0	51.8	52.3	52.9	53.7	54.3	1.9%
Motor Gasoline	109.9	108.2	109.9	112.2	114.0	117.9	121.3	124.6	128.6	131.5	134.7	137.4	139.9	142.8	144.9	146.6	148.1	150.1	152.5	154.8	156.5	158.4	160.7	162.7	1.7%
Asphalt and Road Oil	1211.1	1190.6	1208.9	1230.9	1247.6	1283.4	1313.6	1343.7	1379.7	1410.8	1443.9	1472.4	1499.4	1529.8	1552.1	1569.9	1586.1	1607.2	1632.2	1656.2	1674.8	1694.2	1719.0	1739.6	1.6%
Petroleum Subtotal	1614.6	1589.8	1615.4	1646.1	1669.5	1719.7	1762.3	1804.9	1855.8	1898.1	1942.9	1981.5	2018.4	2059.5	2089.6	2113.7	2135.4	2163.8	2197.7	2229.9	2254.9	2281.1	2314.4	2342.4	1.6%
Natural Gas	216.8	223.7	234.4	236.2	237.7	241.3	244.1	246.8	250.3	255.6	261.4	266.4	271.1	276.4	280.4	283.5	286.2	289.8	294.0	298.2	301.3	304.6	308.6	311.6	1.6%
Purchased Electricity	123.5	127.3	129.6	130.4	131.5	134.2	136.2	138.1	140.7	143.6	146.7	149.3	151.8	154.6	156.7	158.4	159.9	161.9	164.3	166.6	168.4	170.2	172.6	174.5	1.5%
Total	1954.9	1940.8	1979.4	2012.8	2038.7	2095.3	2142.5	2189.8	2246.8	2297.3	2351.0	2397.2	2441.2	2490.4	2526.6	2555.5	2581.5	2615.5	2656.0	2694.7	2724.6	2756.0	2795.6	2828.6	1.6%
Industry Output (billion 1987 dollars)	427.95	439.50	444.87	453.34	459.53	471.96	481.92	491.74	503.76	516.98	530.99	543.10	554.66	567.46	576.97	584.75	591.78	600.79	611.28	621.38	629.43	637.79	648.18	656.96	1.9%
Energy Consumption per Unit of Output (thousand Btu per 1987 dollar of output)	4.57	4.42	4.45	4.44	4.44	4.44	4.45	4.45	4.46	4.44	4.43	4.41	4.40	4.39	4.38	4.37	4.36	4.35	4.35	4.34	4.33	4.32	4.31	4.31	-0.3%

Table 32. Other Industrial Sector Energy Consumption (Trillion Btu)																								1997-2020	
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Mining																									
Residual Oil	11.8	11.7	11.6	11.9	12.2	12.6	12.9	13.2	13.6	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.4	14.5	14.6	14.7	14.7	14.8	14.9	14.9	1.0%
Distillate Oil	184.8	176.0	176.7	179.0	182.6	185.9	188.7	191.5	194.8	197.1	198.5	199.8	200.9	202.0	203.5	204.5	205.6	207.3	208.7	209.5	210.7	211.7	212.7	213.4	0.6%
Motor Gasoline	13.8	13.2	13.5	13.6	13.8	14.0	14.3	14.4	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.6	15.7	15.8	15.9	16.0	16.1	16.1	16.1	0.7%
Other Petroleum	12.2	11.6	12.1	12.2	12.4	12.7	13.0	13.3	13.7	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	14.9	15.0	14.9	14.9	0.9%
Petroleum Subtotal	222.6	212.5	213.9	216.6	221.0	225.1	228.8	232.4	236.8	239.6	241.3	242.8	244.3	245.7	247.5	248.8	250.2	252.3	254.1	255.0	256.4	257.6	258.6	259.3	0.7%
Natural Gas	414.7	415.9	434.0	430.7	433.6	431.8	432.9	431.7	433.0	435.8	438.7	441.0	443.5	446.9	450.3	455.0	458.0	463.1	466.4	468.3	470.2	471.5	470.0	467.8	0.5%
Lease and Plant Fuel	1280.9	1280.9	1297.0	1331.1	1380.5	1424.3	1475.4	1516.0	1546.9	1573.5	1603.7	1630.4	1659.3	1694.3	1721.7	1757.1	1782.7	1824.1	1857.0	1885.0	1913.3	1940.0	1961.3	1979.5	1.9%
Steam Coal	93.0	92.7	92.6	93.0	94.6	95.0	95.0	95.6	96.1	97.3	98.0	98.4	98.8	99.5	99.7	99.9	100.1	100.6	100.9	100.9	101.1	101.5	102.0	102.2	0.4%
Renewables	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	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	0.7%
Purchased Electricity	300.5	299.8	299.3	298.6	302.7	304.4	305.7	307.1	309.7	312.7	314.6	315.8	317.1	318.9	320.6	322.4	323.9	326.6	328.6	329.4	330.9	332.1	332.7	332.9	0.4%
Total	2313.0	2303.1	2338.1	2371.3	2433.8	2482.1	2539.2	2584.2	2623.9	2660.2	2697.7	2730.0	2764.4	2806.8	2841.4	2884.6	2916.4	2968.3	3008.5	3040.1	3073.4	3104.3	3126.1	3143.3	1.3%
Industry Output (billion 1987 dollars)	136.11	135.64	135.82	136.49	138.49	139.47	140.82	141.78	143.43	145.28	146.79	148.10	149.40	150.80	152.36	153.86	155.12	156.98	158.45	159.42	160.55	161.51	162.04	162.36	0.8%
Energy Consumption per Unit of Output (thousand Btu per 1987 dollar of output)	16.99	16.98	17.21	17.37	17.57	17.80	18.03	18.23	18.29	18.31	18.38	18.43	18.50	18.61	18.65	18.75	18.80	18.91	18.99	19.07	19.14	19.22	19.29	19.36	0.6%
Metal-Based Durables Consumption																									
Residual Oil	15.5	16.9	16.7	18.4	18.6	19.1	19.5	20.5	21.5	21.8	22.0	22.8	23.6	24.4	24.6	25.2	25.2	25.7	26.7	26.4	27.1	27.6	28.0	28.2	2.6%
Distillate Oil	24.6	26.2	26.3	27.6	27.9	28.2	28.6	29.6	30.3	30.8	31.1	32.2	33.0	34.1	34.5	35.2	35.5	36.3	37.5	37.5	38.5	39.3	40.1	40.4	2.2%
Liquid Petroleum Gas	8.3	9.8	10.1	9.9	10.0	10.1	10.1	10.2	10.3	10.5	10.7	11.2	11.5	11.8	11.9	12.1	12.2	12.3	12.8	12.9	12.9	13.1	13.2	13.3	2.1%
Other Petroleum	5.4	5.2	5.3	5.4	5.4	5.5	5.6	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	0.3%
Petroleum Subtotal	53.8	58.1	58.4	61.2	61.9	63.0	63.8	66.0	67.9	68.9	69.7	72.1	74.0	76.1	76.9	78.3	78.7	80.1	82.8	82.5	84.3	85.8	87.0	87.6	2.1%
Natural Gas	822.5	868.2	889.2	885.1	903.0	915.2	932.5	951.6	979.8	1010.6	1037.6	1065.5	1098.1	1125.8	1137.9	1156.7	1174.8	1199.1	1224.8	1235.4	1266.9	1291.5	1310.0	1324.5	2.1%
Steam Coal	146.9	150.8	154.4	153.0	156.7	159.7	163.5	167.3	172.4	178.3	183.6	188.0	193.0	198.0	200.5	203.3	206.6	210.8	215.3	218.1	223.4	227.4	230.3	232.9	2.0%
Renewables	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	2.0%
Purchased Electricity	589.4	616.7	618.4	617.6	633.6	647.7	662.7	679.9	706.0	731.0	752.1	773.6	798.1	819.7	831.3	848.2	864.2	884.8	907.5	917.9	945.5	965.4	982.9	997.5	2.3%
Total	1613.6	1694.8	1721.4	1718.0	1756.3	1786.7	1823.6	1866.0	1927.3	1990.1	2044.3	2100.5	2164.6	2221.0	2248.0	2287.9	2325.7	2376.3	2431.9	2455.4	2521.6	2571.7	2611.9	2644.1	2.2%
Industry Output (billion 1987 dollars)	1382.2	1451.5	1443.2	1461.8	1510.4	1553.6	1604.3	1661.4	1736.3	1808.5	1875.0	1939.7	2014.1	2080.5	2116.6	2163.6	2209.5	2270.8	2339.8	2373.1	2450.8	2515.5	2569.3	2616.1	2.8%
Energy Consumption per Unit of Output (thousand Btu per 1987 dollar of output)	1.17	1.17	1.19	1.18	1.16	1.15	1.14	1.12	1.11	1.10	1.09	1.08	1.07	1.07	1.06	1.06	1.05	1.05	1.04	1.03	1.03	1.02	1.02	1.01	-0.6%

Table 32. Other Industrial Sector Energy Consumption (Trillion Btu)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Other Manufacturing Consumption																									
Residual Oil	57.0	64.8	64.4	71.0	70.9	71.7	72.3	76.2	77.5	76.8	76.3	78.3	79.2	81.0	81.5	83.9	83.3	84.6	87.4	85.6	86.7	87.5	88.4	88.4	1.9%
Distillate Oil	75.3	79.9	80.7	85.6	88.7	89.6	90.5	93.4	93.8	93.7	93.9	96.2	97.2	99.2	99.9	101.9	102.1	103.9	106.2	105.9	107.2	108.4	109.5	109.6	1.6%
Liquid Petroleum Gas	113.3	159.0	163.4	162.9	164.7	165.8	164.2	163.1	164.2	165.6	169.4	178.6	182.4	186.2	188.2	190.7	191.2	194.2	200.9	202.3	199.4	201.1	202.0	201.9	2.5%
Petroleum Subtotal	245.7	303.7	308.5	319.5	324.2	327.1	327.0	332.7	335.5	336.1	339.6	353.1	358.7	366.5	369.6	376.4	376.6	382.7	394.5	393.7	393.3	397.0	399.9	400.0	2.1%
Natural Gas	1615.1	1635.0	1678.0	1664.3	1687.7	1703.1	1718.7	1727.5	1757.0	1789.2	1819.7	1840.5	1870.3	1892.9	1907.3	1925.7	1945.6	1969.0	1988.6	2003.6	2017.8	2034.5	2048.5	2060.3	1.1%
Steam Coal	289.3	293.8	303.1	300.3	307.7	313.3	317.7	320.3	328.5	338.7	348.1	354.4	362.2	368.8	374.2	379.0	385.2	392.6	399.7	407.1	412.0	416.9	421.0	425.1	1.7%
Renewables	355.5	368.2	366.4	370.2	378.5	385.6	392.0	398.5	408.3	417.4	426.6	434.9	443.8	451.8	456.9	463.7	469.2	477.1	485.8	490.6	495.5	501.5	507.1	511.6	1.6%
Purchased Electricity	756.3	770.0	774.9	773.8	788.2	800.1	808.0	816.8	835.1	851.8	867.2	880.2	894.7	907.4	917.2	930.1	940.6	955.3	970.9	979.5	988.8	998.4	1007.6	1014.9	1.3%
Total	3262.0	3370.7	3430.7	3428.1	3486.3	3529.2	3563.3	3595.9	3664.4	3733.1	3801.2	3863.1	3929.8	3987.4	4025.3	4074.9	4117.2	4176.8	4239.5	4274.5	4307.4	4348.2	4384.1	4411.8	1.3%
Industry Output (billion 1987 dollars)	854.0	880.9	875.5	883.4	901.1	915.9	928.8	942.4	964.7	984.9	1005.3	1023.9	1043.8	1061.4	1073.0	1087.8	1100.0	1117.9	1137.2	1147.4	1158.2	1171.1	1182.9	1192.6	1.5%
Energy Consumption per Unit of Output (thousand Btu per 1987 dollar of output)	3.82	3.83	3.92	3.88	3.87	3.85	3.84	3.82	3.80	3.79	3.78	3.77	3.76	3.76	3.75	3.75	3.74	3.74	3.73	3.73	3.72	3.71	3.71	3.70	-0.1%

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 33. Transportation Sector Energy Use by Mode and Type (Trillion Btu)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Energy Use by Type																									
Motor Gasoline	15079	15407	15625	16078	16403	16691	16973	17215	17489	17746	17999	18222	18440	18664	18784	18890	19005	19130	19255	19361	19500	19623	19750	19873	1.2%
Distillate (diesel)	4638	4974	5039	5140	5258	5347	5433	5509	5605	5698	5783	5857	5937	6012	6069	6129	6182	6257	6337	6390	6448	6508	6566	6615	1.6%
Jet Fuel (kerosene & naptha)	3308	3280	3368	3795	3880	3992	4102	4231	4367	4521	4667	4833	4982	5124	5241	5368	5475	5609	5730	5862	5975	6111	6226	6337	2.9%
Residual Oil	748.0	606.0	721.0	742.9	765.6	788.0	813.9	839.6	868.2	897.6	927.6	957.6	988.7	1021	1049	1075	1101	1128	1159	1187	1215	1243	1272	1302	2.4%
Aviation Gasoline	42.9	42.8	42.7	42.6	42.5	42.4	42.3	42.3	42.3	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	42.1	-0.1%
Liquid Petroleum Gas	40.8	44.8	49.9	58.4	68.1	79.0	92.1	107.4	123.3	137.2	149.1	159.6	168.0	175.9	182.5	188.8	194.2	199.1	204.5	208.8	212.9	216.8	220.3	223.6	7.7%
Lubricants	244.4	254.7	256.9	261.4	265.7	267.9	270.5	273.1	276.9	281.4	286.0	290.5	295.0	299.4	302.5	305.3	307.2	309.7	312.5	314.4	316.5	318.5	320.3	321.6	1.2%
Oil Subtotal	24101	24609	25103	26118	26683	27207	27727	28217	28772	29323	29854	30362	30853	31338	31669	31999	32306	32675	33041	33366	33710	34062	34396	34713	1.6%
Methanol	1.2	6.7	10.5	18.5	24.5	31.3	37.9	44.9	51.0	55.6	61.0	67.3	72.3	77.4	79.9	84.5	88.5	91.6	95.4	98.6	101.2	104.1	106.2	108.7	21.8%
Ethanol	0.5	3.3	6.3	10.0	13.9	17.8	21.8	25.9	30.1	34.4	38.8	43.2	47.1	51.1	54.4	57.3	60.2	62.8	65.3	67.5	69.5	71.3	72.9	74.3	24.0%
Electricity	59.0	59.8	60.6	62.0	63.3	64.7	79.0	92.1	104.2	114.8	124.0	132.9	142.1	151.1	159.3	166.3	173.2	180.4	187.6	194.7	201.9	208.8	215.7	222.4	5.9%
Compressed Natural Gas	14.2	24.2	38.5	60.1	86.6	112.4	137.0	159.9	180.9	198.6	214.2	229.6	244.4	258.6	270.5	281.5	291.5	301.1	310.3	318.0	325.5	332.4	338.8	344.4	14.9%
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	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	N/A
Pipeline Fuel Natural Gas	733.0	727.4	732.5	739.9	762.4	779.6	802.4	816.2	838.3	851.9	865.7	875.6	885.0	899.2	909.1	924.1	934.1	952.7	965.1	978.3	991.2	1001	1006	1010	1.4%
Total Consumption	24909	25431	25951	27008	27634	28213	28805	29356	29977	30579	31157	31710	32244	32775	33143	33512	33854	34264	34664	35023	35399	35780	36136	36473	1.7%

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.

N/A = Not applicable.

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

Sources: 1997 compressed natural gas volumes: Energy Information Administration (EIA), AEO99 National Energy Modeling System run AEO99B.D100198A. Other 1997 values derived using: EIA, Short-Term Energy Outlook, August 1998, Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/sep98/index.html> (October 15, 1998); EIA, Fuel Oil and Kerosene Sales 1996, DOE/EIA-0535(96) (Washington, D.C., September 1997); EIA, State Energy Data Report 1995, DOE/EIA-0214(95) (Washington, DC, December 1997); Oak Ridge National Laboratory, Transportation Energy Book: 12, 13, 14, 15, 16, and 17, (August 1997); Department of Defense, Defense Fuel Supply Center; and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 34. Transportation Sector Energy Use by Fuel Type Within a Mode (Trillion Btu per Year)																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Bus Transportation																										
Transit Bus (motor gasoline)	4.19	4.22	4.26	4.27	4.28	4.29	4.30	4.30	4.30	4.30	4.29	4.30	4.30	4.30	4.31	4.31	4.32	4.33	4.33	4.34	4.35	4.36	4.37	4.37	0.2%	
Transit Bus (diesel)	71.95	72.34	72.29	72.51	72.65	72.77	72.93	72.95	72.93	72.87	72.87	72.86	72.89	72.97	73.01	73.07	73.17	73.30	73.40	73.53	73.69	73.81	73.94	74.07	74.07	0.1%
Intercity Bus (diesel)	22.10	22.22	22.20	22.27	22.32	22.35	22.40	22.41	22.40	22.38	22.38	22.38	22.39	22.41	22.43	22.45	22.48	22.52	22.55	22.59	22.64	22.67	22.71	22.75	22.75	0.1%
School Bus (motor gasoline)	4.94	4.97	5.02	5.03	5.04	5.05	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.06	5.07	5.07	5.08	5.09	5.09	5.10	5.11	5.12	5.13	5.14	5.14	0.2%
School Bus (diesel)	84.69	85.16	85.09	85.35	85.51	85.66	85.84	85.87	85.85	85.78	85.77	85.76	85.80	85.89	85.95	86.02	86.13	86.28	86.40	86.56	86.75	86.88	87.04	87.19	87.19	0.1%
Total	187.9	188.9	188.9	189.4	189.8	190.1	190.5	190.6	190.6	190.4	190.4	190.3	190.4	190.6	190.8	190.9	191.2	191.5	191.8	192.1	192.5	192.8	193.2	193.5	193.5	0.1%
Rail Transportation																										
Intercity Rail (electricity)	7.94	8.01	8.06	8.16	8.27	8.38	8.49	8.59	8.69	8.79	8.89	8.99	9.09	9.19	9.29	9.38	9.47	9.57	9.67	9.76	9.86	9.95	10.05	10.15	10.15	1.1%
Intercity Rail (diesel)	12.08	12.30	12.41	12.57	12.74	12.90	13.07	13.22	13.38	13.54	13.69	13.85	14.00	14.16	14.30	14.44	14.59	14.74	14.88	15.03	15.18	15.33	15.48	15.63	15.63	1.1%
Transit Rail (electricity)	45.25	45.62	45.92	46.53	47.13	47.74	48.36	48.93	49.53	50.10	50.68	51.24	51.81	52.39	52.92	53.44	53.98	54.54	55.08	55.62	56.18	56.72	57.28	57.83	57.83	1.1%
Commuter Rail (electricity)	5.51	5.56	5.59	5.67	5.74	5.81	5.89	5.96	6.03	6.10	6.17	6.24	6.31	6.38	6.44	6.51	6.57	6.64	6.71	6.77	6.84	6.91	6.98	7.04	7.04	1.1%
Commuter Rail (diesel)	8.38	8.54	8.61	8.73	8.84	8.95	9.07	9.18	9.29	9.40	9.50	9.61	9.72	9.83	9.92	10.02	10.12	10.23	10.33	10.43	10.54	10.64	10.74	10.85	10.85	1.1%
Total	79.17	80.02	80.59	81.65	82.72	83.78	84.87	85.87	86.92	87.92	88.94	89.93	90.93	91.95	92.87	93.79	94.74	95.72	96.67	97.61	98.60	99.55	100.5	101.5	101.5	1.1%
Recreation Boats																										
Recreation Boats	245.9	251.1	256.2	258.3	260.1	261.8	264.0	265.9	268.1	270.2	272.5	274.7	276.8	279.3	281.2	283.2	285.2	287.2	289.3	291.2	293.4	295.4	297.4	299.3	299.3	0.9%
Lubricants	244.4	254.7	256.9	261.4	265.7	267.9	270.5	273.1	276.9	281.4	286.0	290.5	295.0	299.4	302.5	305.3	307.2	309.7	312.5	314.4	316.5	318.5	320.3	321.6	321.6	1.2%
Pipeline Fuel Natural Gas	733.0	727.4	732.5	739.9	762.4	779.6	802.4	816.2	838.3	851.9	865.7	875.6	885.0	899.2	909.1	924.1	934.1	952.7	965.1	978.3	991.2	1001	1006	1010	1010	1.4%
Total Miscellaneous																										
Total Miscellaneous	2122	2105	2111	2114	2132	2142	2173	2202	2240	2270	2300	2326	2352	2378	2395	2417	2432	2455	2473	2489	2505	2518	2526	2531	2531	0.8%
Total Consumption	24909	25431	25951	27008	27634	28213	28805	29356	29977	30579	31157	31710	32244	32775	33143	33512	33854	34264	34664	35023	35399	35780	36136	36473	1.7%	

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: 1997 compressed natural gas volumes: Energy Information Administration (EIA), AEO99 National Energy Modeling System run AEO99B.D100198A. Other 1997 values derived using: EIA, Short-Term Energy Outlook, August 1998, Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/sep98/index.html> (October 15, 1998); EIA, Fuel Oil and Kerosene Sales 1996, DOE/EIA-0535(96) (Washington, D.C., September 1997); EIA, State Energy Data Report 1995, DOE/EIA-0214(95) (Washington, DC, December 1997); Oak Ridge National Laboratory, Transportation Energy Book: 12, 13, 14, 15, 16, and 17, (August 1997); Department of Defense, Defense Fuel Supply Center; and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 35. Light-Duty Vehicle Energy Consumption by Technology Type and Fuel Type (Trillion Btu)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Light-Duty Consumption by Technology Type																									
Conventional Vehicles 1/																									
Gasoline ICE Vehicles	13889	14186	14386	14827	15135	15403	15664	15886	16135	16367	16596	16800	16998	17205	17314	17411	17519	17635	17751	17852	17982	18099	18219	18337	1.2%
TDI Diesel ICE	7.43	7.07	6.68	6.61	6.66	6.93	7.96	9.70	12.48	16.04	21.06	27.85	36.45	46.89	58.33	70.68	83.71	97.02	110.3	123.2	135.9	147.9	159.2	170.0	14.6%
Alternative-Fuel Vehicles																									
Alcohol Fuel Technology																									
Methanol-Flex Fuel ICE	2.39	14.02	27.10	42.57	58.86	75.11	90.45	105.0	118.8	131.2	142.4	152.3	161.0	168.7	174.2	179.1	183.3	186.9	190.0	192.6	195.2	197.4	199.4	201.2	21.3%
Methanol ICE	0.01	0.09	0.22	0.44	0.76	1.25	1.94	2.90	4.17	5.73	7.58	9.68	11.97	14.42	16.82	19.24	21.66	24.09	26.49	28.73	30.88	32.89	34.78	36.53	46.4%
Ethanol-Flex Fuel ICE	1.76	11.86	23.26	36.18	49.61	62.93	75.69	88.02	100.2	112.1	123.4	133.4	142.0	149.6	155.2	159.7	163.4	166.6	169.1	171.1	172.9	174.2	175.3	176.2	22.2%
Ethanol Ice	0.00	0.07	0.18	0.36	0.63	1.03	1.59	2.36	3.38	4.62	6.08	7.73	9.51	11.41	13.28	15.14	16.99	18.85	20.68	22.37	23.98	25.45	26.82	28.06	46.2%
Total Alcohol	4.16	26.04	50.77	79.55	109.9	140.3	169.7	198.3	226.6	253.7	279.5	303.1	324.5	344.2	359.5	373.1	385.4	396.5	406.3	414.7	423.0	430.0	436.3	441.9	22.5%
Natural Gas Technology																									
CNG ICE	11.64	19.94	32.36	51.56	75.29	98.00	119.2	138.5	155.2	168.3	179.1	189.4	199.2	208.4	216.0	222.8	229.0	234.8	240.6	245.6	250.6	255.3	259.7	263.7	14.5%
CNG Bi-fuel	0.53	3.77	7.63	12.17	17.00	21.91	26.72	31.34	35.79	39.89	43.64	46.96	49.97	52.65	54.65	56.30	57.73	58.93	59.90	60.65	61.38	61.93	62.39	62.74	23.1%
LPG ICE	20.84	24.21	28.83	36.29	45.16	55.00	67.07	81.15	95.72	108.2	118.7	127.4	134.7	141.5	147.4	152.7	157.7	162.3	166.9	171.1	175.2	178.9	182.4	185.5	10.0%
LPG Bi-fuel	0.38	3.12	6.30	10.01	13.92	17.83	21.57	25.10	28.45	31.46	34.14	36.45	38.41	40.07	41.16	41.97	42.59	43.02	43.26	43.34	43.38	43.30	43.14	42.91	22.8%
Total Natural Gas Technology	33.39	51.04	75.12	110.0	151.4	192.7	234.6	276.1	315.2	347.8	375.6	400.2	422.2	442.7	459.2	473.8	486.9	499.1	510.7	520.7	530.5	539.4	547.7	554.9	13.0%
Electric Technology																									
Electric Vehicle	0.29	0.62	1.05	1.60	2.20	2.79	16.28	28.67	39.94	49.81	58.22	66.44	74.92	83.13	90.66	96.95	103.2	109.7	116.1	122.5	129.0	135.2	141.4	147.4	31.2%
Electric-Diesel Hybrid	0.00	0.02	0.06	0.10	0.18	0.28	0.80	1.53	2.49	3.68	5.06	6.58	8.17	9.81	11.34	12.81	14.20	15.48	16.63	17.61	18.47	19.18	19.74	20.19	51.2%
Total Electricity	0.29	0.64	1.10	1.71	2.38	3.07	17.08	30.20	42.43	53.49	63.27	73.02	83.09	92.94	102.0	109.8	117.4	125.1	132.8	140.1	147.5	154.4	161.1	167.6	31.9%
Fuel Cell Technology																									
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.08	0.15	0.26	0.42	0.62	0.89	1.20	1.55	1.96	2.40	2.89	3.40	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	0.01	0.01	0.03	0.06	0.10	0.16	0.24	0.34	0.46	0.61	0.76	0.93	1.10	1.28	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	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.10	N/A
Total Fuel Cell	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.06	0.12	0.22	0.38	0.60	0.90	1.27	1.72	2.23	2.79	3.42	4.08	4.78	N/A
Light-Duty Consumption by Fuel Type 1/																									
Motor Gasoline	13902	14216	14438	14897	15227	15518	15799	16040	16309	16560	16805	17022	17233	17449	17566	17668	17779	17898	18016	18117	18249	18367	18487	18604	1.3%
Distillate (diesel)	7.43	7.07	6.68	6.61	6.66	6.93	7.96	9.70	12.48	16.04	21.06	27.85	36.45	46.89	58.33	70.68	83.71	97.02	110.3	123.2	135.9	147.9	159.2	170.0	14.6%
Methanol	1.17	6.73	10.47	18.49	24.48	31.35	37.91	44.86	51.04	55.60	60.98	67.27	72.28	77.38	79.94	84.49	88.54	91.57	95.36	98.64	101.2	104.1	106.2	108.7	21.8%
Ethanol	0.53	3.26	6.35	10.01	13.91	17.84	21.79	25.86	30.10	34.43	38.78	43.21	47.10	51.13	54.41	57.32	60.16	62.84	65.29	67.47	69.49	71.30	72.88	74.32	24.0%
Compressed Natural Gas	11.91	21.83	36.14	57.58	83.70	108.8	132.5	154.0	172.9	188.0	200.7	212.6	223.9	234.4	243.0	250.6	257.5	263.9	270.1	275.6	280.9	285.8	290.5	294.7	15.0%
Liquid Petroleum Gas	20.97	25.13	30.68	39.32	49.41	60.50	73.76	88.94	104.5	118.0	129.4	139.4	147.2	154.6	160.9	166.8	171.9	176.4	181.4	185.5	189.3	193.0	196.4	199.5	10.3%
Electricity	0.29	0.62	1.05	1.60	2.20	2.79	16.28	28.67	39.94	49.81	58.22	66.44	74.92	83.13	90.66	96.95	103.2	109.7	116.1	122.5	129.0	135.2	141.4	147.4	31.2%
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	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.10	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, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 36. Light-Duty Vehicle Sales by Technology Type (Thousands)																										
01 - New England																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020	
New Car Sales 1/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	389.0	372.3	366.3	361.0	347.4	338.5	316.8	314.6	316.1	317.2	318.6	320.4	321.5	324.6	322.3	319.6	317.4	319.8	323.2	320.5	318.3	316.9	316.4	313.6	-0.9%	
TDI Diesel ICE	0.1	0.0	0.1	0.1	0.1	0.2	0.3	0.5	0.9	1.2	1.8	2.6	3.4	4.2	4.9	5.4	5.9	6.2	6.5	6.7	6.7	6.8	7.0	7.1	18.4%	
Total Conventional	389.2	372.3	366.4	361.1	347.6	338.7	317.1	315.1	316.9	318.5	320.5	322.9	324.8	328.8	327.2	325.0	323.3	326.1	329.7	327.2	325.1	323.7	323.4	320.7	-0.8%	
Alternative-Fuel Vehicles																										
Methanol-Flex Fuel ICE	0.1	4.8	5.5	5.9	6.0	5.9	5.5	5.3	5.2	5.0	4.8	4.8	4.6	4.6	4.4	4.3	4.2	4.1	4.1	4.1	4.0	4.0	4.0	3.9	16.8%	
Methanol ICE	0.1	0.3	0.4	0.7	1.0	1.0	1.1	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.0	12.2%	
Ethanol-Flex Fuel ICE	0.1	4.0	4.5	4.7	4.8	4.6	4.3	4.1	4.0	3.8	3.6	3.6	3.5	3.4	3.3	3.1	3.0	3.0	2.9	2.9	2.8	2.8	2.7	2.7	16.8%	
Ethanol Ice	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.6	0.6	0.7	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	18.2%	
Electric Vehicle	0.0	0.2	0.2	0.3	0.3	0.3	23.7	24.5	25.5	26.2	26.9	27.3	27.6	28.1	28.2	28.2	28.2	28.7	29.2	29.2	29.3	29.4	29.6	29.6	36.3%	
Electric-Diesel Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	41.8%	
CNG ICE	0.8	2.4	3.3	4.4	5.1	5.1	5.1	5.2	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.3	5.3	5.4	5.4	5.4	5.3	5.3	5.3	5.2	8.8%	
CNG Bi-fuel	0.0	1.9	2.3	2.7	2.8	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.6	2.6	2.5	2.4	2.3	2.2	2.2	2.1	2.1	2.0	2.0	1.9	17.5%	
LPG ICE	0.5	1.9	2.2	2.5	2.7	3.2	3.9	4.6	5.0	5.0	5.0	5.0	5.1	5.1	5.1	5.0	5.0	5.0	5.1	5.0	4.9	4.9	4.8	4.8	10.0%	
LPG Bi-fuel	0.0	1.6	1.8	1.9	2.0	2.0	1.9	1.9	1.8	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.0	17.0%	
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	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.7	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	0.0	0.0	0.0	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	1.7	17.1	20.4	23.3	24.9	25.3	49.1	50.6	51.9	52.5	53.1	53.6	53.9	54.4	53.9	53.5	53.2	53.6	54.3	54.0	53.7	53.5	53.6	53.3	16.1%	
Percent Alternative Car Sales	0.44	4.39	5.29	6.06	6.68	6.96	13.41	13.85	14.07	14.15	14.21	14.23	14.23	14.20	14.15	14.14	14.14	14.13	14.14	14.16	14.17	14.19	14.22	14.25	16.3%	
Total New Car Sales	390.9	389.4	386.8	384.4	372.5	364.0	366.2	365.8	368.8	371.0	373.5	376.5	378.7	383.2	381.1	378.5	376.5	379.7	384.0	381.2	378.7	377.3	377.1	374.0	-0.2%	
New Light-Truck Sales 2/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	292.8	284.1	287.2	290.3	283.9	280.5	282.9	286.2	291.2	294.6	297.8	300.8	303.3	306.5	303.3	301.0	298.3	300.0	302.5	300.6	299.3	298.6	298.9	296.8	0.1%	
TDI Diesel ICE	0.1	0.0	0.1	0.1	0.2	0.3	0.4	0.7	1.1	1.3	1.9	2.6	3.5	4.3	4.9	5.3	5.6	5.8	6.0	6.0	5.9	5.8	5.9	5.9	19.2%	
Total Conventional	292.9	284.2	287.3	290.4	284.1	280.7	283.3	286.9	292.3	295.8	299.7	303.4	306.8	310.8	308.2	306.3	303.9	305.8	308.4	306.6	305.2	304.5	304.8	302.7	0.1%	
Alternative-Fuel Vehicles																										
Methanol-Flex Fuel ICE	0.1	3.9	4.4	4.9	5.1	5.3	5.2	5.2	5.1	5.1	5.0	5.0	5.0	5.0	4.9	5.0	4.8	4.8	4.7	4.7	4.6	4.5	4.5	4.4	18.6%	
Methanol Ice	0.2	0.3	0.5	0.8	1.1	1.1	1.2	1.2	1.3	1.4	1.5	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	10.1%
Ethanol-Flex Fuel ICE	0.1	3.6	4.2	4.5	4.7	4.7	4.6	4.5	4.5	4.3	4.2	4.2	4.2	4.1	4.0	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.2	3.1	17.7%	
Ethanol ICE	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	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	15.4%
Electric Vehicle	0.0	0.0	0.1	0.1	0.1	0.1	3.9	3.2	2.7	2.2	1.9	1.8	1.8	1.8	1.7	1.6	1.4	1.4	1.3	1.1	1.0	0.8	0.7	0.6	20.0%	
Electric-Diesel Hybrid	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.7	0.8	1.0	1.1	1.2	1.3	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0	46.7%	
CNG ICE	0.6	1.3	1.9	2.8	3.6	3.6	3.7	3.8	3.8	3.9	3.9	3.9	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8	8.6%	
CNG Bi-fuel	0.0	0.7	0.8	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.6	16.0%	
LPG ICE	0.4	0.8	1.0	1.3	1.5	1.5	1.8	2.0	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	7.6%	
LPG Bi-fuel	0.0	0.7	0.8	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	16.3%	
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	N/A	
Total Alternatives	1.4	11.3	13.8	16.5	18.4	18.7	23.0	22.8	22.7	22.4	22.2	22.4	22.5	22.6	22.0	21.7	21.1	20.9	20.7	20.2	19.7	19.2	18.8	18.3	12.0%	

Table 36. Light-Duty Vehicle Sales by Technology Type (Thousands)																									
01 - New England																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Percent Alternative Light-Truck Sales	0.46	3.82	4.58	5.38	6.09	6.23	7.52	7.38	7.22	7.04	6.89	6.87	6.82	6.77	6.66	6.62	6.50	6.39	6.28	6.19	6.06	5.93	5.81	5.70	11.5%
Total New Truck Sales	294.2	295.4	301.1	306.9	302.5	299.4	306.3	309.7	315.0	318.2	321.9	325.8	329.3	333.3	330.2	328.0	325.1	326.7	329.1	326.8	324.8	323.7	323.6	321.0	0.4%
Percent Total Alternative Sales	0.45	4.14	4.98	5.76	6.41	6.63	10.72	10.88	10.92	10.87	10.82	10.82	10.78	10.74	10.67	10.64	10.60	10.55	10.51	10.48	10.42	10.38	10.33	10.30	14.6%
EPACT Legislative Alternative Sales	2.03	3.98	6.21	9.46	11.88	12.80	14.11	15.28	16.02	16.12	16.24	16.38	16.49	16.68	16.55	16.42	16.30	16.41	16.55	16.42	16.32	16.25	16.23	16.09	9.4%
ZEVP Legislative Alternernative Sales	0.00	0.00	0.00	0.00	0.00	0.00	27.37	27.52	27.93	28.22	28.55	28.92	29.25	29.72	29.64	29.55	29.48	29.82	30.23	30.12	30.05	30.05	30.15	30.02	N/A
Total Vehicles Sales	685.1	684.8	687.9	691.4	674.9	663.4	672.5	675.5	683.9	689.2	695.4	702.3	708.0	716.6	711.3	706.5	701.6	706.4	713.1	707.9	703.5	700.9	700.7	695.0	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.

Altern. = Alternative

N/A = Not applicable.

Sources: 1997 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; US Department of Energy, Argonne National Laboratory, National Alternative-Fuel Survey, Model Version 28, July 21, 1998; Energy Information Administration (EIA), Describing Current and Potential Markets Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1996, DOE/EIA-0585(96) (Washington, DC, December 1997); and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 37. Light-Duty Vehicle Sales by Technology Type (Thousands)																										
02 - Middle Atlantic																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020	
New Car Sales 1/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	1122	1067	1043	1021	978.5	949.4	890.4	882.5	884.8	885.8	887.6	890.0	890.6	896.8	888.1	878.5	870.2	874.4	881.0	871.3	863.0	856.7	853.0	843.0	-1.2%	
TDI Diesel ICE	0.4	0.1	0.2	0.2	0.4	0.6	0.9	1.5	2.3	3.4	4.9	6.9	9.0	11.2	12.9	14.3	15.5	16.4	17.0	17.3	17.4	17.6	18.0	18.2	17.8%	
Total Conventional	1123	1067	1043	1022	978.9	950.0	891.4	884.0	887.1	889.2	892.5	896.9	899.6	908.0	901.0	892.8	885.7	890.8	898.0	888.6	880.4	874.3	871.0	861.2	-1.1%	
Alternative-Fuel Vehicles																										
Methanol-Flex Fuel ICE	0.3	13.4	15.1	16.3	16.5	16.1	15.0	14.3	13.7	13.2	12.6	12.3	11.9	11.6	11.1	10.6	10.2	10.0	9.8	9.7	9.5	9.4	9.4	9.3	15.9%	
Methanol ICE	0.4	0.9	1.3	2.1	2.8	3.1	3.6	4.1	4.7	5.4	6.0	6.6	7.1	7.6	7.9	8.0	8.3	8.5	8.8	8.7	8.5	8.4	8.4	8.4	8.2	13.9%
Ethanol-Flex Fuel ICE	0.2	11.1	12.4	13.2	13.3	12.8	11.8	11.2	10.7	10.1	9.6	9.3	9.0	8.7	8.3	7.8	7.5	7.3	7.1	6.9	6.8	6.6	6.5	6.4	15.9%	
Ethanol Ice	0.0	0.2	0.3	0.5	0.7	0.9	1.1	1.3	1.7	1.9	2.2	2.4	2.6	2.7	2.8	2.8	2.7	2.8	2.8	2.7	2.6	2.6	2.5	2.4	18.5%	
Electric Vehicle	0.1	0.5	0.6	0.7	0.8	0.8	62.0	64.0	66.3	68.1	69.9	71.0	71.9	73.1	73.2	73.3	73.4	74.5	75.8	75.9	76.1	76.4	76.9	76.9	35.6%	
Electric-Diesel Hybrid	0.0	0.0	0.1	0.1	0.1	0.1	0.7	0.9	1.2	1.3	1.5	1.6	1.6	1.6	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	40.3%	
CNG ICE	2.2	7.2	9.7	12.9	14.7	14.6	14.7	14.9	15.1	15.0	15.1	15.2	15.2	15.3	15.2	15.0	14.9	15.1	15.2	15.0	14.8	14.7	14.6	14.4	8.6%	
CNG Bi-fuel	0.1	5.6	6.7	7.6	8.1	8.2	8.0	7.9	7.7	7.5	7.2	7.0	7.0	6.8	6.4	6.1	5.8	5.6	5.5	5.3	5.1	4.9	4.8	4.7	16.4%	
LPG ICE	1.5	5.2	6.3	7.3	7.8	9.1	11.1	13.1	14.1	14.0	14.1	14.1	14.1	14.2	14.0	14.0	13.8	13.8	14.0	13.8	13.5	13.4	13.2	13.0	9.8%	
LPG Bi-fuel	0.1	4.2	4.9	5.4	5.6	5.5	5.2	5.0	4.8	4.5	4.3	4.2	4.0	3.8	3.6	3.4	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	16.3%	
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	0.1	0.1	0.3	0.4	0.5	0.7	0.9	1.0	1.2	1.3	1.4	1.6	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	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.7	0.7	0.8	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	0.0	0.0	0.0	N/A	
Total Alternatives	5.0	48.3	57.4	66.2	70.3	71.2	133.1	136.8	139.9	141.2	142.5	143.8	144.5	145.8	144.4	143.1	142.3	143.4	145.0	143.9	142.9	142.3	142.3	141.2	15.6%	
Percent Alternative Car Sales	0.44	4.33	5.22	6.08	6.70	6.97	12.99	13.40	13.63	13.70	13.77	13.82	13.84	13.84	13.81	13.82	13.84	13.87	13.90	13.94	13.96	14.00	14.04	14.08	16.2%	
Total New Car Sales	1128	1115	1101	1088	1049	1021	1024	1021	1027	1030	1035	1041	1044	1054	1045	1036	1028	1034	1043	1033	1023	1017	1013	1002	-0.5%	
New Light-Truck Sales 2/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	844.7	814.3	817.9	821.5	799.7	786.8	792.6	800.0	812.0	819.1	826.0	832.2	837.1	843.7	833.1	824.8	815.4	817.9	822.5	815.2	809.5	805.5	804.2	796.4	-0.3%	
TDI Diesel ICE	0.3	0.1	0.2	0.3	0.4	0.7	1.1	1.8	2.9	3.4	5.0	7.1	9.3	11.4	13.0	14.1	14.8	15.3	15.6	15.5	15.2	15.1	15.0	15.0	18.5%	
Total Conventional	845.0	814.3	818.0	821.8	800.1	787.5	793.7	801.8	814.8	822.5	831.0	839.3	846.3	855.1	846.1	838.9	830.3	833.3	838.1	830.7	824.7	820.5	819.2	811.4	-0.2%	
Alternative-Fuel Vehicles																										
Methanol-Flex Fuel ICE	0.2	10.8	12.3	13.8	14.4	14.7	14.4	14.3	14.1	13.8	13.6	13.5	13.4	13.3	12.9	13.0	12.7	12.4	12.3	12.2	11.9	11.7	11.4	11.2	18.0%	
Methanol Ice	0.5	0.8	1.3	2.2	3.1	3.2	3.4	3.6	4.0	4.3	4.5	4.8	5.1	5.3	5.4	5.4	5.5	5.6	5.7	5.7	5.6	5.5	5.5	5.4	10.9%	
Ethanol-Flex Fuel ICE	0.2	10.0	11.6	12.8	13.3	13.3	12.8	12.6	12.3	11.9	11.6	11.5	11.2	11.1	10.6	10.2	9.8	9.5	9.3	9.0	8.7	8.4	8.2	7.9	17.1%	
Ethanol ICE	0.1	0.1	0.2	0.4	0.6	0.6	0.8	0.9	1.1	1.3	1.4	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.8	1.8	1.8	15.4%	
Electric Vehicle	0.0	0.1	0.2	0.2	0.2	0.2	9.5	7.8	6.6	5.6	4.7	4.6	4.6	4.5	4.2	3.9	3.6	3.3	3.1	2.7	2.4	2.1	1.8	1.5	19.1%	
Electric-Diesel Hybrid	0.0	0.0	0.1	0.1	0.1	0.2	0.9	1.3	1.8	2.2	2.6	2.9	3.2	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.7	2.6	2.5	2.5	45.7%	
CNG ICE	1.6	3.7	5.4	8.2	10.4	10.2	10.5	10.6	10.8	10.8	10.9	11.0	11.1	11.2	11.0	10.9	10.8	10.8	10.9	10.7	10.6	10.5	10.4	10.3	8.3%	
CNG Bi-fuel	0.1	1.9	2.3	2.7	2.9	2.9	3.0	2.9	2.9	2.8	2.8	2.7	2.6	2.5	2.4	2.3	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.5	14.9%	
LPG ICE	1.1	2.3	2.9	3.8	4.4	4.3	5.0	5.8	6.2	6.2	6.2	6.3	6.3	6.4	6.3	6.2	6.1	6.1	6.2	6.1	6.0	5.9	5.9	5.8	7.4%	
LPG Bi-fuel	0.0	1.9	2.3	2.6	2.8	2.8	2.8	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.2	15.4%	
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	N/A	
Total Alternatives	3.9	31.8	38.6	46.8	51.9	52.4	63.1	62.7	62.4	61.5	60.8	61.2	61.3	61.4	59.9	58.9	57.3	56.5	55.9	54.6	53.0	51.6	50.4	49.0	11.6%	

Table 37. Light-Duty Vehicle Sales by Technology Type (Thousands)																									
02 - Middle Atlantic																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Percent Alternative Light-Truck Sales	0.46	3.75	4.51	5.39	6.10	6.24	7.36	7.25	7.11	6.95	6.82	6.80	6.76	6.70	6.61	6.56	6.46	6.36	6.26	6.16	6.04	5.92	5.80	5.70	11.5%
Total New Truck Sales	848.9	846.1	856.7	868.5	852.0	839.9	856.8	864.5	877.2	884.0	891.8	900.5	907.7	916.6	905.9	897.8	887.6	889.8	894.0	885.2	877.7	872.2	869.6	860.4	0.1%
Percent Total Alternative Sales	0.45	4.08	4.91	5.77	6.43	6.64	10.43	10.58	10.63	10.59	10.55	10.56	10.54	10.52	10.47	10.45	10.42	10.39	10.37	10.35	10.30	10.27	10.23	10.21	14.5%
EPACT Legislative Alternative Sales	5.84	11.41	17.68	26.76	33.45	35.92	39.46	42.65	44.61	44.77	44.99	45.26	45.47	45.87	45.40	44.95	44.50	44.69	44.97	44.49	44.08	43.78	43.63	43.13	9.1%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	0.00	70.93	71.35	72.41	73.17	74.04	75.00	75.87	77.08	76.87	76.64	76.44	77.32	78.37	78.09	77.91	77.91	78.18	77.84	N/A
Total Vehicles Sales	1977	1961	1957	1956	1901	1861	1881	1885	1904	1914	1927	1941	1952	1970	1951	1934	1916	1924	1937	1918	1901	1889	1883	1863	-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.

Altern. = Alternative

N/A = Not applicable.

Sources: 1997 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; US Department of Energy, Argonne National Laboratory, National Alternative-Fuel Survey, Model Version 28, July 21, 1998; Energy Information Administration (EIA), Describing Current and Potential Markets Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1996, DOE/EIA-0585(96) (Washington, DC, December 1997); and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 38. Light-Duty Vehicle Sales by Technology Type (Thousands)																									
03 - East North Central																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
New Car Sales 1/																									
Conventional Vehicles																									
Gasoline ICE Vehicles	1278	1216	1191	1167	1119	1087	1090	1084	1090	1095	1101	1106	1110	1119	1111	1101	1093	1100	1111	1100	1091	1085	1082	1070	-0.8%
TDI Diesel ICE	0.5	0.1	0.2	0.3	0.4	0.7	1.1	1.7	2.7	3.9	5.8	8.1	10.6	13.3	15.3	17.1	18.6	19.6	20.6	20.9	21.2	21.5	21.9	22.1	18.1%
Total Conventional	1278	1216	1191	1167	1120	1088	1091	1086	1093	1099	1107	1115	1120	1133	1127	1118	1112	1120	1131	1121	1113	1106	1104	1093	-0.7%
Alternative-Fuel Vehicles																									
Methanol-Flex Fuel ICE	0.4	15.2	17.1	18.9	18.8	18.5	17.2	16.6	16.0	15.3	14.7	14.4	14.0	13.7	13.0	12.5	12.2	11.9	11.7	11.5	11.4	11.3	11.2	11.1	16.1%
Methanol ICE	0.5	0.9	1.4	2.3	3.1	3.4	3.7	4.2	4.8	5.2	5.7	6.1	6.4	6.7	6.7	6.8	6.8	7.0	7.2	7.1	7.0	6.9	6.9	6.8	12.3%
Ethanol-Flex Fuel ICE	0.2	12.6	14.1	15.6	15.8	15.4	14.2	13.6	13.1	12.6	12.1	11.8	11.4	11.2	10.7	10.2	9.8	9.6	9.4	9.3	9.1	9.0	8.9	8.8	16.8%
Ethanol Ice	0.1	0.2	0.3	0.6	0.8	1.0	1.3	1.7	2.1	2.5	2.9	3.2	3.4	3.7	3.7	3.8	3.8	3.9	4.0	3.9	3.8	3.8	3.7	3.6	20.0%
Electric Vehicle	0.1	0.7	0.8	1.0	1.0	1.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.1	12.1%
Electric-Diesel Hybrid	0.0	0.0	0.1	0.1	0.1	0.2	0.9	1.1	1.4	1.6	1.8	1.9	1.9	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.5	1.4	1.3	41.0%
CNG ICE	2.5	8.1	11.0	14.6	16.7	16.6	16.7	17.0	17.2	17.2	17.3	17.4	17.5	17.7	17.6	17.5	17.4	17.6	17.9	17.6	17.5	17.3	17.3	17.1	8.7%
CNG Bi-fuel	0.2	6.2	7.5	8.5	9.0	9.2	9.0	8.9	8.7	8.5	8.3	8.1	8.2	7.9	7.5	7.2	6.9	6.7	6.6	6.4	6.2	6.1	5.9	5.8	16.8%
LPG ICE	1.7	5.8	7.0	8.5	9.1	10.6	12.8	15.2	16.4	16.3	16.4	16.5	16.5	16.7	16.5	16.4	16.3	16.4	16.6	16.3	16.0	15.9	15.7	15.5	10.0%
LPG Bi-fuel	0.1	4.7	5.5	6.3	6.5	6.5	6.1	5.9	5.7	5.4	5.2	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.7	3.6	3.4	3.3	3.2	3.1	16.8%
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	0.1	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.6	1.8	1.9	2.0	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	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.5	0.5	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	0.0	0.0	0.0	N/A
Total Alternatives	5.7	54.5	64.9	76.3	80.9	82.1	83.9	86.0	87.1	86.5	86.1	86.4	86.1	86.3	84.2	82.9	81.7	81.6	81.9	80.6	79.4	78.5	77.8	76.7	12.0%
Percent Alternative Car Sales	0.44	4.29	5.17	6.14	6.74	7.02	7.14	7.34	7.39	7.29	7.22	7.19	7.14	7.08	6.95	6.90	6.85	6.79	6.75	6.70	6.66	6.63	6.59	6.56	12.4%
Total New Car Sales	1284	1271	1256	1244	1201	1170	1175	1172	1180	1186	1193	1201	1206	1219	1211	1201	1193	1202	1213	1202	1192	1185	1182	1169	-0.4%
New Light-Truck Sales 2/																									
Conventional Vehicles																									
Gasoline ICE Vehicles	961.8	927.9	933.5	938.3	914.4	900.5	918.4	925.8	939.2	947.8	956.2	964.4	971.2	979.9	968.7	959.7	949.3	953.0	958.9	950.8	944.1	939.6	938.3	929.1	-0.2%
TDI Diesel ICE	0.3	0.1	0.2	0.3	0.5	0.8	1.3	2.1	3.4	4.0	5.9	8.3	10.9	13.5	15.4	16.9	17.9	18.4	18.8	18.7	18.6	18.4	18.3	18.3	18.9%
Total Conventional	962.2	928.0	933.7	938.6	914.9	901.3	919.7	927.9	942.6	951.9	962.1	972.7	982.1	993.4	984.1	976.5	967.1	971.4	977.7	969.5	962.7	958.0	956.6	947.4	-0.1%
Alternative-Fuel Vehicles																									
Methanol-Flex Fuel ICE	0.3	12.3	14.0	16.1	16.4	16.8	16.6	16.4	16.2	15.8	15.6	15.5	15.4	15.4	14.8	15.0	14.6	14.3	14.2	14.1	13.8	13.5	13.2	12.9	18.0%
Methanol Ice	0.6	0.9	1.5	2.5	3.5	3.5	3.8	4.0	4.3	4.5	4.7	5.0	5.1	5.3	5.3	5.3	5.3	5.4	5.4	5.3	5.3	5.2	5.1	5.1	10.1%
Ethanol-Flex Fuel ICE	0.2	11.3	13.2	15.3	15.9	16.0	15.6	15.4	15.1	14.8	14.5	14.4	14.1	14.0	13.5	13.0	12.5	12.3	12.0	11.7	11.4	11.1	10.8	10.5	17.9%
Ethanol ICE	0.1	0.2	0.3	0.5	0.6	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.0	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.2	2.2	2.2	15.8%
Electric Vehicle	0.0	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	7.8%
Electric-Diesel Hybrid	0.0	0.0	0.1	0.1	0.2	0.2	1.1	1.5	2.1	2.6	3.1	3.5	3.7	3.9	3.8	3.8	3.8	3.7	3.6	3.5	3.3	3.2	3.1	3.0	46.2%
CNG ICE	1.9	4.2	6.2	9.3	11.8	11.7	12.0	12.2	12.4	12.5	12.6	12.7	12.8	12.9	12.8	12.7	12.6	12.6	12.7	12.5	12.4	12.3	12.2	12.1	8.4%
CNG Bi-fuel	0.1	2.2	2.6	3.0	3.2	3.3	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.0	2.9	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	15.3%
LPG ICE	1.3	2.6	3.3	4.3	5.0	5.0	5.8	6.6	7.1	7.1	7.2	7.3	7.3	7.4	7.3	7.3	7.2	7.2	7.3	7.2	7.1	7.0	6.9	6.8	7.5%
LPG Bi-fuel	0.0	2.2	2.6	3.0	3.2	3.3	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.5	2.3	2.2	2.1	1.9	1.8	1.7	1.6	1.5	1.5	15.9%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	N/A
Total Alternatives	4.5	36.1	43.9	54.3	60.1	60.8	62.7	64.2	65.4	65.5	65.8	66.5	66.6	66.9	65.2	64.6	63.2	62.5	62.1	61.0	59.7	58.6	57.4	56.2	11.6%

Table 38. Light-Duty Vehicle Sales by Technology Type (Thousands)																									
03 - East North Central																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Percent Alternative Light-Truck Sales	0.46	3.74	4.49	5.47	6.17	6.32	6.38	6.47	6.48	6.44	6.40	6.40	6.35	6.31	6.22	6.20	6.13	6.04	5.97	5.92	5.84	5.76	5.66	5.60	11.5%
Total New Truck Sales	966.6	964.1	977.6	992.9	975.0	962.1	982.4	992.1	1008	1017	1028	1039	1049	1060	1049	1041	1030	1034	1040	1030	1022	1017	1014	1004	0.2%
Percent Total Alternative Sales	0.45	4.05	4.87	5.84	6.48	6.70	6.79	6.94	6.97	6.90	6.84	6.82	6.77	6.72	6.61	6.57	6.51	6.44	6.39	6.34	6.28	6.23	6.16	6.12	12.0%
EPACT Legislative Alternative Sales	6.66	13.00	20.18	30.60	38.28	41.14	45.24	48.95	51.26	51.52	51.86	52.23	52.53	53.06	52.59	52.12	51.66	51.92	52.30	51.79	51.36	51.03	50.87	50.31	9.2%
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	0.00	0.00	0.00	N/A
Total Vehicles Sales	2251	2235	2234	2237	2176	2132	2157	2164	2188	2203	2221	2240	2255	2279	2260	2242	2224	2235	2253	2232	2215	2202	2196	2173	-0.2%

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.

Altern. = Alternative

N/A = Not applicable.

Sources: 1997 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; US Department of Energy, Argonne National Laboratory, National Alternative-Fuel Survey, Model Version 28, July 21, 1998; Energy Information Administration (EIA), Describing Current and Potential Markets Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1996, DOE/EIA-0585(96) (Washington, DC, December 1997); and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

04 - West North Central																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
New Car Sales 1/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	528.0	506.0	498.1	490.0	471.9	460.0	462.8	461.9	465.7	469.0	472.5	476.0	478.5	483.8	480.9	477.1	473.9	477.5	482.5	478.7	475.5	473.5	473.1	469.1	469.1	-0.5%
TDI Diesel ICE	0.2	0.0	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7	2.5	3.5	4.6	5.8	6.7	7.5	8.1	8.6	9.0	9.2	9.3	9.5	9.6	9.8	9.8	18.4%
Total Conventional	528.2	506.1	498.2	490.1	472.1	460.3	463.3	462.6	466.9	470.7	474.9	479.5	483.1	489.5	487.6	484.5	482.0	486.1	491.4	487.9	484.8	483.0	482.7	478.9	478.9	-0.4%
Alternative-Fuel Vehicles																										
Methanol-Flex Fuel ICE	0.1	6.1	6.8	7.6	7.6	7.4	6.9	6.6	6.3	5.9	5.7	5.5	5.3	5.2	4.9	4.8	4.6	4.6	4.5	4.5	4.4	4.4	4.4	4.3	4.3	16.0%
Methanol ICE	0.2	0.4	0.6	1.0	1.3	1.4	1.6	1.8	2.0	2.1	2.3	2.5	2.6	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.8	2.8	2.8	12.3%
Ethanol-Flex Fuel ICE	0.1	5.0	5.6	6.3	6.3	6.1	5.6	5.3	5.1	4.8	4.6	4.5	4.3	4.2	4.0	3.8	3.7	3.7	3.6	3.5	3.5	3.5	3.4	3.4	3.4	16.6%
Ethanol Ice	0.0	0.1	0.2	0.3	0.5	0.6	0.8	1.2	1.5	1.9	2.2	2.6	2.9	3.1	3.3	3.3	3.3	3.4	3.3	3.3	3.2	3.1	3.1	3.0	3.0	23.6%
Electric Vehicle	0.0	0.3	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	12.2%
Electric-Diesel Hybrid	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.5	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	40.8%
CNG ICE	1.0	3.6	4.9	6.5	7.4	7.4	7.6	7.7	7.8	7.9	7.9	8.0	8.2	8.3	8.3	8.4	8.4	8.6	8.8	8.7	8.6	8.6	8.6	8.6	8.5	9.6%
CNG Bi-fuel	0.1	2.6	3.1	3.6	3.7	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.4	2.4	16.8%
LPG ICE	0.7	2.7	3.3	3.9	4.2	4.9	5.9	6.9	7.4	7.5	7.5	7.6	7.7	7.9	7.9	7.9	7.9	8.0	8.2	8.1	7.9	7.9	7.8	7.8	7.7	10.8%
LPG Bi-fuel	0.0	2.0	2.3	2.6	2.7	2.7	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.7	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.3	16.9%
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	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.8	0.8	0.8	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	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	0.0	0.0	0.0	0.0	N/A
Total Alternatives	2.3	22.8	27.2	32.1	34.2	34.8	35.6	36.6	37.2	37.0	37.1	37.4	37.6	37.9	37.4	37.1	36.8	37.1	37.4	36.9	36.4	36.0	35.8	35.3	35.3	12.5%
Percent Alternative Car Sales	0.44	4.30	5.18	6.16	6.75	7.03	7.14	7.33	7.38	7.29	7.24	7.24	7.22	7.19	7.12	7.11	7.10	7.09	7.08	7.03	6.98	6.94	6.90	6.86	6.86	12.7%
Total New Car Sales	530.6	528.8	525.4	522.2	506.2	495.1	498.9	499.2	504.1	507.7	512.0	516.9	520.7	527.5	525.0	521.6	518.8	523.2	528.9	524.8	521.2	519.0	518.5	514.1	514.1	-0.1%
New Light-Truck Sales 2/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	397.4	386.2	390.6	394.1	385.6	381.2	390.3	394.7	401.4	406.0	410.5	415.2	419.2	423.9	419.8	416.4	412.4	414.5	417.6	414.6	412.3	411.0	411.3	408.1	408.1	0.1%
TDI Diesel ICE	0.1	0.0	0.1	0.1	0.2	0.3	0.6	0.9	1.5	1.7	2.6	3.6	4.7	5.9	6.7	7.4	7.8	8.0	8.2	8.2	8.2	8.1	8.1	8.1	8.1	19.2%
Total Conventional	397.5	386.3	390.7	394.2	385.8	381.5	390.8	395.6	402.8	407.7	413.1	418.8	424.0	429.8	426.5	423.8	420.2	422.6	425.8	422.9	420.5	419.2	419.4	416.2	416.2	0.2%
Alternative-Fuel Vehicles																										
Methanol-Flex Fuel ICE	0.1	5.0	5.7	6.7	6.8	7.0	6.9	6.8	6.7	6.5	6.4	6.4	6.4	6.3	6.1	6.2	6.0	6.0	5.9	5.9	5.8	5.7	5.6	5.5	5.5	18.2%
Methanol Ice	0.2	0.4	0.6	1.1	1.5	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.2	2.2	10.2%
Ethanol-Flex Fuel ICE	0.1	4.6	5.4	6.3	6.5	6.6	6.4	6.3	6.2	6.0	5.9	5.8	5.7	5.7	5.4	5.3	5.1	5.0	4.9	4.8	4.7	4.6	4.4	4.3	4.3	18.0%
Ethanol ICE	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.2	1.4	1.5	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	19.0%
Electric Vehicle	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	8.1%
Electric-Diesel Hybrid	0.0	0.0	0.0	0.0	0.1	0.1	0.5	0.7	0.9	1.1	1.3	1.5	1.6	1.7	1.7	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.3	46.7%
CNG ICE	0.8	1.8	2.7	4.0	5.1	5.1	5.2	5.3	5.4	5.5	5.6	5.6	5.7	5.8	5.8	5.7	5.7	5.8	5.8	5.8	5.7	5.7	5.6	5.6	5.6	8.9%
CNG Bi-fuel	0.0	0.9	1.1	1.3	1.3	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.7	15.0%
LPG ICE	0.5	1.2	1.5	1.9	2.2	2.2	2.6	2.9	3.2	3.2	3.2	3.3	3.3	3.4	3.4	3.4	3.3	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	8.1%
LPG Bi-fuel	0.0	0.9	1.1	1.2	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	15.6%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	N/A
Total Alternatives	1.8	14.9	18.3	22.8	25.2	25.6	26.5	27.2	27.7	27.9	28.1	28.5	28.7	29.0	28.4	28.3	27.8	27.6	27.5	27.0	26.5	26.1	25.6	25.1	25.1	12.0%

Table 39. Light-Duty Vehicle Sales by Technology Type (Thousands)																									
04 - West North Central																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Percent Alternative Light-Truck Sales	0.46	3.72	4.47	5.46	6.14	6.29	6.34	6.43	6.44	6.39	6.37	6.38	6.34	6.32	6.24	6.25	6.20	6.13	6.06	6.01	5.93	5.85	5.76	5.70	11.5%
Total New Truck Sales	399.4	401.2	408.9	417.0	411.1	407.2	417.3	422.8	430.6	435.5	441.2	447.3	452.7	458.8	454.9	452.1	448.0	450.2	453.3	449.9	447.0	445.2	445.0	441.3	0.4%
Percent Total Alternative Sales	0.45	4.05	4.87	5.85	6.48	6.70	6.78	6.92	6.95	6.88	6.84	6.84	6.81	6.78	6.71	6.71	6.68	6.65	6.61	6.56	6.50	6.44	6.37	6.32	12.2%
EPACT Legislative Alternative Sales	2.75	5.41	8.44	12.85	16.14	17.41	19.22	20.86	21.90	22.06	22.26	22.48	22.68	22.96	22.80	22.63	22.46	22.61	22.80	22.61	22.45	22.35	22.32	22.12	9.5%
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	0.00	0.00	0.00	N/A
Total Vehicles Sales	930.0	930.0	934.4	939.2	917.3	902.2	916.2	922.0	934.7	943.2	953.2	964.2	973.4	986.2	979.9	973.7	966.8	973.3	982.2	974.6	968.2	964.2	963.5	955.5	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.

Altern. = Alternative

N/A = Not applicable.

Sources: 1997 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; US Department of Energy, Argonne National Laboratory, National Alternative-Fuel Survey, Model Version 28, July 21, 1998; Energy Information Administration (EIA), Describing Current and Potential Markets Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1996, DOE/EIA-0585(96) (Washington, DC, December 1997); and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 40. Light-Duty Vehicle Sales by Technology Type (Thousands)																									
05 - South Atlantic																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
New Car Sales 1/																									
Conventional Vehicles																									
Gasoline ICE Vehicles	1433	1373	1354	1337	1292	1265	1279	1284	1302	1319	1337	1356	1372	1396	1399	1399	1401	1424	1450	1450	1452	1457	1467	1466	0.1%
TDI Diesel ICE	0.5	0.1	0.2	0.3	0.5	0.8	1.3	2.0	3.2	4.7	6.9	9.8	13.0	16.4	19.0	21.5	23.5	25.0	26.5	27.1	27.8	28.4	29.1	29.7	19.0%
Total Conventional	1434	1373	1354	1337	1293	1266	1281	1286	1305	1324	1344	1365	1385	1413	1418	1420	1425	1449	1477	1478	1480	1486	1497	1496	0.2%
Alternative-Fuel Vehicles																									
Methanol-Flex Fuel ICE	0.4	16.9	19.2	21.8	22.0	21.7	20.4	19.9	19.3	18.7	18.2	17.9	17.6	17.4	16.6	16.2	15.9	15.7	15.7	15.6	15.6	15.6	15.7	15.7	17.3%
Methanol ICE	0.5	1.1	1.6	2.7	3.6	3.9	4.4	5.0	5.8	6.3	7.0	7.6	8.1	8.5	8.6	8.8	8.9	9.2	9.6	9.6	9.5	9.5	9.5	9.5	13.4%
Ethanol-Flex Fuel ICE	0.3	14.0	15.8	17.0	17.2	16.8	15.6	15.0	14.5	14.0	13.5	13.2	12.9	12.7	12.2	11.7	11.4	11.3	11.1	10.9	10.8	10.7	10.7	10.5	17.2%
Ethanol Ice	0.1	0.2	0.4	0.6	0.9	1.1	1.4	1.8	2.2	2.6	3.0	3.4	3.6	3.9	4.0	4.0	4.1	4.2	4.3	4.2	4.1	4.0	4.0	3.9	19.7%
Electric Vehicle	0.1	0.8	1.0	1.1	1.2	1.2	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0	2.0	2.0	1.9	1.8	1.7	1.6	1.6	13.1%
Electric-Diesel Hybrid	0.0	0.0	0.1	0.1	0.1	0.2	1.0	1.3	1.6	1.9	2.1	2.3	2.3	2.4	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.7	42.2%
CNG ICE	2.8	9.2	12.5	16.8	19.4	19.4	19.8	20.3	20.7	20.9	21.2	21.5	21.8	22.2	22.3	22.4	22.5	22.9	23.5	23.4	23.4	23.4	23.6	23.5	9.7%
CNG Bi-fuel	0.2	7.1	8.6	10.0	10.6	10.9	10.8	10.8	10.6	10.5	10.3	10.2	10.3	10.1	9.7	9.4	9.1	8.9	8.8	8.6	8.4	8.3	8.2	8.1	17.9%
LPG ICE	2.0	6.7	8.1	9.5	10.2	12.1	14.8	17.8	19.4	19.4	19.7	20.0	20.2	20.5	20.5	20.6	20.6	20.9	21.4	21.2	21.0	21.0	21.0	20.8	10.8%
LPG Bi-fuel	0.1	5.4	6.4	7.0	7.3	7.3	7.0	6.8	6.6	6.3	6.1	6.0	5.8	5.6	5.3	5.1	5.0	4.8	4.7	4.6	4.4	4.3	4.2	4.1	17.5%
Fuel Cell Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.6	0.8	1.1	1.4	1.6	1.9	2.1	2.4	2.6	2.8	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	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.8	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	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	N/A
Total Alternatives	6.4	61.4	73.6	86.6	92.5	94.7	97.5	100.8	103.0	103.0	103.4	104.5	105.1	106.1	104.5	103.7	103.1	103.8	105.2	104.4	103.8	103.5	103.5	103.0	12.9%
Percent Alternative Car Sales	0.44	4.28	5.16	6.08	6.68	6.96	7.08	7.27	7.32	7.22	7.14	7.11	7.06	6.99	6.86	6.80	6.75	6.69	6.65	6.60	6.55	6.51	6.47	6.44	12.3%
Total New Car Sales	1440	1435	1428	1424	1385	1361	1378	1386	1409	1427	1448	1470	1490	1519	1522	1524	1528	1553	1582	1584	1589	1600	1599	1599	0.5%
New Light-Truck Sales 2/																									
Conventional Vehicles																									
Gasoline ICE Vehicles	1079	1048	1061	1075	1056	1048	1079	1097	1122	1142	1162	1182	1201	1222	1219	1219	1217	1233	1252	1253	1256	1262	1272	1272	0.7%
TDI Diesel ICE	0.4	0.1	0.2	0.3	0.6	0.9	1.5	2.5	4.0	4.8	7.1	10.1	13.3	16.6	19.1	21.1	22.6	23.4	24.2	24.3	24.3	24.3	24.3	24.6	19.8%
Total Conventional	1079	1048	1062	1075	1056	1049	1080	1099	1126	1147	1169	1192	1214	1239	1238	1240	1239	1256	1276	1277	1280	1286	1297	1297	0.8%
Alternative-Fuel Vehicles																									
Methanol-Flex Fuel ICE	0.3	13.7	15.7	18.7	19.2	19.9	19.8	19.8	19.7	19.3	19.3	19.4	19.4	19.6	19.0	19.4	19.1	19.0	19.1	18.9	18.7	18.5	18.5	18.3	19.3%
Methanol Ice	0.6	1.0	1.7	2.9	4.0	4.1	4.4	4.7	5.1	5.4	5.8	6.1	6.3	6.6	6.6	6.7	6.8	6.9	7.1	7.1	7.1	7.1	7.1	7.1	11.1%
Ethanol-Flex Fuel ICE	0.3	12.6	14.9	16.5	17.2	17.3	17.0	16.8	16.6	16.3	16.0	16.0	15.8	15.8	15.3	14.9	14.5	14.3	14.0	13.7	13.5	13.2	12.9	12.6	18.3%
Ethanol ICE	0.1	0.2	0.3	0.5	0.7	0.9	1.0	1.3	1.5	1.8	2.0	2.2	2.4	2.6	2.7	2.8	2.8	2.9	3.0	3.0	3.0	3.0	3.0	3.0	16.8%
Electric Vehicle	0.0	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	8.7%
Electric-Diesel Hybrid	0.0	0.0	0.1	0.1	0.2	0.2	1.2	1.8	2.4	3.1	3.7	4.2	4.5	4.8	4.8	4.8	4.8	4.7	4.7	4.5	4.4	4.3	4.1	4.1	47.4%
CNG ICE	2.1	4.8	7.0	10.7	13.7	13.6	14.1	14.4	14.8	15.0	15.3	15.6	15.8	16.2	16.1	16.2	16.1	16.3	16.6	16.5	16.5	16.5	16.6	16.5	9.4%
CNG Bi-fuel	0.1	2.5	3.0	3.5	3.8	3.9	4.0	4.0	4.0	4.0	4.0	3.9	3.8	3.8	3.6	3.5	3.4	3.2	3.1	3.0	2.9	2.8	2.7	2.6	16.3%
LPG ICE	1.4	3.0	3.8	4.9	5.8	5.8	6.8	7.8	8.5	8.6	8.7	8.9	9.0	9.2	9.2	9.2	9.2	9.3	9.4	9.4	9.4	9.3	9.4	9.3	8.4%
LPG Bi-fuel	0.1	2.5	3.0	3.4	3.6	3.7	3.8	3.8	3.7	3.7	3.6	3.5	3.4	3.3	3.1	2.9	2.8	2.6	2.5	2.4	2.3	2.2	2.1	2.0	16.7%
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	N/A
Total Alternatives	5.0	40.5	49.6	61.4	68.5	69.8	72.5	74.9	76.9	77.6	78.6	80.1	81.0	82.0	80.7	80.7	79.7	79.5	79.8	79.1	78.2	77.4	76.6	75.7	12.5%

Table 40. Light-Duty Vehicle Sales by Technology Type (Thousands)																									
05 - South Atlantic																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Percent Alternative Light-Truck Sales	0.46	3.72	4.47	5.41	6.09	6.23	6.29	6.38	6.39	6.34	6.30	6.30	6.25	6.21	6.12	6.11	6.04	5.95	5.88	5.83	5.76	5.67	5.58	5.52	11.4%
Total New Truck Sales	1084	1089	1111	1137	1125	1119	1153	1174	1203	1224	1247	1272	1295	1321	1319	1321	1319	1336	1356	1356	1358	1363	1373	1373	1.0%
Percent Total Alternative Sales	0.45	4.04	4.86	5.78	6.41	6.63	6.72	6.86	6.89	6.81	6.75	6.73	6.68	6.63	6.52	6.48	6.42	6.35	6.30	6.24	6.18	6.13	6.06	6.01	11.9%
EPACT Legislative Alternative Sales	7.46	14.68	22.94	35.02	44.16	47.86	53.07	57.93	61.18	62.00	62.93	63.93	64.88	66.11	66.10	66.11	66.13	67.09	68.20	68.17	68.23	68.43	68.89	68.81	10.1%
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	0.00	0.00	0.00	N/A
Total Vehicles Sales	2524	2524	2539	2560	2510	2480	2531	2560	2612	2651	2695	2742	2785	2840	2841	2844	2847	2889	2938	2938	2942	2953	2973	2972	0.7%

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.

Altern. = Alternative

N/A = Not applicable.

Sources: 1997 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; US Department of Energy, Argonne National Laboratory, National Alternative-Fuel Survey, Model Version 28, July 21, 1998; Energy Information Administration (EIA), Describing Current and Potential Markets Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1996, DOE/EIA-0585(96) (Washington, DC, December 1997); and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 41. Light-Duty Vehicle Sales by Technology Type (Thousands)																										
06 - East South Central																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020	
New Car Sales 1/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	469.2	450.4	443.4	436.2	419.9	409.0	411.2	410.1	413.4	416.1	419.0	421.9	424.0	428.6	426.3	423.3	421.1	425.1	430.0	427.2	424.7	423.3	423.3	420.1	-0.5%	
TDI Diesel ICE	0.2	0.0	0.1	0.1	0.2	0.3	0.4	0.7	1.0	1.5	2.2	3.1	4.1	5.2	6.0	6.7	7.3	7.7	8.1	8.3	8.5	8.6	8.8	8.9	18.6%	
Total Conventional	469.4	450.4	443.5	436.4	420.1	409.3	411.6	410.7	414.4	417.7	421.2	425.1	428.1	433.8	432.3	430.0	428.5	432.8	438.2	435.5	433.2	431.9	432.1	429.0	-0.4%	
Alternative-Fuel Vehicles																										
Methanol-Flex Fuel ICE	0.1	5.6	6.3	7.0	7.0	6.9	6.4	6.2	6.0	5.7	5.5	5.4	5.3	5.2	4.9	4.8	4.6	4.5	4.5	4.4	4.4	4.4	4.3	4.3	16.4%	
Methanol ICE	0.2	0.3	0.5	0.9	1.2	1.3	1.4	1.6	1.8	2.0	2.1	2.3	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	12.6%
Ethanol-Flex Fuel ICE	0.1	4.6	5.2	5.7	5.7	5.6	5.2	4.9	4.8	4.6	4.4	4.3	4.1	4.1	3.9	3.7	3.6	3.5	3.5	3.4	3.3	3.3	3.3	3.2	16.8%	
Ethanol Ice	0.0	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.3	1.3	1.3	1.3	19.7%	
Electric Vehicle	0.0	0.3	0.3	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	12.5%	
Electric-Diesel Hybrid	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.5	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5	41.5%	
CNG ICE	0.9	3.0	4.1	5.5	6.3	6.3	6.3	6.5	6.6	6.6	6.6	6.7	6.7	6.8	6.8	6.8	6.7	6.8	6.9	6.9	6.8	6.8	6.8	6.7	9.1%	
CNG Bi-fuel	0.1	2.3	2.8	3.2	3.4	3.5	3.4	3.4	3.3	3.3	3.2	3.1	3.1	3.1	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.3	17.2%	
LPG ICE	0.6	2.2	2.7	3.3	3.5	4.1	4.9	5.8	6.3	6.3	6.3	6.4	6.4	6.5	6.5	6.4	6.4	6.5	6.6	6.5	6.4	6.3	6.3	6.2	10.4%	
LPG Bi-fuel	0.0	1.8	2.1	2.4	2.5	2.5	2.4	2.3	2.2	2.1	2.0	2.0	1.9	1.9	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3	17.4%	
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	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.8	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	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	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	0.0	0.0	0.0	N/A	
Total Alternatives	2.1	20.2	24.2	28.5	30.3	30.8	31.6	32.5	33.0	32.8	32.7	32.8	32.8	32.9	32.1	31.7	31.3	31.4	31.6	31.1	30.7	30.4	30.2	29.8	12.3%	
Percent Alternative Car Sales	0.44	4.30	5.18	6.12	6.72	7.01	7.13	7.32	7.37	7.27	7.20	7.17	7.11	7.04	6.92	6.87	6.81	6.75	6.72	6.67	6.62	6.58	6.54	6.50	12.4%	
Total New Car Sales	471.5	470.7	467.7	464.8	450.4	440.1	443.2	443.2	447.4	450.4	453.9	457.9	460.9	466.7	464.4	461.7	459.8	464.2	469.7	466.6	463.9	462.3	462.3	458.8	-0.1%	
New Light-Truck Sales 2/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	353.2	343.7	347.6	350.9	343.2	339.0	346.8	350.4	356.3	360.2	364.0	367.9	371.3	375.3	371.7	369.0	365.8	368.2	371.4	369.1	367.4	366.6	367.2	364.6	0.1%	
TDI Diesel ICE	0.1	0.0	0.1	0.1	0.2	0.3	0.5	0.8	1.3	1.6	2.3	3.2	4.2	5.3	6.0	6.6	7.0	7.3	7.4	7.4	7.4	7.4	7.3	7.4	19.4%	
Total Conventional	353.3	343.7	347.7	351.0	343.4	339.3	347.3	351.3	357.6	361.8	366.3	371.1	375.5	380.5	377.7	375.6	372.9	375.5	378.8	376.6	374.9	374.0	374.5	372.0	0.2%	
Alternative-Fuel Vehicles																										
Methanol-Flex Fuel ICE	0.1	4.5	5.2	5.9	6.1	6.3	6.2	6.2	6.1	5.9	5.9	5.9	5.8	5.8	5.6	5.7	5.6	5.5	5.4	5.4	5.3	5.2	5.1	5.0	18.3%	
Methanol Ice	0.2	0.3	0.6	0.9	1.3	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.0	2.0	2.0	10.4%	
Ethanol-Flex Fuel ICE	0.1	4.2	4.9	5.6	5.8	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.1	4.9	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	17.9%	
Ethanol ICE	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	16.1%	
Electric Vehicle	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	8.1%	
Electric-Diesel Hybrid	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.6	0.8	1.0	1.2	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	46.7%	
CNG ICE	0.7	1.6	2.3	3.5	4.4	4.4	4.5	4.6	4.7	4.7	4.8	4.8	4.9	5.0	4.9	4.9	4.8	4.9	4.9	4.9	4.8	4.8	4.8	4.7	8.8%	
CNG Bi-fuel	0.0	0.8	1.0	1.1	1.2	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	15.6%	
LPG ICE	0.5	1.0	1.2	1.6	1.9	1.9	2.2	2.5	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	7.8%	
LPG Bi-fuel	0.0	0.8	1.0	1.1	1.2	1.2	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	16.3%	
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	N/A	
Total Alternatives	1.6	13.3	16.3	20.1	22.3	22.7	23.4	24.0	24.5	24.6	24.8	25.1	25.2	25.4	24.8	24.6	24.1	23.9	23.8	23.4	23.0	22.6	22.2	21.8	11.9%	

Table 41. Light-Duty Vehicle Sales by Technology Type (Thousands)																									
06 - East South Central																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Percent Alternative Light-Truck Sales	0.46	3.73	4.49	5.42	6.11	6.26	6.32	6.41	6.42	6.37	6.34	6.34	6.29	6.25	6.16	6.15	6.08	5.99	5.91	5.86	5.78	5.70	5.60	5.54	11.4%
Total New Truck Sales	354.9	357.1	364.0	371.1	365.7	362.0	370.7	375.3	382.2	386.4	391.1	396.2	400.7	405.9	402.5	400.2	397.0	399.4	402.6	400.0	397.9	396.6	396.8	393.8	0.5%
Percent Total Alternative Sales	0.45	4.05	4.87	5.81	6.45	6.67	6.76	6.90	6.93	6.86	6.80	6.78	6.73	6.67	6.57	6.53	6.47	6.40	6.35	6.29	6.23	6.17	6.11	6.06	12.0%
EPACT Legislative Alternative Sales	2.44	4.82	7.51	11.44	14.36	15.48	17.07	18.52	19.43	19.57	19.73	19.92	20.07	20.31	20.17	20.03	19.90	20.06	20.25	20.10	19.98	19.91	19.90	19.74	9.5%
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	0.00	0.00	0.00	N/A
Total Vehicles Sales	826.4	827.7	831.7	835.9	816.1	802.1	813.9	818.5	829.6	836.8	845.0	854.1	861.6	872.6	866.9	861.9	856.8	863.5	872.4	866.6	861.7	859.0	859.1	852.6	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.

Altern. = Alternative

N/A = Not applicable.

Sources: 1997 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; US Department of Energy, Argonne National Laboratory, National Alternative-Fuel Survey, Model Version 28, July 21, 1998; Energy Information Administration (EIA), Describing Current and Potential Markets Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1996, DOE/EIA-0585(96) (Washington, DC, December 1997); and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 42. Light-Duty Vehicle Sales by Technology Type (Thousands)																									
07 - West South Central																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Percent Alternative Light-Truck Sales	0.46	3.72	4.47	5.38	6.07	6.21	6.27	6.36	6.37	6.32	6.28	6.29	6.24	6.20	6.11	6.11	6.04	5.96	5.89	5.83	5.75	5.67	5.57	5.50	11.4%
Total New Truck Sales	629.4	634.3	648.6	664.0	657.3	654.0	673.4	685.8	702.6	714.7	727.8	741.7	754.7	769.3	767.6	767.7	765.9	774.8	785.3	784.4	784.4	786.3	790.9	789.4	1.0%
Percent Total Alternative Sales	0.45	4.05	4.87	5.82	6.45	6.68	6.78	6.93	6.96	6.90	6.85	6.85	6.81	6.77	6.69	6.68	6.65	6.60	6.57	6.51	6.44	6.38	6.31	6.26	12.1%
EPACT Legislative Alternative Sales	4.33	8.56	13.39	20.46	25.81	27.97	31.01	33.83	35.73	36.20	36.72	37.28	37.81	38.50	38.47	38.43	38.40	38.91	39.50	39.42	39.40	39.47	39.68	39.58	10.1%
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	0.00	0.00	0.00	N/A
Total Vehicles Sales	1465	1470	1482	1496	1467	1449	1478	1496	1525	1548	1572	1599	1623	1654	1653	1653	1653	1675	1702	1699	1699	1703	1713	1709	0.7%

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.

Altern. = Alternative

N/A = Not applicable.

Sources: 1997 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; US Department of Energy, Argonne National Laboratory, National Alternative-Fuel Survey, Model Version 28, July 21, 1998; Energy Information Administration (EIA), Describing Current and Potential Markets Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1996, DOE/EIA-0585(96) (Washington, DC, December 1997); and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 43. Light-Duty Vehicle Sales by Technology Type (Thousands)																										
08 - Mountain																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
New Car Sales 1/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	456.2	443.3	446.1	451.7	444.6	441.7	450.7	455.4	464.3	472.4	480.9	489.9	498.7	510.9	515.1	518.6	522.9	534.9	548.3	552.3	557.1	563.1	571.0	574.5	1.0%	
TDI Diesel ICE	0.2	0.0	0.1	0.1	0.2	0.3	0.5	0.7	1.2	1.7	2.5	3.6	4.8	6.1	7.2	8.1	8.9	9.6	10.2	10.6	10.9	11.2	11.6	11.9	20.2%	
Total Conventional	456.4	443.4	446.2	451.9	444.8	441.9	451.2	456.1	465.4	474.1	483.4	493.5	503.5	517.0	522.3	526.7	531.9	544.4	558.6	562.9	567.9	574.4	582.6	586.4	1.1%	
Alternative-Fuel Vehicles																										
Methanol-Flex Fuel ICE	0.1	5.4	6.2	6.9	7.0	7.0	6.6	6.4	6.2	5.9	5.7	5.6	5.5	5.4	5.1	5.0	4.9	4.8	4.8	4.8	4.8	4.9	4.9	4.9	17.3%	
Methanol ICE	0.2	0.4	0.6	0.9	1.3	1.4	1.6	1.9	2.2	2.5	2.8	3.1	3.4	3.6	3.7	3.9	4.0	4.2	4.4	4.4	4.4	4.4	4.5	4.5	15.4%	
Ethanol-Flex Fuel ICE	0.1	4.5	5.1	5.5	5.6	5.6	5.2	5.0	4.8	4.5	4.4	4.3	4.1	4.0	3.9	3.7	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.4	17.5%	
Ethanol Ice	0.0	0.1	0.1	0.2	0.3	0.4	0.6	0.7	0.9	1.1	1.3	1.5	1.7	1.9	1.9	2.0	2.1	2.2	2.3	2.2	2.2	2.2	2.1	2.1	22.5%	
Electric Vehicle	0.0	0.2	0.3	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	13.4%	
Electric-Diesel Hybrid	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.5	0.6	0.7	0.7	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	42.6%	
CNG ICE	0.9	3.2	4.4	5.9	6.9	7.0	7.3	7.5	7.7	7.8	8.0	8.2	8.4	8.7	8.8	8.9	9.1	9.3	9.7	9.7	9.8	9.8	9.9	10.0	11.1%	
CNG Bi-fuel	0.1	2.3	2.8	3.2	3.5	3.6	3.6	3.6	3.5	3.4	3.3	3.3	3.3	3.2	3.1	3.0	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.6	18.1%	
LPG ICE	0.6	2.4	3.0	3.7	4.0	4.7	5.8	6.8	7.5	7.6	7.7	7.9	8.1	8.4	8.5	8.6	8.7	9.0	9.3	9.3	9.3	9.3	9.4	9.4	12.5%	
LPG Bi-fuel	0.0	1.8	2.1	2.4	2.6	2.6	2.5	2.4	2.4	2.2	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	18.5%	
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	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.9	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	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	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	0.0	0.0	0.0	N/A	
Total Alternatives	2.0	20.2	24.7	29.2	31.7	32.9	34.1	35.5	36.4	36.5	36.9	37.5	38.0	38.8	38.6	38.7	38.9	39.6	40.6	40.5	40.5	40.7	40.9	40.8	13.9%	
Percent Alternative Car Sales	0.44	4.37	5.25	6.07	6.66	6.93	7.03	7.22	7.26	7.15	7.08	7.07	7.03	6.97	6.88	6.84	6.81	6.78	6.77	6.72	6.66	6.61	6.56	6.51	12.4%	
Total New Car Sales	458.4	463.6	470.9	481.1	476.5	474.9	485.3	491.6	501.9	510.7	520.3	531.0	541.5	555.8	560.8	565.4	570.8	584.0	599.1	603.4	608.5	615.0	623.5	627.2	1.4%	
New Light-Truck Sales 2/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	343.4	338.4	349.9	363.5	363.5	366.2	380.2	389.2	400.2	409.0	417.9	427.3	436.8	447.5	449.4	452.4	454.7	463.8	474.2	477.9	482.5	488.3	495.7	499.1	1.6%	
TDI Diesel ICE	0.1	0.0	0.1	0.1	0.2	0.3	0.5	0.9	1.5	1.8	2.6	3.7	5.0	6.2	7.2	8.0	8.6	9.0	9.4	9.5	9.6	9.7	9.7	9.9	21.1%	
Total Conventional	343.5	338.5	349.9	363.6	363.7	366.5	380.7	390.1	401.7	410.8	420.5	431.0	441.7	453.7	456.6	460.4	463.3	472.8	483.5	487.4	492.1	497.9	505.5	509.0	1.7%	
Alternative-Fuel Vehicles																										
Methanol-Flex Fuel ICE	0.1	4.5	5.2	6.0	6.3	6.6	6.6	6.6	6.6	6.4	6.4	6.5	6.5	6.5	6.3	6.5	6.4	6.4	6.4	6.5	6.4	6.4	6.4	6.3	19.7%	
Methanol Ice	0.2	0.3	0.6	1.0	1.4	1.5	1.6	1.7	1.9	2.1	2.2	2.4	2.5	2.7	2.7	2.8	2.9	3.0	3.1	3.1	3.1	3.1	3.1	3.2	3.2	12.7%
Ethanol-Flex Fuel ICE	0.1	4.1	4.9	5.5	5.8	5.9	5.8	5.8	5.7	5.6	5.5	5.5	5.4	5.4	5.3	5.1	5.0	4.9	4.9	4.8	4.7	4.7	4.6	4.5	18.9%	
Ethanol ICE	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.9	1.0	1.1	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6	19.3%	
Electric Vehicle	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9.7%	
Electric-Diesel Hybrid	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.7	0.9	1.1	1.4	1.6	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	48.8%	
CNG ICE	0.7	1.6	2.4	3.7	4.8	4.8	5.1	5.2	5.4	5.5	5.6	5.8	5.9	6.1	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.6	6.7	6.7	10.5%	
CNG Bi-fuel	0.0	0.8	1.0	1.1	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	16.4%	
LPG ICE	0.5	1.0	1.3	1.8	2.1	2.1	2.5	2.9	3.2	3.2	3.3	3.4	3.5	3.6	3.6	3.6	3.7	3.8	3.8	3.9	3.9	3.9	3.9	3.9	9.7%	
LPG Bi-fuel	0.0	0.8	1.0	1.1	1.2	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.7	17.2%	
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Fuel Cell Methanol	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	N/A	
Total Alternatives	1.6	13.3	16.6	20.5	23.3	24.0	25.2	26.2	27.0	27.3	27.8	28.5	29.0	29.6	29.4	29.6	29.5	29.7	30.0	30.0	29.8	29.7	29.6	29.5	13.5%	

Table 43. Light-Duty Vehicle Sales by Technology Type (Thousands)																									
08 - Mountain																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Percent Alternative Light-Truck Sales	0.46	3.78	4.53	5.34	6.01	6.15	6.20	6.28	6.29	6.23	6.20	6.21	6.17	6.13	6.05	6.04	5.98	5.90	5.85	5.79	5.71	5.63	5.54	5.47	11.3%
Total New Truck Sales	345.1	351.7	366.5	384.1	386.9	390.5	405.9	416.3	428.7	438.1	448.3	459.6	470.8	483.4	486.0	490.0	492.8	502.5	513.5	517.3	521.9	527.6	535.1	538.4	2.0%
Percent Total Alternative Sales	0.45	4.11	4.93	5.75	6.37	6.58	6.65	6.79	6.81	6.73	6.68	6.67	6.63	6.58	6.49	6.47	6.43	6.37	6.35	6.29	6.22	6.16	6.09	6.03	11.9%
EPACT Legislative Alternative Sales	2.38	4.74	7.57	11.84	15.19	16.70	18.69	20.54	21.80	22.19	22.62	23.10	23.58	24.19	24.36	24.53	24.71	25.24	25.83	26.00	26.21	26.48	26.84	26.99	11.1%
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	0.00	0.00	0.00	N/A
Total Vehicles Sales	803.5	815.4	837.5	865.2	863.4	865.4	891.2	907.9	930.5	948.7	968.6	990.6	1012	1039	1047	1055	1064	1087	1113	1121	1130	1143	1159	1166	1.6%

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.

Altern. = Alternative

N/A = Not applicable.

Sources: 1997 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; US Department of Energy, Argonne National Laboratory, National Alternative-Fuel Survey, Model Version 28, July 21, 1998; Energy Information Administration (EIA), Describing Current and Potential Markets Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1996, DOE/EIA-0585(96) (Washington, DC, December 1997); and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 44. Light-Duty Vehicle Sales by Technology Type (Thousands)																									
09 - Pacific																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Percent Alternative Light-Truck Sales	0.46	3.77	4.52	5.46	6.14	6.27	8.27	8.01	7.77	7.53	7.33	7.30	7.25	7.18	7.07	7.03	6.90	6.81	6.68	6.56	6.42	6.29	6.12	6.00	11.8%
Total New Truck Sales	926.0	930.8	950.5	972.2	961.8	956.3	984.2	1002	1026	1044	1064	1085	1104	1125	1123	1123	1120	1133	1149	1148	1149	1152	1160	1158	1.0%
Percent Total Alternative Sales	0.45	4.09	4.91	5.85	6.48	6.68	14.46	14.57	14.58	14.53	14.47	14.45	14.42	14.37	14.30	14.29	14.24	14.21	14.14	14.08	14.00	13.93	13.81	13.74	16.0%
EPACT Legislative Alternative Sales	6.38	12.56	19.62	29.96	37.76	40.90	45.33	49.44	52.20	52.90	53.69	54.54	55.31	56.32	56.26	56.20	56.15	56.90	57.79	57.71	57.70	57.83	58.17	58.06	10.1%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	0.00	167.7	168.9	171.5	173.4	175.5	177.8	180.0	182.8	182.3	181.7	181.2	183.2	185.6	184.9	184.5	184.5	185.2	184.3	N/A
Total Vehicles Sales	2156	2158	2172	2190	2146	2119	2161	2185	2228	2262	2299	2339	2374	2419	2418	2418	2417	2450	2489	2487	2488	2495	2511	2507	0.7%

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.

Altern. = Alternative

N/A = Not applicable.

Sources: 1997 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; US Department of Energy, Argonne National Laboratory, National Alternative-Fuel Survey, Model Version 28, July 21, 1998; Energy Information Administration (EIA), Describing Current and Potential Markets Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1996, DOE/EIA-0585(96) (Washington, DC, December 1997); and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 45. Light-Duty Vehicle Sales by Technology Type (Thousands)																									
United States Total																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Percent Alternative Light-Truck Sales	0.46	3.74	4.50	5.42	6.11	6.25	6.83	6.82	6.76	6.66	6.58	6.57	6.53	6.48	6.39	6.37	6.28	6.19	6.11	6.04	5.94	5.84	5.73	5.65	11.5%
Total New Truck Sales	5849	5869	5985	6113	6037	5990	6150	6243	6374	6463	6561	6668	6764	6874	6838	6820	6786	6846	6923	6898	6883	6884	6908	6879	0.7%
Percent Total Alternative Sales	0.45	4.07	4.89	5.81	6.45	6.66	8.69	8.84	8.86	8.80	8.75	8.74	8.70	8.65	8.57	8.54	8.50	8.44	8.40	8.35	8.28	8.23	8.15	8.11	13.4%
EPACT Legislative Alternative Sales	40.27	79.17	123.6	188.4	237.0	256.2	283.2	308.0	324.1	327.3	331.0	335.1	338.8	344.0	342.7	341.4	340.2	343.8	348.2	346.7	345.7	345.5	346.5	344.8	9.8%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	0.00	266.0	267.7	271.8	274.8	278.1	281.8	285.1	289.6	288.8	287.9	287.1	290.3	294.2	293.2	292.5	292.5	293.5	292.2	N/A
Total Vehicles Sales	13618	13606	13675	13770	13472	13274	13502	13614	13836	13997	14176	14372	14544	14777	14729	14689	14644	14803	14999	14945	14908	14908	14957	14892	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.

Altern. = Alternative

N/A = Not applicable.

Sources: 1997 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; US Department of Energy, Argonne National Laboratory, National Alternative-Fuel Survey, Model Version 28, July 21, 1998; Energy Information Administration (EIA), Describing Current and Potential Markets Alternative-Fuel Vehicles, DOE/EIA-0604(96) (Washington, DC, March 1996); EIA, Alternatives to Traditional Transportation Fuels 1996, DOE/EIA-0585(96) (Washington, DC, December 1997); and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 46. Light-Duty Vehicle Stock by Technology Type (Millions)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Light-Duty Car Stock 1/ Conventional Vehicles																									
Gasoline ICE Vehicles	126.9	128.8	130.6	132.1	133.3	134.3	135.0	135.6	136.3	137.0	137.7	138.4	139.2	140.1	140.9	141.6	142.3	143.1	143.9	144.6	145.3	145.9	146.6	147.2	0.6%
TDI Diesel ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.4	1.5	11.8%
Total Conventional	127.0	129.0	130.7	132.2	133.4	134.4	135.1	135.7	136.4	137.1	137.9	138.7	139.5	140.4	141.3	142.2	143.0	143.8	144.8	145.6	146.4	147.2	148.0	148.6	0.7%
Alternative-Fuel Vehicles																									
Alcohol Fuel Technology																									
Methanol-Flex Fuel ICE	0.02	0.12	0.23	0.35	0.47	0.59	0.70	0.80	0.89	0.97	1.03	1.09	1.14	1.19	1.23	1.27	1.30	1.33	1.35	1.38	1.40	1.42	1.44	1.46	19.6%
Methanol ICE	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.04	0.05	0.07	0.09	0.12	0.15	0.18	0.21	0.24	0.27	0.30	0.33	0.35	0.38	0.40	0.43	0.45	46.2%
Ethanol-Flex Fuel ICE	0.02	0.09	0.18	0.27	0.36	0.45	0.53	0.61	0.69	0.75	0.81	0.87	0.92	0.96	1.00	1.03	1.06	1.09	1.12	1.14	1.16	1.18	1.20	1.22	20.3%
Ethanol Ice	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.09	0.10	0.12	0.14	0.16	0.18	0.20	0.22	0.24	0.25	0.27	0.28	0.29	45.8%
Natural Gas Technology																									
CNG ICE	0.04	0.09	0.16	0.25	0.35	0.46	0.56	0.66	0.76	0.85	0.94	1.03	1.11	1.19	1.27	1.34	1.41	1.48	1.55	1.62	1.68	1.73	1.79	1.84	17.5%
CNG Bi-fuel	0.01	0.04	0.09	0.14	0.20	0.25	0.30	0.35	0.40	0.44	0.48	0.52	0.55	0.58	0.61	0.63	0.65	0.67	0.68	0.70	0.71	0.72	0.73	0.74	23.0%
LPG ICE	0.06	0.10	0.14	0.19	0.25	0.32	0.40	0.49	0.59	0.68	0.77	0.86	0.94	1.02	1.10	1.17	1.24	1.31	1.37	1.43	1.49	1.54	1.59	1.64	15.5%
LPG Bi-fuel	0.00	0.03	0.07	0.10	0.14	0.18	0.22	0.25	0.28	0.31	0.33	0.35	0.37	0.38	0.40	0.41	0.42	0.42	0.43	0.44	0.44	0.44	0.45	0.45	22.9%
Electric Technology																									
Electric Vehicle	0.00	0.01	0.01	0.02	0.02	0.03	0.27	0.52	0.77	1.03	1.29	1.55	1.80	2.05	2.28	2.49	2.70	2.90	3.09	3.27	3.45	3.61	3.77	3.93	37.6%
Electric-Diesel Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.08	0.08	0.09	0.10	0.11	0.12	0.12	0.13	0.13	0.13	0.14	45.5%
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	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.07	0.08	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	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	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	0.00	0.00	0.00	N/A
Total Alternatives	0.16	0.49	0.88	1.34	1.82	2.31	3.03	3.76	4.49	5.19	5.87	6.52	7.15	7.76	8.33	8.86	9.35	9.84	10.30	10.74	11.15	11.54	11.91	12.26	20.8%
Total Car Stock	127.2	129.4	131.6	133.6	135.2	136.7	138.1	139.5	140.9	142.3	143.7	145.2	146.6	148.2	149.7	151.0	152.3	153.7	155.1	156.4	157.6	158.7	159.9	160.9	1.0%
Light-Duty Truck Stock 1/ Conventional Vehicles																									
Gasoline ICE Vehicles	54.77	56.40	58.14	60.02	61.83	63.61	65.45	67.27	69.08	70.99	72.72	74.34	75.85	77.29	78.56	79.69	80.68	81.62	82.53	83.34	84.04	84.66	85.24	85.71	2.0%
TDI Diesel ICE	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.07	0.10	0.13	0.18	0.25	0.33	0.43	0.54	0.64	0.76	0.87	0.97	1.08	1.17	1.25	1.33	16.0%
Total Conventional	54.81	56.44	58.18	60.06	61.87	63.64	65.49	67.33	69.16	71.08	72.86	74.52	76.10	77.62	78.99	80.22	81.32	82.37	83.40	84.31	85.11	85.83	86.49	87.04	2.0%
Alternative-Fuel Vehicles																									
Alcohol Fuel Technology																									
Methanol-Flex Fuel ICE	0.02	0.10	0.19	0.30	0.42	0.54	0.66	0.77	0.88	0.97	1.06	1.14	1.21	1.27	1.31	1.35	1.38	1.41	1.43	1.44	1.45	1.46	1.46	1.46	20.7%
Methanol ICE	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.09	0.10	0.11	0.12	0.14	0.15	0.16	0.17	0.17	0.18	46.6%
Ethanol-Flex Fuel ICE	0.01	0.08	0.16	0.25	0.35	0.45	0.54	0.63	0.73	0.82	0.91	0.99	1.05	1.11	1.15	1.19	1.21	1.23	1.24	1.25	1.25	1.25	1.25	1.24	23.0%
Ethanol Ice	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.15	0.16	46.5%
Natural Gas Technology																									
CNG ICE	0.05	0.07	0.11	0.16	0.23	0.30	0.37	0.45	0.52	0.59	0.66	0.73	0.79	0.85	0.90	0.94	0.98	1.01	1.04	1.07	1.09	1.11	1.13	1.14	15.0%
CNG Bi-fuel	0.00	0.02	0.03	0.05	0.07	0.09	0.11	0.13	0.15	0.17	0.18	0.20	0.21	0.22	0.23	0.23	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.22	22.2%
LPG ICE	0.15	0.16	0.17	0.18	0.20	0.22	0.24	0.27	0.31	0.34	0.38	0.41	0.45	0.48	0.50	0.53	0.55	0.57	0.59	0.60	0.62	0.63	0.64	0.64	6.4%
LPG Bi-fuel	0.00	0.02	0.03	0.05	0.07	0.09	0.11	0.13	0.14	0.16	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.19	22.0%
Electric Technology																									
Electric Vehicle	0.00	0.00	0.00	0.00	0.01	0.01	0.04	0.07	0.09	0.11	0.13	0.15	0.16	0.18	0.19	0.20	0.20	0.21	0.20	0.20	0.20	0.19	0.18	0.17	25.4%
Electric-Diesel Hybrid	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	0.14	0.16	0.19	0.21	0.23	0.25	0.26	0.27	0.28	0.29	0.29	54.4%
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	0.00	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	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	0.00	0.00	0.00	N/A
Total Alternatives	0.23	0.44	0.69	1.00	1.35	1.70	2.10	2.49	2.89	3.27	3.64	3.98	4.30	4.58	4.82	5.03	5.20	5.34	5.46	5.55	5.62	5.67	5.69	5.71	14.9%

Table 46. Light-Duty Vehicle Stock by Technology Type (Millions)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Total Truck Stock	55.05	56.88	58.87	61.06	63.22	65.35	67.59	69.82	72.04	74.35	76.50	78.50	80.40	82.20	83.81	85.25	86.52	87.71	88.86	89.86	90.73	91.50	92.19	92.75	2.3%
Total Vehicle Stock	182.2	186.3	190.4	194.6	198.5	202.0	205.7	209.3	213.0	216.7	220.2	223.7	227.0	230.4	233.5	236.3	238.9	241.4	243.9	246.2	248.3	250.2	252.1	253.6	1.4%

1/ Includes personal and fleet vehicles.

ICE = Internal combustion engine.

N/A = Not applicable.

Sources: 1997 derived using: Energy Information Administration (EIA), Household Vehicles Energy Consumption 1994, DOE/EIA-0464(94) (Washington, D.C., 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 1996, DOE/EIA-0585(96) (Washington, DC, December 1997); Federal Highway Administration, Highway Statistics 1996, (Washington DC, November 1997); R.L. Polk and Company, Transportation Energy Data Book: Edition 17, Automobiles in Operation and Vehicle Travel by Age in 1995" and "Trucking Operation and Vehicle Travel by Age in 1995", US Department of Energy, ORNL-6919, (Oak Ridge, TN., August 1997); and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 47. Light-Duty Vehicle MPG by Technology Type (MPG Gasoline Equivalents)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Automobiles 1/																									
Conventional Vehicles																									
Gasoline ICE Vehicles	27.93	27.47	27.95	28.17	28.37	28.71	29.05	29.33	29.58	29.91	30.23	30.48	30.69	30.92	31.20	31.24	31.25	31.24	31.30	31.33	31.26	31.28	31.29	31.27	0.5%
TDI Diesel ICE	38.54	38.12	38.72	38.96	39.20	39.59	40.04	40.34	40.60	40.94	41.30	41.57	41.83	42.00	42.26	42.40	42.37	42.29	42.32	42.33	42.20	42.18	42.16	42.10	0.4%
Alternative-Fuel Vehicles																									
Alcohol Fuel Technology																									
Methanol-Flex Fuel ICE	30.96	30.57	31.08	31.30	31.50	31.83	32.15	32.43	32.65	32.98	33.31	33.57	33.77	33.98	34.25	34.32	34.34	34.32	34.39	34.44	34.35	34.38	34.39	34.37	0.5%
Methanol ICE	30.15	30.41	30.85	31.03	31.23	31.74	32.28	32.70	33.10	33.55	33.99	34.32	34.59	34.84	35.15	35.24	35.28	35.27	35.35	35.40	35.31	35.33	35.34	35.32	0.7%
Ethanol-Flex Fuel ICE	30.69	30.29	30.80	31.02	31.22	31.55	31.87	32.14	32.37	32.70	33.03	33.28	33.49	33.70	33.97	34.03	34.05	34.04	34.11	34.15	34.07	34.10	34.11	34.09	0.5%
Ethanol Ice	28.98	30.15	30.63	30.81	31.04	31.59	32.08	32.47	32.78	33.16	33.53	33.81	34.03	34.25	34.53	34.60	34.62	34.61	34.68	34.72	34.63	34.65	34.65	34.63	0.8%
Natural Gas Technology																									
CNG ICE	30.16	30.15	30.52	30.64	30.75	31.03	31.35	31.49	31.69	31.96	32.24	32.45	32.70	32.94	33.23	33.42	33.61	33.68	33.72	33.75	33.66	33.66	33.66	33.63	0.5%
CNG Bi-fuel	28.64	28.23	28.63	28.82	28.97	29.25	29.58	29.76	29.96	30.24	30.51	30.73	30.95	31.18	31.45	31.61	31.76	31.79	31.81	31.82	31.73	31.72	31.71	31.67	0.4%
LPG ICE	29.40	30.17	30.55	30.65	30.74	30.87	30.97	31.02	31.17	31.44	31.72	31.95	32.21	32.46	32.75	32.96	33.14	33.20	33.25	33.27	33.18	33.18	33.18	33.15	0.5%
LPG Bi-fuel	28.88	28.41	28.83	29.01	29.17	29.45	29.77	29.96	30.17	30.45	30.72	30.95	31.19	31.42	31.69	31.85	32.00	32.03	32.06	32.07	31.97	31.97	31.95	31.91	0.4%
Electric Technology																									
Electric Vehicle	34.54	34.07	33.71	33.51	33.23	33.02	35.69	38.74	42.81	47.94	54.57	54.24	53.93	53.65	53.37	53.10	52.84	52.56	52.35	52.10	51.78	51.55	51.31	51.01	1.7%
Electric-Diesel Hybrid	49.96	50.20	50.39	50.60	50.43	50.65	51.28	50.94	50.79	50.93	51.34	51.71	51.99	52.29	52.61	52.89	53.13	53.29	53.47	53.60	53.90	54.18	54.31	54.23	0.4%
Fuel Cell Technology																									
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.71	43.59	43.47	43.39	43.32	43.28	43.23	43.19	43.17	43.11	43.11	43.08	42.98	42.95	42.92	42.86	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.55	46.42	46.28	46.18	46.09	46.02	45.93	45.88	45.82	45.74	45.72	45.68	45.55	45.52	45.48	45.41	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.12	50.95	50.77	50.62	50.48	50.36	50.22	50.12	50.02	49.88	49.82	49.73	49.57	49.49	49.42	49.31	N/A
Average New Car MPG	27.94	27.57	28.07	28.31	28.52	28.86	29.39	29.74	30.07	30.49	30.92	31.18	31.41	31.65	31.94	32.00	32.03	32.02	32.08	32.12	32.04	32.07	32.08	32.06	0.6%
Light-Duty Trucks 1/																									
Conventional Vehicles																									
Gasoline ICE Vehicles	20.21	19.15	19.25	19.33	19.34	19.44	19.59	19.63	19.74	19.90	20.08	20.20	20.34	20.54	20.72	20.86	20.99	21.11	21.26	21.40	21.49	21.65	21.83	21.80	0.3%
TDI Diesel ICE	27.22	26.51	26.60	26.64	26.60	26.68	26.86	26.83	26.94	27.38	27.61	27.77	27.94	28.17	28.39	28.55	28.70	28.86	29.03	29.18	29.26	29.42	29.62	29.55	0.4%
Alternative-Fuel Vehicles																									
Alcohol Fuel Technology																									
Methanol-Flex Fuel ICE	20.54	19.70	19.87	19.93	19.94	20.09	20.28	20.32	20.43	20.62	20.83	21.00	21.16	21.37	21.59	21.76	21.89	22.02	22.18	22.28	22.35	22.48	22.64	22.62	0.4%
Methanol ICE	20.11	20.15	20.27	20.36	20.40	20.61	20.92	21.05	21.29	21.58	21.87	22.09	22.29	22.54	22.78	22.97	23.14	23.29	23.47	23.62	23.72	23.90	24.10	24.07	0.8%
Ethanol-Flex Fuel ICE	20.48	19.78	19.90	19.99	19.99	20.11	20.30	20.34	20.45	20.63	20.84	21.00	21.16	21.37	21.57	21.72	21.86	21.99	22.15	22.28	22.36	22.49	22.66	22.65	0.4%
Ethanol Ice	19.38	19.99	20.10	20.16	20.24	20.60	20.98	21.21	21.47	21.76	22.04	22.23	22.42	22.65	22.87	23.07	23.23	23.38	23.56	23.71	23.79	23.94	24.11	24.10	1.0%
Natural Gas Technology																									
CNG ICE	20.16	20.54	20.53	20.50	20.47	20.61	20.83	20.87	21.03	21.24	21.48	21.64	21.79	21.99	22.17	22.32	22.46	22.58	22.70	22.82	22.93	23.07	23.24	23.36	0.6%
CNG Bi-fuel	20.53	20.45	20.53	20.57	20.55	20.61	20.70	20.69	20.77	20.91	21.06	21.16	21.28	21.44	21.58	21.69	21.80	21.90	22.00	22.09	22.19	22.31	22.44	22.52	0.4%
LPG ICE	19.64	20.22	20.23	20.18	20.11	20.25	20.42	20.42	20.56	20.76	20.99	21.14	21.29	21.49	21.67	21.81	21.94	22.06	22.18	22.29	22.40	22.54	22.69	22.80	0.7%
LPG Bi-fuel	20.64	20.54	20.61	20.66	20.65	20.72	20.81	20.81	20.91	21.08	21.25	21.35	21.48	21.66	21.82	21.95	22.08	22.20	22.31	22.42	22.54	22.69	22.85	22.94	0.5%
Electric Technology																									
Electric Vehicle	24.32	25.30	24.99	24.67	24.31	24.12	27.16	29.81	33.19	37.41	42.88	42.49	42.14	41.78	41.53	41.21	40.98	40.77	40.57	40.44	40.28	40.10	39.89	39.60	2.1%
Electric-Diesel Hybrid	33.57	33.21	33.41	33.51	33.36	33.56	33.64	33.58	33.70	33.98	34.39	34.70	34.96	35.26	35.51	35.68	35.84	35.98	36.11	36.19	36.41	36.60	36.70	36.63	0.4%
Fuel Cell Technology																									
Fuel Cell Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	37.61	37.31	37.04	36.73	36.42	36.15	35.94	35.69	35.45	35.23	35.03	34.85	34.65	34.52	34.40	34.25	N/A
Fuel Cell Methanol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.45	46.00	45.57	45.12	44.68	44.24	43.83	43.40	43.02	42.67	42.34	42.04	41.73	41.49	41.28	41.05	N/A
Fuel Cell Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.01	43.66	43.34	42.98	42.62	42.31	42.06	41.77	41.49	41.23	40.99	40.78	40.55	40.40	40.25	40.08	N/A

Table 47. Light-Duty Vehicle MPG by Technology Type (MPG Gasoline Equivalents)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Average New Truck MPG	20.21	19.18	19.29	19.37	19.40	19.50	19.69	19.74	19.86	20.03	20.22	20.37	20.52	20.73	20.93	21.08	21.21	21.33	21.48	21.62	21.70	21.85	22.03	22.00	0.4%
Fleet Average Stock Car MPG 2/	22.96	23.05	23.17	23.04	23.09	23.15	23.25	23.35	23.48	23.61	23.75	23.91	24.06	24.21	24.41	24.59	24.76	24.92	25.06	25.20	25.33	25.44	25.55	25.64	0.5%
Fleet Average Stock Truck MPG 2/	16.35	16.29	16.25	16.04	15.96	15.89	15.83	15.75	15.72	15.68	15.69	15.71	15.74	15.78	15.86	15.95	16.03	16.13	16.21	16.31	16.40	16.49	16.59	16.67	0.1%
Fleet Average Stock Vehicle MPG 2/	20.46	20.46	20.47	20.27	20.21	20.17	20.15	20.11	20.12	20.12	20.15	20.20	20.27	20.34	20.45	20.57	20.68	20.80	20.91	21.02	21.13	21.23	21.33	21.43	0.2%

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.

N/A = Not applicable.

Sources: 1997 derived using: Energy and Environmental Analysis Inc., Update 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, 1997; Federal Highway Administration, Highway Statistics 1995, (November 1997); United States Department of Commerce, Bureau of the Census, Truck Inventory and Use Survey, TC92-T-52 (Washington, DC, May 1995); and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 48. Light-Duty Vehicle VMT by Technology Type (Billion Miles, Unless Otherwise Noted)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Conventional Vehicles 1/																									
Gasoline ICE Vehicles	2293	2309	2311	2353	2393	2428	2463	2491	2527	2562	2600	2636	2673	2713	2744	2773	2803	2836	2867	2898	2932	2964	2997	3028	1.2%
TDI Diesel ICE	1.8	1.7	1.6	1.5	1.5	1.5	1.6	1.8	2.2	2.7	3.4	4.6	6.1	8.0	10.2	12.6	15.2	17.9	20.7	23.4	26.2	28.8	31.3	33.8	13.7%
Alternative-Fuel Vehicles																									
Alcohol Fuel Technology																									
Methanol-Flex Fuel ICE	0.7	2.8	5.1	8.1	11.3	14.5	17.4	20.2	22.7	24.8	26.7	28.3	29.8	31.2	32.3	33.2	34.1	34.9	35.5	36.1	36.8	37.3	37.8	38.3	19.0%
Methanol ICE	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.6	0.8	1.1	1.5	1.9	2.4	2.9	3.4	3.9	4.4	4.9	5.4	5.9	6.3	6.8	7.2	7.6	46.7%
Ethanol-Flex Fuel ICE	0.3	2.0	3.8	5.9	8.1	10.2	12.3	14.3	16.2	18.1	19.9	21.4	22.8	24.1	25.1	26.0	26.7	27.4	28.0	28.4	28.9	29.3	29.7	30.0	21.4%
Ethanol Ice	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.6	0.9	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.6	4.0	4.3	4.6	4.9	5.2	5.5	46.4%
Natural Gas Technology																									
CNG ICE	1.9	3.4	5.5	8.7	12.7	16.5	20.1	23.3	26.2	28.5	30.5	32.5	34.3	36.1	37.7	39.2	40.6	41.9	43.2	44.4	45.6	46.6	47.7	48.6	15.1%
CNG Bi-fuel	0.1	0.7	1.3	2.1	2.9	3.8	4.6	5.4	6.2	6.9	7.5	8.1	8.7	9.2	9.6	9.9	10.2	10.5	10.7	10.9	11.1	11.3	11.4	11.5	23.1%
LPG ICE	3.3	3.9	4.8	6.1	7.6	9.3	11.5	14.0	16.7	18.9	20.9	22.6	24.0	25.4	26.7	27.9	29.1	30.1	31.2	32.2	33.1	34.0	34.8	35.6	10.9%
LPG Bi-fuel	0.1	0.5	1.1	1.7	2.3	3.0	3.6	4.2	4.8	5.3	5.7	6.1	6.5	6.8	7.0	7.2	7.3	7.4	7.5	7.6	7.6	7.7	7.7	7.7	22.9%
Electric Technology																									
Electric Vehicle	0.1	0.1	0.2	0.3	0.5	0.6	3.7	6.8	10.0	13.2	16.4	19.5	22.7	25.8	28.6	31.3	33.9	36.4	38.7	41.0	43.3	45.5	47.6	49.7	33.7%
Electric-Diesel Hybrid	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.6	0.9	1.3	1.6	2.0	2.5	2.8	3.2	3.6	3.9	4.2	4.5	4.7	4.9	5.1	5.2	50.4%
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	0.1	0.1	0.2	0.3	0.3	0.4	0.6	0.7	0.8	1.0	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	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	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	0.0	0.0	0.0	N/A
VMT Equation Components																									
Total VMT (billion miles)	2301	2324	2335	2388	2440	2488	2538	2583	2634	2683	2735	2785	2835	2887	2930	2970	3012	3055	3097	3137	3181	3222	3263	3303	1.6%
VMT/Driving Population (thousand miles)	10.6	10.6	10.6	10.7	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.5	12.6	12.7	0.8%
Driving Population (million)	206.3	208.5	210.7	212.8	214.9	217.0	219.2	221.3	223.5	225.9	228.2	230.6	232.8	235.0	237.2	239.3	241.4	243.4	245.4	247.4	249.4	251.3	253.2	255.1	0.9%
Price Effects																									
Motor Gasoline Price (1987 \$ per million Btu)	7.23	6.14	6.26	6.47	6.65	6.81	7.01	7.23	7.34	7.48	7.59	7.71	7.68	7.70	7.69	7.77	7.80	7.73	7.77	7.79	7.74	7.77	7.72	7.75	0.3%
Fleet Miles per Gallon	20.67	20.63	20.62	20.37	20.28	20.20	20.15	20.10	20.08	20.07	20.10	20.15	20.21	20.28	20.39	20.51	20.62	20.74	20.85	20.96	21.08	21.18	21.29	21.38	0.1%
Real Cost of Driving per Mile (1987 cents)	4.374	3.722	3.801	3.973	4.102	4.217	4.350	4.499	4.571	4.662	4.720	4.782	4.755	4.749	4.718	4.736	4.729	4.661	4.661	4.646	4.594	4.586	4.537	4.531	0.2%
Point Price Elasticity	-0.041	-0.035	-0.036	-0.037	-0.038	-0.039	-0.040	-0.041	-0.041	-0.041	-0.041	-0.042	-0.041	-0.041	-0.041	-0.040	-0.040	-0.039	-0.038	-0.038	-0.037	-0.037	-0.036	-0.036	-0.6%
Income Effects																									
Disposable Income (billion 1987 dollars)	4307	4442	4554	4672	4773	4873	4998	5110	5245	5375	5518	5658	5799	5958	6089	6224	6362	6505	6653	6794	6951	7101	7250	7400	2.4%
Point Income Elasticity	0.398	0.407	0.416	0.417	0.418	0.419	0.422	0.425	0.428	0.432	0.435	0.439	0.442	0.446	0.449	0.452	0.455	0.458	0.461	0.463	0.466	0.469	0.472	0.475	0.8%
Demographic Driving Population Effect																									
Percentage Female Driving Population	0.829	0.861	0.888	0.911	0.930	0.945	0.957	0.967	0.974	0.980	0.984	0.987	0.989	0.991	0.993	0.994	0.995	0.995	0.996	0.996	0.996	0.996	0.996	0.997	0.8%
Point Demographic Elasticity	0.141	0.146	0.151	0.153	0.155	0.156	0.156	0.156	0.156	0.155	0.155	0.154	0.153	0.151	0.150	0.150	0.149	0.148	0.146	0.145	0.144	0.143	0.142	0.141	0.0%

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

VMT = Vehicle miles traveled.

ICE = Internal combustion engine.

N/A = Not applicable.

Sources: 1997 derived using: Federal Highway Administration, Highway Statistics 1996, (November 1997); Oak Ridge National Laboratory, Transportation Energy Data Book: 12, 13, 14, 15,16, and 17,(August 1997); United States Department of Commerce, Bureau of the Census, Truck Inventory and Use Survey, TC92-T-52 (Washington, DC, May 1995); Decision Analysis Corporation of Virginia, NEMS Transportation Sector Model: Model Maintenance Re-Estimation of Light-Duty VMT Model, Subtask 22-1(b), prepared for EIA, September 30, 1997; and Energy Information Administration (EIA), AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 49. Summary of New Light-Duty Vehicle Size Class Attributes																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Personal Vehicles																									
New Fuel Efficiency EPA Rated																									
Conventional Cars (MPG)																									
Minicompact	26.10	26.22	26.80	27.07	27.25	27.58	28.02	28.20	28.60	29.03	29.46	29.77	30.10	30.24	30.37	30.44	30.50	30.54	30.65	30.72	30.72	30.78	30.86	30.87	0.7%
Subcompact	32.45	31.06	31.78	31.97	32.22	32.54	32.92	33.30	33.52	33.83	34.10	34.28	34.47	34.53	34.66	34.67	34.64	34.57	34.61	34.61	34.48	34.46	34.43	34.37	0.3%
Compact	30.31	29.94	30.51	30.75	30.98	31.34	31.80	32.20	32.43	32.76	33.09	33.35	33.52	33.72	33.99	34.01	33.97	33.91	33.94	33.95	33.84	33.84	33.81	33.76	0.5%
Mid-size	26.60	26.38	26.79	26.97	27.13	27.43	27.77	27.97	28.19	28.49	28.81	29.04	29.24	29.46	29.74	29.76	29.79	29.80	29.85	29.89	29.82	29.84	29.87	29.85	0.5%
Large	24.63	24.66	24.98	25.15	25.26	25.58	26.06	26.24	26.48	26.80	27.13	27.40	27.67	28.00	28.39	28.46	28.53	28.60	28.67	28.74	28.73	28.78	28.83	28.85	0.7%
Two Seater	27.24	26.51	27.04	27.25	27.43	27.74	28.15	28.37	28.66	29.02	29.36	29.61	29.86	30.02	30.21	30.26	30.30	30.31	30.38	30.43	30.38	30.40	30.42	30.41	0.5%
Average New Car	28.52	27.97	28.48	28.71	28.92	29.27	29.61	29.92	30.17	30.51	30.84	31.10	31.30	31.51	31.79	31.83	31.84	31.82	31.87	31.90	31.82	31.84	31.84	31.82	0.5%
Average New Car On-Road MPG	24.79	24.27	24.67	24.60	24.72	24.97	25.23	25.45	25.61	25.85	26.07	26.25	26.37	26.51	26.74	26.78	26.78	26.77	26.80	26.83	26.76	26.78	26.78	26.76	0.3%
Conventional Light-Trucks																									
Small Pickup	24.18	23.77	23.85	23.86	23.82	23.87	23.99	24.03	24.02	24.05	24.10	24.16	24.23	24.35	24.48	24.59	24.69	24.77	24.90	25.00	25.02	25.15	25.29	25.23	0.2%
Large Pickup	18.53	17.74	17.76	17.79	17.79	17.81	17.86	17.82	17.91	18.07	18.21	18.30	18.42	18.61	18.79	18.95	19.08	19.21	19.37	19.53	19.63	19.80	19.98	19.94	0.3%
Small Van	22.86	22.45	22.57	22.62	22.67	22.78	22.95	23.02	23.09	23.23	23.37	23.45	23.55	23.72	23.89	24.00	24.11	24.20	24.34	24.48	24.53	24.71	24.91	24.87	0.4%
Large Van	18.50	18.48	18.63	18.76	18.82	19.02	19.32	19.38	19.59	19.86	20.14	20.35	20.54	20.81	21.05	21.24	21.40	21.56	21.74	21.92	22.06	22.27	22.51	22.50	0.9%
Small Utility	20.79	20.40	20.56	20.67	20.65	20.75	20.96	21.01	21.07	21.20	21.36	21.50	21.63	21.82	22.00	22.12	22.25	22.37	22.51	22.64	22.69	22.83	23.01	22.98	0.4%
Large Utility	17.21	13.70	13.80	13.88	13.92	14.06	14.24	14.29	14.44	14.65	14.85	14.99	15.13	15.34	15.52	15.63	15.74	15.84	15.97	16.09	16.17	16.29	16.44	16.42	-0.2%
Average New Light-Truck	20.41	19.03	19.13	19.20	19.21	19.30	19.43	19.47	19.57	19.72	19.89	20.01	20.13	20.32	20.50	20.63	20.76	20.87	21.02	21.16	21.23	21.38	21.56	21.53	0.2%
Average New Light-Truck On-Road MPG	16.68	15.52	15.57	15.47	15.43	15.48	15.55	15.55	15.60	15.70	15.79	15.86	15.93	16.05	16.19	16.30	16.39	16.49	16.59	16.71	16.77	16.88	17.02	16.99	0.1%
Degradation Factors 1/																									
Cars	0.869	0.868	0.866	0.857	0.855	0.853	0.852	0.850	0.849	0.847	0.846	0.844	0.843	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841	0.841	-0.1%
Light Trucks	0.817	0.816	0.814	0.805	0.803	0.802	0.800	0.799	0.798	0.796	0.794	0.793	0.791	0.790	0.790	0.790	0.790	0.790	0.790	0.790	0.790	0.789	0.789	0.789	-0.2%
New Fuel Efficiency by Size Class 2/																									
Alternative-Fuel Cars																									
Minicompact	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Subcompact	36.37	35.68	36.39	36.59	36.84	37.22	38.50	40.76	43.50	46.74	50.48	50.41	50.38	50.28	50.27	50.14	49.96	49.75	49.61	49.46	49.21	49.05	48.87	48.60	1.3%
Compact	30.57	30.07	30.55	30.73	30.92	31.21	32.78	34.36	36.23	38.43	40.92	41.00	41.10	41.15	41.29	41.26	41.22	41.11	41.06	41.01	40.84	40.74	40.65	40.46	1.2%
Midsize	28.86	28.65	29.08	29.26	29.43	29.74	30.20	30.43	30.74	31.13	31.52	31.82	32.10	32.39	32.72	32.90	33.06	33.16	33.28	33.36	33.34	33.40	33.46	33.47	0.6%
Large	27.00	27.03	27.34	27.52	27.63	27.96	28.57	28.81	29.11	29.49	29.88	30.21	30.53	30.91	31.34	31.58	31.83	31.99	32.12	32.22	32.24	32.31	32.38	32.41	0.8%
2-Seater	28.97	29.26	29.74	30.02	30.28	30.71	31.46	33.75	36.78	40.57	45.37	45.41	45.50	45.58	45.64	45.64	45.64	45.64	45.65	45.62	45.55	45.57	45.59	45.58	2.0%
Average New Alternative Cars	25.30	25.12	25.52	25.69	25.85	26.14	26.92	28.02	29.39	31.06	33.03	33.14	33.27	33.38	33.55	33.59	33.62	33.61	33.62	33.61	33.53	33.51	33.49	33.42	1.2%
Alternative-Fuel Light Trucks																									
Small Pickup	25.32	24.98	25.11	25.13	25.06	25.13	26.48	27.04	27.60	28.17	28.74	28.73	28.77	28.79	28.80	28.77	28.71	28.69	28.67	28.57	28.44	28.36	28.29	28.04	0.4%
Large Pickup	18.69	18.57	18.58	18.61	18.61	18.64	18.70	18.67	18.78	18.95	19.12	19.22	19.36	19.56	19.75	19.92	20.06	20.21	20.36	20.52	20.63	20.79	20.97	20.98	0.5%
Small Van	22.94	22.60	22.72	22.77	22.74	22.85	23.69	23.98	24.14	24.25	24.34	24.47	24.59	24.75	24.85	24.93	24.99	25.06	25.15	25.17	25.13	25.19	25.27	25.22	0.4%
Large Van	18.19	18.20	18.35	18.46	18.52	18.73	19.03	19.11	19.33	19.61	19.90	20.13	20.33	20.59	20.83	21.02	21.18	21.35	21.51	21.69	21.82	22.02	22.24	22.29	0.9%
Small Utility	21.20	21.05	21.24	21.38	21.37	21.51	22.18	22.48	22.86	23.31	23.77	24.18	24.48	24.76	25.00	25.08	25.24	25.35	25.50	25.57	25.60	25.69	25.77	25.76	0.8%
Large Utility	16.61	16.45	16.56	16.67	16.72	16.89	17.33	17.50	17.79	18.13	18.47	18.72	18.93	19.19	19.42	19.57	19.70	19.81	19.94	20.07	20.15	20.28	20.43	20.41	0.9%
Average New Alternative Light Trucks	20.49	20.31	20.43	20.50	20.50	20.63	21.23	21.46	21.75	22.07	22.39	22.58	22.74	22.94	23.11	23.21	23.31	23.41	23.52	23.60	23.63	23.72	23.83	23.78	0.6%
Fleet Vehicles																									
New Fuel Efficiency EPA Rated																									
Cars	26.34	26.20	26.64	26.87	27.06	27.38	27.79	28.01	28.25	28.56	28.88	29.12	29.34	29.59	29.89	29.94	29.99	30.01	30.07	30.11	30.06	30.08	30.11	30.10	0.6%
Light Trucks	19.74	19.43	19.56	19.65	19.69	19.82	20.03	20.07	20.20	20.40	20.60	20.76	20.91	21.13	21.33	21.48	21.62	21.76	21.91	22.07	22.17	22.35	22.55	22.53	0.6%

Table 49. Summary of New Light-Duty Vehicle Size Class Attributes																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Average On Road MPG																									
Cars	22.60	22.69	22.81	22.72	22.82	23.03	23.25	23.48	23.70	23.90	24.09	24.28	24.47	24.64	24.86	25.03	25.16	25.26	25.30	25.34	25.36	25.37	25.37	25.37	0.5%
Light Trucks	15.72	15.70	15.75	15.66	15.73	15.74	15.81	15.86	15.92	16.00	16.09	16.18	16.28	16.39	16.54	16.68	16.81	16.95	17.07	17.19	17.30	17.41	17.53	17.63	0.5%
New Vehicle Sales Shares (%)																									
Conventional Cars																									
Minicompact	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.0%
Subcompact	0.176	0.167	0.167	0.168	0.168	0.169	0.169	0.170	0.170	0.170	0.170	0.170	0.169	0.168	0.167	0.167	0.167	0.166	0.166	0.165	0.164	0.164	0.163	0.163	-0.3%
Compact	0.374	0.350	0.354	0.360	0.365	0.369	0.374	0.379	0.383	0.386	0.389	0.392	0.392	0.393	0.393	0.395	0.396	0.396	0.397	0.398	0.397	0.398	0.398	0.399	0.3%
Mid-Size	0.303	0.326	0.322	0.317	0.313	0.309	0.304	0.299	0.297	0.294	0.291	0.289	0.289	0.288	0.288	0.286	0.285	0.286	0.285	0.284	0.285	0.284	0.284	0.284	-0.3%
Large	0.131	0.142	0.141	0.140	0.139	0.138	0.137	0.135	0.135	0.135	0.134	0.134	0.135	0.135	0.136	0.136	0.136	0.137	0.137	0.137	0.138	0.138	0.139	0.139	0.3%
Two Seater	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	0.010	-0.1%
Conventional Light Trucks																									
Small Pickup	0.153	0.150	0.149	0.146	0.144	0.142	0.140	0.137	0.136	0.134	0.133	0.132	0.132	0.132	0.132	0.131	0.131	0.131	0.131	0.130	0.131	0.130	0.131	0.130	-0.7%
Large Pickup	0.285	0.272	0.269	0.266	0.264	0.262	0.259	0.257	0.255	0.253	0.250	0.248	0.246	0.244	0.243	0.242	0.240	0.239	0.238	0.237	0.235	0.234	0.233	0.232	-0.9%
Small Van	0.169	0.172	0.176	0.180	0.184	0.187	0.192	0.196	0.198	0.201	0.204	0.206	0.206	0.207	0.207	0.209	0.210	0.209	0.210	0.211	0.210	0.211	0.210	0.211	1.0%
Large Van	0.024	0.023	0.023	0.023	0.023	0.022	0.022	0.022	0.022	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	-0.8%
Small Utility	0.282	0.246	0.247	0.247	0.248	0.248	0.249	0.249	0.249	0.250	0.251	0.251	0.252	0.253	0.254	0.255	0.255	0.256	0.257	0.257	0.258	0.259	0.260	0.260	-0.4%
Large Utility	0.086	0.136	0.137	0.137	0.138	0.138	0.139	0.139	0.140	0.140	0.141	0.141	0.142	0.142	0.143	0.143	0.144	0.144	0.145	0.145	0.146	0.146	0.146	0.147	2.3%
New Vehicle Average Horse Power																									
Conventional Cars																									
Minicompact	182.7	202.7	204.5	207.3	209.9	212.8	215.7	218.3	222.0	225.4	229.1	232.3	236.0	239.1	241.5	244.0	246.4	249.2	251.3	253.6	256.9	259.0	261.5	263.8	1.6%
Subcompact	121.2	147.6	147.1	150.2	151.5	154.7	158.9	158.3	163.6	168.4	173.9	178.8	184.6	190.4	195.0	199.1	203.1	207.9	211.7	215.5	220.3	223.6	227.3	230.5	2.8%
Compact	146.9	146.9	147.2	150.3	151.8	154.8	158.9	158.9	164.1	168.8	174.1	179.1	184.7	190.4	195.2	199.2	203.3	208.1	211.8	215.6	220.3	223.7	227.1	230.2	2.0%
Mid-Size	166.9	178.8	180.4	183.6	185.6	188.6	192.5	193.3	198.4	203.0	208.2	213.0	218.6	224.3	229.1	233.0	237.1	241.9	245.6	249.1	253.5	256.6	260.1	263.2	2.0%
Large	187.3	221.8	224.4	227.8	230.1	233.2	237.7	239.8	244.7	249.3	254.3	259.1	264.3	269.7	274.5	278.3	282.5	287.3	290.5	293.7	297.8	300.8	303.9	306.8	2.2%
Two Seater	154.1	228.8	231.0	234.6	237.2	240.8	245.4	247.4	252.7	257.6	263.0	267.9	273.4	278.9	283.4	287.3	291.3	295.7	299.1	302.5	307.0	310.1	313.6	316.8	3.2%
Average New Car	154.0	169.1	169.9	172.8	174.4	177.2	181.1	181.3	186.3	190.8	196.0	200.8	206.4	212.1	216.8	220.7	224.8	229.7	233.3	236.9	241.5	244.7	248.2	251.3	2.2%
Conventional Light Trucks																									
Small Pickup	144.2	156.6	159.2	162.5	164.2	167.5	171.8	171.9	177.5	182.7	188.5	194.1	200.4	207.2	212.6	217.6	222.7	228.5	233.1	237.4	242.5	246.4	250.5	254.2	2.5%
Large Pickup	196.6	226.8	230.6	234.1	236.8	240.3	244.8	246.8	252.2	257.2	262.9	268.5	274.8	281.5	287.0	291.9	296.7	301.9	305.9	310.0	315.0	318.6	322.4	325.7	2.2%
Small Van	166.2	179.2	180.9	184.4	186.8	190.0	194.2	195.1	200.9	206.2	212.2	217.9	224.8	232.2	238.3	244.0	250.1	256.9	262.6	267.6	273.6	278.2	283.1	287.2	2.4%
Large Van	194.9	229.4	232.0	234.6	237.1	239.8	242.9	244.8	248.8	252.3	256.2	260.0	264.8	270.1	274.5	278.9	282.9	287.1	290.5	293.9	297.9	300.9	303.9	306.5	2.0%
Small Utility	173.4	191.4	194.0	197.4	200.1	203.4	207.5	209.0	214.3	219.2	224.5	229.7	235.9	242.4	247.6	252.6	257.9	263.8	268.2	272.6	278.0	282.0	286.4	290.1	2.3%
Large Utility	196.9	198.3	201.5	204.6	207.2	210.2	213.9	215.5	220.3	224.5	229.2	233.9	239.5	245.5	250.5	255.0	259.6	264.8	268.8	272.8	277.9	281.5	285.3	288.5	1.7%
Average New Light Truck	176.9	195.5	198.3	201.6	204.0	207.2	211.3	212.6	217.9	222.7	228.1	233.4	239.6	246.2	251.6	256.6	261.7	267.5	271.9	276.3	281.5	285.4	289.6	293.2	2.2%

1/ Conversion factor used to convert Environmental Protection Agency rated to "on road" miles per gallon.

2/ Environmental Protection Agency rated miles per gallon.

N/A = Not applicable.

Sources: 1997 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, 1997; Federal Highway Administration, Highway Statistics 1996, (November 1997); 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 (March 1992); Decision Analysis Corporation of Virginia, Fuel Efficiency Degradation Factor, Final Report, Subtask 1, prepared for EIA, (Washington, DC, August 1992); and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Cars 1/																									
Gasoline Conventional	1906	1884	1847	1803	1725	1677	1674	1659	1671	1686	1704	1724	1742	1770	1768	1763	1761	1784	1811	1805	1801	1801	1807	1800	-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	0.00	0.00	0.00	N/A
Methanol																									
Flex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Neat	2.81	4.67	7.31	11.68	15.36	15.23	15.65	15.96	16.29	16.43	16.60	16.78	16.95	17.22	17.19	17.14	17.11	17.33	17.59	17.52	17.48	17.47	17.53	17.45	8.3%
Ethanol																									
Flex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Neat	0.32	0.49	0.78	1.31	1.80	1.76	1.78	1.79	1.81	1.83	1.85	1.87	1.89	1.92	1.91	1.91	1.90	1.93	1.96	1.95	1.95	1.95	1.95	1.94	8.1%
CNG	14.75	31.60	47.90	68.78	82.11	81.51	83.87	85.66	87.49	88.27	89.17	90.17	91.05	92.49	92.34	92.04	91.91	93.08	94.46	94.09	93.86	93.84	94.15	93.72	8.4%
CNG Bi-fuel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	10.22	16.53	22.28	29.27	33.26	42.95	58.72	74.08	82.51	83.01	83.63	84.35	84.97	86.10	85.76	85.30	84.99	85.90	87.00	86.50	86.13	85.95	86.09	85.55	9.7%
LPG Bi-fuel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.45	1.09	1.60	2.13	2.35	2.40	2.58	2.74	2.85	2.87	2.90	2.93	2.96	3.01	3.00	2.99	2.98	3.02	3.06	3.05	3.04	3.04	3.05	3.03	8.7%
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	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	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	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	0.00	0.00	0.00	N/A
Total Fleet Cars	1935	1939	1926	1917	1860	1821	1837	1840	1862	1879	1898	1920	1940	1971	1968	1962	1960	1985	2015	2008	2003	2003	2010	2001	0.1%
Light Trucks 1/																									
Gasoline Conventional	1681	1685	1697	1700	1648	1633	1669	1687	1718	1741	1766	1794	1819	1848	1838	1833	1823	1840	1860	1853	1849	1849	1855	1847	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	0.00	0.00	0.00	N/A
Methanol																									
Flex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Neat	3.41	5.27	8.56	14.59	20.10	19.93	20.52	20.89	21.36	21.64	21.96	22.30	22.61	22.98	22.85	22.79	22.67	22.87	23.12	23.03	22.98	22.98	23.06	22.96	8.6%
Ethanol																									
Flex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Neat	0.45	0.68	1.12	1.94	2.69	2.67	2.74	2.78	2.83	2.87	2.91	2.96	3.00	3.05	3.03	3.02	3.01	3.03	3.07	3.06	3.05	3.05	3.06	3.05	8.7%
CNG	11.20	19.33	30.79	49.67	65.56	64.98	67.12	68.58	70.23	71.16	72.20	73.32	74.36	75.55	75.15	74.92	74.53	75.19	76.02	75.74	75.57	75.56	75.83	75.49	8.7%
CNG Bi-fuel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	7.69	10.41	14.00	19.64	24.08	23.91	29.29	34.54	37.71	38.20	38.76	39.37	39.93	40.57	40.35	40.23	40.02	40.37	40.81	40.67	40.57	40.57	40.71	40.53	7.5%
LPG Bi-fuel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.17	0.36	0.53	0.72	0.83	0.83	0.90	0.96	1.00	1.02	1.03	1.05	1.06	1.08	1.07	1.07	1.06	1.07	1.09	1.08	1.08	1.08	1.08	1.08	8.3%
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	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	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	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	0.00	0.00	0.00	N/A
Total Fleet Light Trucks	1704	1721	1752	1786	1762	1746	1790	1815	1851	1876	1903	1933	1960	1992	1981	1975	1965	1982	2004	1997	1992	1992	1999	1990	0.7%
Total Fleet Vehicles	3639	3660	3678	3703	3621	3566	3626	3654	3713	3754	3802	3853	3900	3962	3949	3937	3924	3967	4019	4004	3995	3995	4009	3991	0.4%
Commercial Light Trucks 2/	850	863	879	896	884	876	898	911	930	943	957	973	988	1005	1000	998	993	1003	1014	1011	1009	1010	1014	1010	0.7%

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.
N/A = Not Applicable.

Sources: 1997 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, March 1992; Bobit Publishing Company, Fleet Fact Book, Redondo Beach, California, various issues; United States Department of Commerce, Bureau of the Census, "Truck Inventory and Use Survey," TC92-T-52, (Washington, DC, May 1995); Federal Highway Administration, Highway Statistics 1996 (November 1997); 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 1996, DOE/EIA-0585(96) (Washington, DC, December 1997); and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

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

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Cars 1/																									
Gasoline Conventional	8174	8001	7779	7545	7332	7088	6875	6689	6596	6595	6627	6690	6760	6843	6905	6943	6961	6977	7021	7062	7098	7114	7113	7108	-0.6%
Distillate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																									
Flex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Neat	6.48	10.23	16.56	27.22	41.49	54.01	65.41	74.32	79.27	80.31	81.31	82.16	83.00	83.94	84.70	85.24	85.57	85.95	86.37	86.70	87.03	87.36	87.58	87.49	12.0%
Ethanol																									
Flex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Neat	0.73	1.12	1.78	2.98	4.66	6.08	7.34	8.32	8.80	8.83	8.91	8.99	9.09	9.19	9.28	9.34	9.37	9.42	9.46	9.50	9.54	9.58	9.60	9.59	11.8%
CNG	33.40	60.61	103.9	167.6	244.3	315.5	379.5	426.3	454.4	463.1	467.9	472.8	477.4	482.8	487.2	490.4	492.5	494.9	497.7	499.4	501.1	502.8	504.4	504.4	12.5%
CNG Bi-fuel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	32.43	41.94	57.10	79.23	105.5	140.0	186.9	241.8	297.4	336.4	359.4	369.2	371.9	375.4	377.9	379.3	379.8	380.3	381.8	382.9	383.8	384.2	384.0	383.3	11.3%
LPG Bi-fuel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	1.06	2.00	3.45	5.41	7.57	9.76	11.81	13.39	14.55	15.13	15.41	15.61	15.75	15.93	16.06	16.16	16.23	16.30	16.40	16.45	16.50	16.54	16.59	16.60	12.7%
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	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	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	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	0.00	0.00	0.00	N/A
Total Fleet Cars	8249	8117	7962	7827	7736	7614	7526	7453	7450	7499	7560	7639	7717	7810	7880	7923	7945	7964	8013	8056	8096	8115	8116	8110	-0.1%
Light Trucks 1/																									
Gasoline Conventional	7493	7834	8022	8253	8343	8301	8277	8257	8257	8321	8448	8573	8702	8832	8927	8992	9020	9041	9056	9070	9085	9107	9123	9113	0.9%
Distillate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Methanol																									
Flex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Neat	8.57	12.96	20.46	33.84	52.74	71.20	87.89	103.1	115.4	122.2	124.0	126.2	128.2	130.2	131.6	132.7	133.4	134.0	134.4	134.5	134.6	134.8	135.2	135.3	12.7%
Ethanol																									
Flex	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Neat	1.12	1.69	2.67	4.46	7.00	9.49	11.75	13.80	15.47	16.38	16.60	16.88	17.14	17.41	17.61	17.75	17.85	17.92	17.98	17.99	18.01	18.04	18.09	18.10	12.9%
CNG	28.03	44.30	71.41	117.1	178.5	237.3	288.9	334.2	369.5	389.1	395.8	403.1	409.5	415.8	420.5	423.9	425.9	427.5	428.9	429.2	429.7	430.4	431.5	431.6	12.6%
CNG Bi-fuel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	27.15	33.09	42.05	56.74	75.52	93.09	113.0	135.5	157.5	175.1	188.9	198.7	203.9	207.0	209.3	210.9	211.7	212.3	212.8	213.1	213.4	213.8	214.3	214.2	9.4%
LPG Bi-fuel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.48	0.77	1.21	1.86	2.60	3.27	3.81	4.27	4.59	4.81	5.01	5.16	5.26	5.34	5.39	5.43	5.45	5.47	5.48	5.49	5.49	5.51	5.52	5.51	11.2%
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	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	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	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	0.00	0.00	0.00	N/A
Total Fleet Light Trucks	7558	7927	8160	8467	8659	8715	8783	8848	8919	9029	9178	9323	9466	9607	9711	9783	9815	9838	9856	9871	9887	9910	9927	9917	1.2%
Total Fleet Vehicles	15807	16044	16121	16295	16395	16329	16309	16300	16369	16528	16738	16961	17184	17418	17592	17706	17759	17802	17869	17927	17983	18025	18043	18027	0.6%
Commercial Light Trucks 2/																									
	9593	9807	10023	10242	10433	10603	10784	10966	11154	11342	11533	11726	11920	12119	12300	12465	12615	12765	12916	13054	13180	13299	13414	13516	1.5%

1/ Includes all fleets of 10 or more.

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

ICE = Internal combustion engine.

N/A = Not applicable.

Sources: 1997 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, March 1992; Bobit Publishing Company, Fleet Fact Book, Redondo Beach, California, various issues; United States Department of Commerce, Bureau of the Census, "Truck Inventory and Use Survey," TC92-T-52, (Washington, DC, May 1995); Federal Highway Administration, Highway Statistics 1996, (November 1997); Decision Analysis Corporation of Virginia, NEMS Transportation Sector Model: Development of the Light Commercial 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 1996, DOE/EIA-0585(96) (Washington, DC, December 1997); and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 54. Air Travel Energy Use																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Travel Demand (billion miles)																									
Revenue Passenger Miles Domestic	452.2	468.3	479.3	494.2	506.3	518.2	532.2	544.8	560.7	576.4	593.4	611.0	628.6	648.0	662.7	677.2	691.9	707.7	724.8	740.9	757.7	774.8	792.5	809.7	2.6%
RPM Personal	235.2	246.4	254.6	264.1	271.9	279.1	288.0	295.8	305.9	315.6	326.3	337.4	348.6	361.4	371.2	380.9	390.9	401.5	412.9	424.1	436.5	448.7	461.1	473.5	3.1%
RPM Business	217.1	221.9	224.7	230.0	234.5	239.1	244.1	249.0	254.8	260.8	267.1	273.5	279.9	286.6	291.5	296.3	301.0	306.1	311.9	316.7	321.2	326.1	331.4	336.2	1.9%
Load Factor Domestic 1/	0.69	0.69	0.69	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	N/A
Revenue Passenger Miles International	169.1	204.6	214.4	226.0	231.7	242.5	249.6	261.3	269.4	283.1	292.2	307.4	316.8	333.6	341.9	356.7	365.3	381.5	391.4	407.7	417.1	434.5	444.6	454.5	4.4%
Load Factor International 1/	0.74	0.74	0.74	0.73	0.73	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	-0.1%
Revenue Ton Miles Freight (billion)	16.5	16.1	16.5	18.0	19.8	21.6	23.6	25.6	28.0	30.4	33.1	35.6	38.4	41.1	43.6	45.9	48.2	50.6	53.3	55.7	58.3	60.7	63.2	65.7	6.2%
Macro Variables (1992 dollars)																									
GDP	7270	7516	7636	7830	7996	8173	8362	8549	8769	8991	9219	9443	9666	9896	10070	10249	10417	10599	10800	10976	11149	11324	11507	11680	2.1%
Real Merchandise Exports	726	729	746	809	889	967	1048	1137	1241	1350	1465	1582	1706	1834	1949	2054	2164	2280	2401	2521	2642	2763	2880	2998	6.4%
Disposable Income	5183	5345	5480	5622	5744	5864	6014	6149	6311	6469	6640	6809	6979	7170	7328	7489	7656	7828	8006	8176	8364	8545	8725	8905	2.4%
Yield (ticket price, 1992 dollars) 2/	12.8	12.0	12.1	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.1	13.1	13.1	13.1	13.1	13.2	13.3	13.3	13.3	13.3	13.5	13.5	13.5	13.5	0.2%
Fuel Cost (1987 dollars per million Btu)	3.87	2.88	2.99	3.10	3.24	3.40	3.58	3.81	4.00	4.16	4.25	4.26	4.26	4.25	4.25	4.38	4.42	4.43	4.44	4.51	4.66	4.69	4.67	4.70	0.8%
Seat Miles Demanded (billion)	1049	1116	1149	1216	1260	1315	1365	1420	1479	1545	1609	1682	1748	1814	1872	1936	1992	2062	2127	2197	2260	2334	2399	2462	3.8%
Aircraft Sales																									
Narrow Body Aircraft	284.1	460.5	223.1	354.3	255.5	294.9	270.5	289.1	301.8	330.5	317.5	351.0	327.1	323.9	295.7	321.3	297.7	347.3	334.2	358.5	335.4	375.9	350.0	349.4	0.9%
Wide Body Aircraft	79.0	124.3	71.9	107.4	86.6	99.8	96.7	104.3	110.4	120.9	119.7	131.6	126.9	127.8	120.9	130.2	124.3	141.5	138.9	148.7	142.8	158.6	152.0	154.0	2.9%
Aircraft Stock																									
Narrow Body Aircraft	4449	4789	4890	5123	5256	5430	5578	5745	5923	6128	6317	6536	6727	6910	7059	7227	7365	7545	7705	7881	8026	8204	8347	8482	2.8%
Wide Body Aircraft	1035	1137	1186	1267	1327	1398	1465	1538	1617	1705	1792	1889	1981	2073	2156	2248	2333	2433	2529	2633	2729	2838	2938	3037	4.8%
Aircraft New Efficiency 3/																									
Narrow Body Aircraft	49.1	49.5	49.9	50.2	50.6	50.9	51.3	51.6	52.0	52.3	52.7	53.0	53.4	53.7	54.1	54.4	54.8	55.1	55.5	55.8	56.2	56.6	56.9	57.3	0.7%
Wide Body Aircraft	58.8	59.1	59.5	59.8	60.1	60.4	60.7	61.0	61.3	61.6	61.9	62.2	62.5	62.8	63.7	65.3	66.5	67.2	67.7	68.0	68.1	68.2	68.2	68.2	0.6%
Average Aircraft Efficiency	50.9	51.2	51.9	52.2	52.7	53.0	53.5	53.8	54.2	54.5	54.9	55.2	55.7	56.0	56.6	57.2	57.8	58.2	58.6	58.9	59.3	59.6	59.9	60.2	0.7%
Aircraft Stock Efficiency 3/																									
Narrow Body Aircraft	46.9	47.3	47.6	48.0	48.3	48.6	48.9	49.3	49.6	49.9	50.3	50.6	51.0	51.3	51.6	52.0	52.3	52.6	53.0	53.3	53.6	54.0	54.3	54.7	0.7%
Wide Body Aircraft	56.2	56.6	56.8	57.1	57.4	57.7	58.0	58.2	58.5	58.8	59.1	59.4	59.7	59.9	60.2	60.6	61.0	61.4	61.8	62.2	62.6	62.9	63.3	63.6	0.5%
Average Aircraft Stock Efficiency	51.0	51.4	51.7	52.1	52.5	52.8	53.2	53.5	53.9	54.3	54.6	55.0	55.3	55.7	56.0	56.4	56.8	57.2	57.6	58.1	58.4	58.9	59.2	59.6	0.7%
Seat Miles Demanded (billion)																									
Narrow Body Aircraft	542	572	583	610	626	647	665	685	706	730	753	779	802	823	841	861	878	899	918	939	956	978	995	1011	2.7%
Wide Body Aircraft	506	544	567	606	634	668	700	735	773	815	856	903	947	990	1030	1074	1115	1163	1209	1258	1304	1356	1404	1451	4.7%
Fuel Consumption (trillion Btu)																									
Commercial																									
Jet Fuel	2744	2743	2838	3275	3372	3494	3603	3723	3852	3998	4136	4295	4436	4574	4690	4817	4924	5059	5181	5314	5430	5567	5685	5798	3.3%
Aviation Gasoline	42.9	42.8	42.7	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	564.0	536.9	530.3	519.4	508.2	497.6	499.2	507.9	515.6	523.1	530.7	538.6	546.0	549.8	550.5	551.1	550.9	550.2	549.4	547.7	545.5	543.3	541.1	538.8	-0.2%

Table 54. Air Travel Energy Use Notes

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: 1997 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 1997-2008, FAA-APO 97-1, and previous editions; United States Department of Transportation (DOT), Research and Special Programs Administration (RSPA), Fuel Cost and Consumption Tables, annual summaries, 1979-1990; DOT, RSPA, Air Carrier Financial Statistics Quarterly, December 1990/1989, and prior issues; DOT, RSPA, Air Carrier Traffic Statistics Monthly, December 1997/1996, and prior issues; 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 1995, DOE/EIA-0214(95) (Washington, DC, December 1997); Department of Defense, Defense Fuel Supply Center, Fact Book: Fiscal Year 1996; and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 55. Freight Transportation Energy Use																							1997-		
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Existing Trucks by Size Class																									
VMT (billion miles)																									
Medium																									
Diesel	30.8	33.6	34.1	34.8	35.7	36.5	37.2	37.9	38.9	40.0	40.9	41.8	42.6	43.3	43.8	44.3	44.7	45.4	46.1	46.5	47.0	47.5	48.1	48.5	2.0%
Gasoline	17.2	16.9	15.9	15.0	14.0	13.1	12.4	11.8	11.2	10.7	10.2	9.8	9.5	9.1	8.8	8.5	8.2	8.0	7.8	7.5	7.4	7.2	7.1	7.0	-3.9%
Liquid Petroleum Gas	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.0%
Compressed Natural Gas	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.7	0.8	1.0	1.1	1.3	1.4	1.5	1.7	1.8	1.8	1.9	2.0	2.1	14.0%
Medium Subtotal	49.2	51.6	51.1	50.8	50.8	50.8	50.7	50.8	51.4	52.0	52.7	53.3	53.9	54.5	54.8	55.2	55.5	56.1	56.7	57.0	57.4	58.0	58.4	58.8	0.8%
Heavy																									
Diesel	126.3	139.3	142.7	147.4	152.5	156.9	161.1	165.0	169.5	173.6	177.4	180.7	184.2	187.3	189.4	191.8	193.9	196.7	199.6	201.4	203.4	205.6	207.7	209.6	2.2%
Gasoline	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	-4.2%
Liquid Petroleum Gas	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	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	4.1%
Compressed Natural Gas	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	16.4%
Heavy Subtotal	128.3	141.3	144.5	149.1	154.2	158.5	162.6	166.5	170.9	175.1	178.9	182.3	185.7	188.9	191.1	193.5	195.6	198.4	201.4	203.3	205.3	207.5	209.7	211.6	2.2%
Total VMT	177.5	192.8	195.6	199.9	204.9	209.2	213.4	217.3	222.3	227.1	231.6	235.5	239.6	243.4	245.9	248.7	251.1	254.5	258.1	260.2	262.7	265.5	268.1	270.4	1.8%
Consumption (trillion Btu)																									
Medium																									
Diesel	510.4	549.9	554.4	561.6	572.7	582.4	590.0	597.9	611.3	624.2	636.3	646.7	656.4	665.8	670.1	675.5	679.8	687.0	695.0	697.4	702.1	707.8	712.2	715.6	1.5%
Gasoline	288.3	281.6	265.9	249.9	233.3	218.9	206.9	195.8	186.5	177.5	169.7	162.5	155.9	149.9	143.7	138.1	132.7	128.2	124.1	119.8	116.4	113.2	110.0	107.1	-4.2%
Liquid Petroleum Gas	17.0	17.0	16.6	16.4	16.0	15.8	15.6	15.6	15.8	16.0	16.3	16.7	17.0	17.4	17.6	17.9	18.1	18.3	18.6	18.7	18.9	19.0	19.1	19.2	0.5%
Compressed Natural Gas	1.7	1.7	1.7	1.8	2.0	2.4	3.0	4.0	5.3	7.1	9.0	11.3	13.7	16.2	18.4	20.7	22.8	24.9	26.9	28.4	29.8	31.2	32.3	33.2	13.9%
Medium Subtotal	817.4	850.1	838.6	829.6	823.9	819.4	815.5	813.2	819.0	824.7	831.4	837.2	843.1	849.2	849.8	852.1	853.4	858.5	864.6	864.3	867.1	871.1	873.6	875.1	0.3%
Heavy																									
Diesel	3126	3406	3462	3547	3639	3711	3780	3839	3907	3969	4025	4072	4124	4170	4198	4234	4262	4308	4357	4384	4417	4451	4486	4514	1.6%
Gasoline	41.4	39.7	37.6	35.3	33.0	30.9	29.2	27.6	26.1	24.7	23.5	22.3	21.3	20.4	19.5	18.7	18.0	17.4	16.8	16.2	15.8	15.4	15.0	14.6	-4.4%
Liquid Petroleum Gas	2.8	2.7	2.7	2.6	2.7	2.7	2.8	2.9	3.0	3.2	3.3	3.5	3.7	3.9	4.0	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.9	2.5%
Compressed Natural Gas	0.6	0.6	0.7	0.7	0.9	1.1	1.5	2.0	2.6	3.5	4.5	5.6	6.8	8.0	9.1	10.2	11.2	12.2	13.2	14.0	14.7	15.4	16.0	16.5	15.3%
Heavy Subtotal	3171	3449	3503	3586	3675	3746	3814	3872	3939	4000	4056	4103	4156	4202	4231	4267	4296	4341	4391	4419	4452	4487	4522	4551	1.6%
Medium and Heavy Total																									
Diesel	3637	3956	4016	4109	4211	4293	4370	4437	4519	4593	4661	4718	4781	4836	4868	4909	4942	4995	5052	5082	5119	5159	5198	5230	1.6%
Gasoline	329.7	321.3	303.6	285.2	266.3	249.8	236.1	223.4	212.7	202.2	193.2	184.8	177.2	170.3	163.2	156.8	150.7	145.6	140.9	136.0	132.1	128.5	125.0	121.7	-4.2%
Liquid Petroleum Gas	2.3	2.3	2.4	2.5	2.9	3.5	4.5	5.9	8.0	10.6	13.5	17.0	20.5	24.1	27.5	30.9	34.0	37.2	40.1	42.4	44.6	46.6	48.3	49.7	14.3%
Compressed Natural Gas	19.8	19.7	19.2	19.1	18.6	18.5	18.4	18.4	18.8	19.2	19.7	20.2	20.7	21.3	21.7	22.0	22.3	22.7	23.1	23.3	23.6	23.8	24.0	24.1	0.9%
Total	3989	4299	4341	4416	4499	4565	4629	4685	4758	4825	4888	4940	4999	5052	5080	5119	5149	5200	5256	5284	5319	5358	5395	5426	1.3%
Fuel Efficiency (Gasoline Equivalent)																									
Medium																									
Diesel	7.60	7.69	7.73	7.79	7.84	7.87	7.91	7.98	8.01	8.05	8.10	8.11	8.16	8.19	8.22	8.25	8.29	8.32	8.35	8.38	8.42	8.45	8.49	8.53	0.5%
Gasoline	7.53	7.54	7.53	7.55	7.51	7.56	7.52	7.55	7.54	7.56	7.60	7.60	7.64	7.67	7.69	7.72	7.76	7.81	7.86	7.91	7.97	8.03	8.09	8.16	0.4%
Liquid Petroleum Gas	7.66	7.57	7.53	7.57	7.60	7.57	7.55	7.57	7.58	7.61	7.64	7.68	7.73	7.77	7.82	7.87	7.92	7.97	8.03	8.08	8.14	8.20	8.27	8.33	0.4%
Compressed Natural Gas	7.83	7.75	7.66	7.71	7.66	7.56	7.54	7.54	7.56	7.58	7.60	7.62	7.64	7.66	7.68	7.70	7.72	7.75	7.77	7.79	7.81	7.83	7.86	7.88	0.0%
Medium Average	7.58	7.64	7.66	7.72	7.75	7.78	7.81	7.87	7.89	7.93	7.98	8.00	8.05	8.08	8.11	8.15	8.18	8.22	8.26	8.29	8.33	8.37	8.41	8.46	0.5%
Heavy																									
Diesel	5.10	5.15	5.19	5.23	5.27	5.32	5.36	5.41	5.46	5.50	5.54	5.57	5.62	5.65	5.67	5.70	5.72	5.74	5.76	5.77	5.79	5.81	5.82	5.84	0.6%
Gasoline	5.68	5.66	5.62	5.59	5.59	5.60	5.58	5.57	5.57	5.58	5.58	5.59	5.61	5.63	5.65	5.67	5.70	5.74	5.77	5.81	5.85	5.89	5.94	5.98	0.2%
Liquid Petroleum Gas	5.60	5.69	5.75	5.97	6.08	6.22	6.38	6.56	6.72	6.90	7.00	7.13	7.26	7.38	7.47	7.57	7.65	7.73	7.80	7.86	7.91	7.95	7.99	8.02	1.6%
Compressed Natural Gas	6.02	6.12	6.19	6.34	6.56	6.77	6.95	7.10	7.22	7.31	7.36	7.40	7.44	7.46	7.48	7.50	7.51	7.53	7.54	7.54	7.55	7.56	7.56	7.56	1.0%
Heavy Average	5.10	5.16	5.19	5.23	5.28	5.32	5.36	5.42	5.46	5.51	5.54	5.58	5.62	5.65	5.68	5.70	5.72	5.75	5.76	5.78	5.80	5.81	5.83	5.85	0.6%
Average	5.61	5.65	5.67	5.70	5.73	5.77	5.80	5.84	5.88	5.92	5.96	5.99	6.03	6.06	6.08	6.11	6.13	6.15	6.17	6.19	6.21	6.23	6.25	6.27	0.5%

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020	
Stock (millions)																										
Medium																										
Diesel	1.25	1.32	1.35	1.38	1.42	1.46	1.49	1.51	1.54	1.57	1.60	1.63	1.65	1.67	1.68	1.70	1.71	1.73	1.75	1.76	1.77	1.79	1.80	1.81	1.6%	
Gasoline	1.99	1.88	1.76	1.65	1.56	1.46	1.37	1.29	1.22	1.15	1.08	1.02	0.97	0.92	0.87	0.83	0.79	0.76	0.73	0.70	0.67	0.65	0.63	0.61	-5.0%	
Liquid Petroleum Gas	0.06	0.06	0.06	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	0.06	0.06	0.06	0.06	0.06	0.06	-0.3%	
Compressed Natural Gas	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.07	9.7%	
Medium Subtotal	3.31	3.27	3.18	3.10	3.04	2.98	2.93	2.87	2.82	2.79	2.75	2.73	2.70	2.68	2.65	2.63	2.61	2.60	2.59	2.58	2.57	2.56	2.56	2.55	-1.1%	
Heavy																										
Diesel	2.53	2.66	2.69	2.75	2.84	2.92	2.98	3.03	3.10	3.17	3.24	3.30	3.35	3.40	3.44	3.48	3.52	3.56	3.61	3.65	3.68	3.71	3.75	3.78	1.8%	
Gasoline	0.31	0.28	0.26	0.24	0.22	0.21	0.19	0.18	0.16	0.15	0.14	0.14	0.13	0.12	0.11	0.11	0.10	0.10	0.10	0.09	0.09	0.09	0.08	0.08	-5.6%	
Liquid 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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	2.6%
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	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.05	13.2%	
Heavy Subtotal	2.84	2.95	2.97	3.01	3.08	3.13	3.18	3.23	3.28	3.35	3.40	3.46	3.51	3.56	3.59	3.63	3.67	3.71	3.76	3.79	3.82	3.86	3.90	3.93	1.4%	
Total Stock	6.16	6.22	6.15	6.11	6.12	6.12	6.11	6.10	6.11	6.14	6.16	6.19	6.21	6.23	6.24	6.26	6.27	6.31	6.35	6.37	6.39	6.42	6.45	6.48	0.2%	
New Trucks by Size Class																										
Fuel Efficiency (gasoline equivalent)																										
Medium																										
Diesel	8.24	8.25	8.26	8.27	8.30	8.33	8.36	8.40	8.44	8.47	8.51	8.54	8.58	8.61	8.64	8.67	8.71	8.75	8.79	8.83	8.88	8.93	8.99	9.04	0.4%	
Gasoline	8.49	8.51	8.52	8.53	8.57	8.61	8.65	8.69	8.73	8.78	8.82	8.87	8.91	8.96	9.00	9.05	9.10	9.15	9.21	9.27	9.33	9.39	9.46	9.54	0.5%	
Liquid Petroleum Gas	7.64	7.66	7.68	7.71	7.75	7.79	7.85	7.91	7.98	8.06	8.13	8.20	8.27	8.33	8.40	8.46	8.53	8.59	8.66	8.73	8.81	8.90	8.99	9.08	0.8%	
Compressed Natural Gas	7.43	7.47	7.49	7.52	7.54	7.56	7.58	7.60	7.62	7.65	7.67	7.70	7.73	7.76	7.79	7.81	7.84	7.87	7.91	7.94	7.98	8.02	8.06	8.10	0.4%	
Medium Average	8.26	8.28	8.28	8.29	8.32	8.35	8.38	8.41	8.44	8.47	8.51	8.54	8.57	8.60	8.63	8.66	8.70	8.74	8.78	8.83	8.88	8.93	8.98	9.04	0.4%	
Heavy																										
Diesel	5.58	5.61	5.63	5.66	5.71	5.77	5.84	5.92	5.99	6.00	6.02	6.03	6.04	6.05	6.05	6.06	6.07	6.07	6.08	6.09	6.11	6.12	6.13	6.15	0.4%	
Gasoline	6.58	6.61	6.62	6.65	6.70	6.73	6.75	6.78	6.80	6.82	6.83	6.85	6.86	6.88	6.89	6.90	6.91	6.93	6.94	6.96	6.98	7.01	7.04	7.08	0.3%	
Liquid Petroleum Gas	7.53	7.55	7.58	7.61	7.65	7.70	7.75	7.83	7.91	8.01	8.10	8.19	8.27	8.33	8.38	8.42	8.45	8.46	8.46	8.46	8.47	8.47	8.47	8.47	0.5%	
Compressed Natural Gas	7.11	7.19	7.25	7.30	7.35	7.39	7.43	7.47	7.50	7.52	7.53	7.55	7.56	7.57	7.59	7.60	7.60	7.61	7.62	7.63	7.63	7.64	7.64	7.65	0.3%	
Heavy Average	5.58	5.61	5.63	5.66	5.71	5.78	5.85	5.92	5.99	6.01	6.03	6.04	6.05	6.06	6.06	6.07	6.08	6.09	6.09	6.11	6.12	6.13	6.14	6.16	0.4%	
Average	5.91	6.02	6.05	6.05	6.12	6.18	6.25	6.33	6.39	6.42	6.43	6.45	6.47	6.47	6.47	6.49	6.50	6.52	6.53	6.54	6.57	6.59	6.60	6.62	0.5%	
Sales (millions)																										
Medium																										
Diesel	0.07	0.13	0.09	0.09	0.11	0.11	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.11	0.11	0.12	0.11	0.11	0.11	0.11	0.11	1.9%	
Gasoline	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.03	0.03	0.02	-0.6%	
Liquid 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	0.00	0.00	0.00	2.1%	
Compressed Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	18.6%	
Medium Subtotal	0.10	0.17	0.12	0.13	0.15	0.14	0.14	0.14	0.14	0.15	0.14	0.15	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.14	0.14	0.15	0.15	0.15	1.5%	
Heavy																										
Diesel	0.20	0.26	0.17	0.20	0.23	0.22	0.21	0.21	0.22	0.23	0.23	0.23	0.22	0.23	0.22	0.22	0.22	0.23	0.24	0.23	0.23	0.24	0.24	0.24	0.7%	
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	0.00	0.00	0.00	0.9%	
Liquid 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	0.00	0.00	0.00	5.2%	
Compressed Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.8%	
Heavy Subtotal	0.20	0.26	0.17	0.20	0.23	0.22	0.22	0.21	0.23	0.24	0.23	0.24	0.23	0.24	0.23	0.23	0.23	0.24	0.25	0.24	0.24	0.25	0.25	0.25	0.8%	
Total Sales	0.31	0.43	0.29	0.33	0.38	0.36	0.35	0.35	0.37	0.39	0.37	0.39	0.37	0.38	0.36	0.37	0.37	0.39	0.41	0.38	0.38	0.40	0.40	0.39	1.0%	

Table 55. Freight Transportation Energy Use																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Railroads																									
Ton Miles by Rail (billion ton miles)	1229	1268	1283	1305	1342	1360	1375	1389	1411	1443	1466	1485	1502	1519	1549	1565	1579	1598	1620	1646	1665	1682	1704	1719	1.5%
Fuel Efficiency (TM per thousand Btu)	2.73	2.74	2.76	2.77	2.79	2.80	2.81	2.83	2.84	2.86	2.87	2.89	2.90	2.91	2.93	2.94	2.96	2.97	2.99	3.00	3.02	3.03	3.05	3.06	0.5%
Fuel Consumption (trillion Btu)																									
Diesel (distillate)	450.1	462.1	465.2	470.6	481.7	485.5	488.4	491.0	496.2	505.2	510.7	514.6	517.7	521.1	528.8	531.7	533.6	537.5	542.1	547.8	551.6	554.5	558.7	560.9	1.0%
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	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	0.00	0.00	0.00	N/A
Domestic Shipping																									
Ton Miles Shipping (billion ton miles)	756.5	767.9	771.2	778.8	790.0	797.4	806.1	813.7	825.5	837.9	849.0	858.9	869.1	879.5	888.8	897.9	905.9	917.5	928.3	935.8	944.0	951.8	958.5	964.0	1.1%
Fuel Efficiency (TM per thousand Btu)	2.44	2.45	2.46	2.48	2.49	2.50	2.51	2.53	2.54	2.55	2.56	2.58	2.59	2.60	2.62	2.63	2.64	2.66	2.67	2.68	2.70	2.71	2.72	2.74	0.5%
Fuel Consumption (trillion Btu)																									
Diesel (distillate)	218.0	220.4	220.5	221.6	223.6	224.6	225.9	226.9	229.0	231.3	233.2	234.8	236.4	238.0	239.3	240.5	241.5	243.3	245.0	245.7	246.6	247.4	247.9	248.1	0.6%
Residual Oil	92.11	92.87	92.49	92.93	93.79	94.20	94.75	95.16	96.07	97.02	97.81	98.46	99.13	99.81	100.4	100.9	101.3	102.1	102.7	103.1	103.4	103.8	104.0	104.1	0.5%
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	0.00	0.00	0.00	N/A
International Shipping																									
Gross Trade (billion 1987 dollars)	1646	1754	1844	1974	2114	2261	2435	2617	2825	3046	3284	3531	3796	4081	4344	4591	4851	5128	5438	5747	6059	6380	6718	7072	6.5%
Exports (billion 1987 dollars)	726	729	746	809	889	967	1048	1137	1241	1350	1465	1582	1706	1834	1949	2054	2164	2280	2401	2521	2642	2763	2880	2998	6.4%
Imports (billion 1987 dollars)	919	1025	1098	1166	1226	1294	1387	1480	1583	1696	1819	1949	2091	2247	2395	2536	2687	2848	3038	3225	3417	3618	3838	4075	6.7%
Fuel Consumption (trillion Btu)																									
Diesel (distillate)	66.21	69.04	71.00	73.47	75.98	78.50	81.41	84.27	87.43	90.66	94.00	97.33	100.8	104.4	107.6	110.4	113.4	116.4	119.8	123.0	126.2	129.3	132.6	136.0	3.2%
Residual Oil	648.7	506.1	621.6	643.2	665.2	687.2	712.7	737.7	765.4	793.7	822.9	852.1	882.4	913.7	941.6	966.8	992.5	1019	1049	1077	1104	1132	1161	1190	2.7%

VMT = Vehicle Miles Traveled

MPG = Miles per gallon.

Btu = British thermal unit.

N/A = Not applicable.

Sources: 1997 derived using: Oak Ridge National Laboratory, Transportation Energy Data Book: 12, 13, 14, 15, 16, and 17 (August 1997); 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, "Truck Inventory and U.S. Survey," TC92-T-52, (Washington, DC, May 1995); Federal Highway Administration, Highway Statistics 1996 (Washington, DC, November 1997); and Energy Information Administration (EIA), AEO99 National Energy Modeling System run AEO99B.D100198A. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 56. New Light-Duty Vehicle Fuel Economy (Miles per Gallon)																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
LPG Bi-Fuel																										
Minivan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Subcompact Cars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Compact Cars	30.06	29.51	29.96	30.12	30.30	30.56	30.90	31.16	31.34	31.59	31.83	32.03	32.23	32.41	32.64	32.74	32.84	32.82	32.81	32.80	32.67	32.63	32.59	32.52	0.3%	
Midsize Cars	28.41	28.14	28.54	28.70	28.85	29.11	29.37	29.50	29.70	29.96	30.23	30.44	30.70	30.93	31.21	31.34	31.48	31.52	31.55	31.57	31.48	31.49	31.49	31.46	0.4%	
Large Cars	26.58	26.54	26.85	27.01	27.11	27.39	27.84	27.99	28.20	28.48	28.77	29.01	29.24	29.53	29.86	30.16	30.48	30.63	30.69	30.75	30.73	30.78	30.81	30.83	0.6%	
2-Seater Cars	28.48	28.72	29.25	29.56	29.84	30.30	30.89	31.16	31.62	32.16	32.65	33.02	33.38	33.72	34.07	34.18	34.30	34.40	34.54	34.65	34.68	34.75	34.85	34.89	0.9%	
Small Pickup	24.90	24.52	24.66	24.69	24.62	24.69	24.87	24.89	24.89	24.94	25.04	25.12	25.18	25.27	25.37	25.44	25.52	25.57	25.65	25.69	25.77	25.90	26.01	26.04	0.2%	
Large Pickup	18.41	18.27	18.29	18.32	18.31	18.33	18.39	18.34	18.43	18.59	18.73	18.81	18.93	19.10	19.26	19.39	19.51	19.63	19.74	19.88	19.97	20.09	20.23	20.34	0.4%	
Small Van	22.57	22.21	22.34	22.38	22.36	22.45	22.64	22.68	22.73	22.86	23.02	23.15	23.26	23.39	23.52	23.61	23.72	23.81	23.91	23.97	24.04	24.17	24.27	24.33	0.3%	
Large Van	17.91	17.88	18.04	18.15	18.21	18.41	18.69	18.75	18.95	19.21	19.48	19.68	19.85	20.07	20.28	20.44	20.57	20.70	20.83	20.97	21.10	21.25	21.42	21.57	0.8%	
Small Utility	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Large Utility	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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																										
Minivan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Subcompact Cars	37.21	36.95	36.55	36.32	36.00	35.77	38.85	42.23	46.74	52.41	59.74	59.45	59.15	58.92	58.68	58.45	58.24	58.04	57.85	57.65	57.40	57.28	57.16	57.04	1.9%	
Compact Cars	32.32	32.12	31.80	31.62	31.38	31.21	33.91	36.92	40.89	45.88	52.33	52.10	51.89	51.70	51.52	51.37	51.24	51.10	51.03	50.91	50.72	50.63	50.59	50.51	2.0%	
Midsize Cars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Large Cars	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
2-Seater Cars	29.99	29.82	29.57	29.38	29.12	28.95	31.43	34.21	37.85	42.43	48.35	48.11	47.88	47.68	47.48	47.30	47.12	46.96	46.86	46.73	46.56	46.50	46.44	46.36	1.9%	
Small Pickup	28.49	28.26	28.01	27.76	27.44	27.20	29.48	32.03	35.33	39.48	44.90	44.49	44.12	43.76	43.43	43.10	42.82	42.55	42.32	42.11	41.88	41.72	41.57	41.39	1.6%	
Large Pickup	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Small Van	24.23	24.09	23.95	23.79	23.53	23.37	25.38	27.63	30.51	34.14	38.86	38.54	38.22	37.94	37.71	37.45	37.20	36.97	36.75	36.57	36.36	36.22	36.09	35.94	1.7%	
Large Van	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Small Utility	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Large Utility	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Diesel-Electric Hybrid																										
Minivan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Subcompact Cars	60.08	60.38	60.60	60.82	60.62	60.90	61.30	60.95	60.64	60.67	60.98	61.27	61.45	61.60	61.82	62.05	62.22	62.30	62.43	62.51	62.79	63.03	63.11	62.97	0.2%	
Compact Cars	50.30	50.59	50.87	51.06	50.91	51.16	51.57	51.28	51.05	51.13	51.45	51.72	51.88	52.02	52.21	52.40	52.55	52.62	52.72	52.80	53.04	53.25	53.33	53.22	0.2%	
Midsize Cars	47.48	47.76	48.00	48.17	48.01	48.21	48.48	48.15	48.05	48.20	48.61	48.98	49.28	49.56	49.85	50.11	50.33	50.50	50.67	50.80	51.12	51.40	51.57	51.53	0.4%	
Large Cars	44.28	44.45	44.61	44.76	44.63	44.87	45.27	45.07	45.08	45.35	45.88	46.32	46.74	47.17	47.57	47.92	48.22	48.50	48.74	48.93	49.34	49.66	49.89	49.91	0.5%	
2-Seater Cars	45.83	46.10	46.34	46.51	46.36	46.57	46.90	46.66	46.80	47.16	47.83	48.43	49.01	49.60	50.11	50.57	50.99	51.40	51.77	52.04	52.58	53.03	53.38	53.49	0.7%	
Small Pickup	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Large Pickup	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Small Van	37.09	37.19	37.32	37.40	37.20	37.34	37.61	37.38	37.27	37.38	37.66	37.88	38.03	38.20	38.38	38.50	38.61	38.67	38.73	38.75	38.91	39.05	39.10	38.98	0.2%	
Large Van	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Small Utility	34.67	34.80	35.00	35.09	34.92	35.09	35.45	35.30	35.30	35.47	35.80	36.08	36.31	36.55	36.77	36.92	37.06	37.19	37.30	37.36	37.56	37.73	37.81	37.73	0.4%	
Large Utility	28.12	28.21	28.45	28.56	28.44	28.64	29.00	28.92	28.99	29.26	29.64	29.91	30.13	30.39	30.62	30.79	30.93	31.07	31.19	31.28	31.47	31.64	31.73	31.66	0.5%	

Table 57. New Light-Duty Vehicle Prices (Thousands 1990 Dollars)																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020	
LPG Bi-Fuel																										
Minicompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Compact Cars	19.8	19.8	19.9	19.9	20.0	20.0	20.0	20.2	20.3	20.3	20.3	20.2	20.3	20.3	20.3	20.3	20.4	20.5	20.5	20.6	20.7	20.8	20.9	21.0	0.3%	
Midsize Cars	23.3	23.0	23.2	23.1	23.2	23.3	23.3	23.6	23.6	23.7	23.7	23.6	23.6	23.6	23.7	23.7	23.8	23.8	23.8	23.9	24.0	24.1	24.2	24.3	0.2%	
Large Cars	24.6	24.8	25.1	25.1	25.3	25.3	25.3	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.7	25.7	25.7	25.7	25.8	25.8	0.2%	
2-Seater Cars	20.4	20.5	20.9	20.9	21.1	21.1	21.1	21.4	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.6	21.6	21.6	21.7	21.7	21.8	21.8	0.3%	
Small Pickup	18.2	18.4	18.5	18.6	18.7	18.7	18.7	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.1	19.1	19.1	19.2	19.2	19.3	19.4	19.4	19.5	0.3%	
Large Pickup	22.6	22.6	22.7	22.7	22.8	22.9	22.9	23.1	23.1	23.1	23.1	23.1	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.1	23.1	23.2	0.1%	
Small Van	24.1	24.3	24.5	24.6	24.7	24.7	24.7	25.0	25.0	24.9	24.9	24.9	24.9	25.0	25.0	25.0	25.0	25.1	25.1	25.2	25.2	25.3	25.4	25.4	0.2%	
Large Van	22.8	22.9	22.9	23.0	23.1	23.2	23.2	23.5	23.5	23.4	23.4	23.4	23.4	23.3	23.3	23.3	23.3	23.2	23.3	23.3	23.3	23.3	23.3	23.4	23.4	0.1%
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Electric																										
Minicompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Subcompact Cars	28.1	28.0	28.1	28.0	28.0	27.8	18.1	18.8	19.1	19.4	19.7	19.5	19.2	19.0	18.8	18.6	18.5	18.3	18.2	18.2	18.3	18.3	18.4	18.4	-1.8%	
Compact Cars	32.9	32.7	32.8	32.7	32.6	32.4	22.8	23.5	23.9	24.2	24.5	24.2	24.0	23.7	23.4	23.2	23.0	22.9	22.7	22.7	22.8	22.9	22.9	22.9	-1.5%	
Midsize Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Large Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
2-Seater Cars	33.9	33.8	33.9	33.7	33.7	33.4	27.4	27.7	27.8	27.8	27.2	26.6	26.0	25.4	24.9	24.4	24.0	23.8	23.8	23.9	24.0	24.0	24.0	24.0	-1.5%	
Small Pickup	31.6	31.4	31.5	31.4	31.3	31.1	25.4	26.4	26.9	27.5	28.1	27.9	27.6	27.3	27.2	27.1	27.1	27.0	26.9	27.2	27.5	27.9	28.2	28.7	-0.4%	
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Small Van	38.6	38.4	38.5	38.3	38.2	37.9	33.1	34.7	36.0	37.3	38.6	38.3	37.9	37.5	37.4	37.3	37.4	37.4	38.0	38.5	38.7	38.8	38.9	38.9	0.0%	
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Diesel-Electric Hybrid																										
Minicompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Subcompact Cars	39.4	39.4	39.7	39.7	39.8	39.8	25.2	25.3	25.3	25.2	25.1	25.1	25.0	25.0	25.0	25.0	25.0	25.0	25.1	25.1	25.2	25.3	25.3	25.3	-1.9%	
Compact Cars	46.3	46.3	46.6	46.7	46.8	46.7	29.7	29.8	29.7	29.6	29.5	29.5	29.4	29.3	29.3	29.2	29.2	29.2	29.3	29.4	29.5	29.5	29.5	29.6	-1.9%	
Midsize Cars	52.0	52.0	52.3	52.3	52.5	52.4	32.9	33.0	32.8	32.7	32.6	32.4	32.3	32.2	32.2	32.1	32.1	32.0	32.0	32.1	32.1	32.2	32.3	32.3	-2.0%	
Large Cars	56.4	56.4	56.7	56.7	56.8	56.7	34.8	34.9	34.7	34.5	34.4	34.2	34.1	33.9	33.8	33.7	33.7	33.6	33.6	33.6	33.7	33.7	33.8	33.8	-2.2%	
2-Seater Cars	48.6	48.6	48.9	48.9	49.0	49.0	30.5	30.6	30.5	30.3	30.2	30.1	30.0	29.9	29.8	29.7	29.6	29.6	29.6	29.7	29.7	29.8	29.8	29.8	-2.1%	
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Small Van	56.8	56.8	57.1	57.1	57.2	57.1	34.4	34.5	34.3	34.1	34.0	33.8	33.7	33.5	33.4	33.3	33.3	33.2	33.2	33.3	33.3	33.4	33.5	33.5	-2.3%	
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Small Utility	59.5	59.5	59.6	59.7	59.8	59.7	36.2	34.9	33.5	32.5	31.7	31.1	30.7	30.4	30.3	30.2	30.2	30.2	30.2	30.4	30.6	30.8	31.0	31.1	-2.8%	
Large Utility	67.7	67.8	67.8	67.8	67.9	67.8	39.2	39.2	39.0	38.7	38.5	38.3	38.1	37.8	37.7	37.5	37.4	37.4	37.3	37.3	37.4	37.4	37.5	37.5	-2.5%	

Table 57. New Light-Duty Vehicle Prices (Thousands 1990 Dollars)																						1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020
Fuel Cell Methanol																																														
Minicompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A																				
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A																			
Compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74.6	68.0	62.3	57.4	53.2	49.5	46.4	43.7	41.4	39.4	37.7	36.2	35.0	34.0	33.0	32.2	N/A	N/A																				
Midsize Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	83.9	76.4	69.9	64.3	59.4	55.2	51.6	48.6	45.9	43.7	41.7	40.1	38.7	37.4	36.4	35.5	N/A	N/A																				
Large Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.9	83.5	76.2	70.0	64.5	59.8	55.8	52.3	49.4	46.9	44.6	42.8	41.2	39.8	38.6	37.6	N/A	N/A																				
2-Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.0	72.0	65.9	60.6	56.0	52.0	48.6	45.7	43.2	41.1	39.2	37.6	36.3	35.1	34.1	33.2	N/A	N/A																				
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79.9	72.5	66.1	60.5	55.7	51.5	47.8	44.7	42.0	39.7	37.7	36.0	34.5	33.2	32.1	31.2	N/A	N/A																				
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A																				
Small Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94.2	85.6	78.1	71.6	66.0	61.2	57.0	53.3	50.3	47.6	45.3	43.3	41.6	40.1	38.8	37.7	N/A	N/A																				
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A																				
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A																				
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A																				
Fuel Cell Hydrogen																																														
Minicompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A																				
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A																				
Compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.3	60.7	56.8	53.4	50.4	47.9	45.7	43.8	42.2	40.9	39.7	38.7	37.9	37.1	36.5	36.0	N/A	N/A																				
Midsize Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.5	67.3	62.8	58.9	55.5	52.6	50.1	48.0	46.2	44.6	43.3	42.1	41.2	40.3	39.6	39.0	N/A	N/A																				
Large Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78.5	72.7	67.6	63.3	59.5	56.2	53.4	51.0	49.0	47.2	45.7	44.4	43.3	42.4	41.6	40.9	N/A	N/A																				
2-Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68.5	63.6	59.4	55.7	52.5	49.8	47.4	45.4	43.7	42.2	40.9	39.8	38.9	38.1	37.4	36.8	N/A	N/A																				
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A																				
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A																				
Small Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.0	74.0	68.8	64.3	60.4	57.0	54.1	51.6	49.4	47.6	46.0	44.6	43.5	42.5	41.6	40.8	N/A	N/A																				
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A																				
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A																				
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A																				
Fuel Cell Gasoline																																														
Minicompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A																				
Subcompact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A																				
Compact Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.8	74.3	67.8	62.1	57.2	53.0	49.4	46.2	43.6	41.3	39.3	37.6	36.2	35.0	33.9	33.0	N/A	N/A																				
Midsize Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92.2	83.5	76.1	69.6	64.0	59.2	55.0	51.5	48.4	45.8	43.6	41.6	39.9	38.2	36.7	35.5	N/A	N/A																				
Large Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	101.3	91.6	83.2	75.9	69.7	64.2	59.6	55.6	52.2	49.3	46.7	44.5	42.7	41.1	39.7	38.6	N/A	N/A																				
2-Seater Cars	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86.9	78.8	71.7	65.6	60.4	55.8	51.9	48.5	45.6	43.1	41.0	39.2	37.6	36.2	35.1	34.1	N/A	N/A																				
Small Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A																				
Large Pickup	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A																				
Small Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104.0	94.0	85.4	77.9	71.5	65.9	61.0	56.8	53.3	50.2	47.5	45.2	43.3	41.6	40.1	38.8	N/A	N/A																				
Large Van	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A																				
Small Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A																				
Large Utility	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	N/A																				

N/A = Not applicable.

Sources: 1997 derived using: Energy and Environmental Analysis Inc., Updates to the Fuels Economy Model, prepared for Energy Information Administration (EIA) (Washington, DC, June 1998); and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projection: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 58. New Light-Duty Vehicle Range (Miles)																							1997-2020		
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Methanol Flex																									
Minicompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Subcompact Cars	259	254	260	261	263	266	269	272	274	276	278	279	281	281	283	283	283	282	282	281	281	280	280	280	0.3%
Compact Cars	252	247	252	253	255	258	261	264	266	269	271	273	274	275	277	277	276	276	276	276	275	275	274	274	0.4%
Midsize Cars	261	259	263	265	267	269	272	274	277	280	283	285	286	288	290	290	291	291	291	291	291	291	291	291	0.5%
Large Cars	289	288	292	294	295	299	304	306	309	312	316	319	322	326	331	331	332	333	334	334	334	335	336	336	0.7%
2-Seater Cars	246	248	252	255	258	261	267	269	273	278	282	285	288	291	294	295	296	297	298	299	299	300	301	301	0.9%
Small Pickup	236	233	234	235	234	235	236	237	237	237	239	239	240	242	243	244	245	246	247	248	248	249	250	249	0.2%
Large Pickup	231	229	229	230	229	230	230	230	231	233	235	236	238	240	242	244	246	248	250	252	253	255	258	257	0.5%
Small Van	252	247	249	250	249	250	253	253	254	255	257	259	260	262	264	265	267	268	270	271	271	272	273	273	0.4%
Large Van	249	249	251	253	253	256	260	261	264	267	271	274	277	280	283	286	288	290	293	295	297	300	303	303	0.9%
Small Utility	232	230	233	234	234	235	237	238	239	240	242	244	246	248	250	251	253	254	256	257	257	258	260	259	0.5%
Large Utility	273	270	272	274	274	277	281	282	285	289	293	296	298	302	306	308	310	312	315	317	319	321	324	324	0.7%
Ethanol																									
Minicompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Subcompact Cars	346	339	347	349	351	355	359	363	365	368	371	373	374	375	377	377	377	376	376	376	374	374	374	373	0.3%
Compact Cars	336	330	336	338	340	344	348	352	355	358	361	364	366	367	369	369	369	368	368	368	366	366	366	365	0.4%
Midsize Cars	348	345	351	353	356	359	363	366	369	373	377	380	382	384	387	387	387	387	388	388	387	388	388	387	0.5%
Large Cars	385	384	389	392	393	398	405	408	412	417	422	426	430	435	441	442	443	444	445	446	446	447	447	448	0.7%
2-Seater Cars	328	330	336	340	343	349	355	359	364	370	376	380	384	388	392	393	395	396	397	399	399	400	401	402	0.9%
Small Pickup	315	310	313	313	312	313	315	316	316	317	318	319	321	322	324	325	327	328	330	331	331	332	333	332	0.2%
Large Pickup	307	305	305	306	306	306	307	307	308	311	313	315	317	320	323	326	328	330	333	336	338	340	344	343	0.5%
Small Van	335	330	332	333	333	334	337	338	338	340	343	345	347	350	352	354	356	358	360	361	362	363	364	364	0.4%
Large Van	332	332	335	337	338	342	347	348	352	357	362	365	369	374	378	381	384	387	390	394	396	400	404	404	0.9%
Small Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Ethanol Flex																									
Minicompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Subcompact Cars	332	326	333	335	337	341	344	349	350	353	356	358	360	360	362	362	362	361	361	361	360	359	359	358	0.3%
Compact Cars	322	317	322	325	327	330	334	338	341	344	347	350	351	352	355	355	354	353	353	353	352	352	351	351	0.4%
Midsize Cars	335	332	337	339	341	345	349	351	354	358	362	365	367	369	372	372	372	372	373	373	372	372	372	372	0.5%
Large Cars	370	369	374	376	378	382	389	392	396	400	405	409	413	418	423	424	425	426	427	428	428	429	430	430	0.7%
2-Seater Cars	315	317	323	327	330	335	341	344	350	356	361	365	369	373	377	378	379	380	382	383	383	384	385	386	0.9%
Small Pickup	303	298	300	301	300	301	303	304	303	304	305	307	308	309	311	312	314	315	317	318	318	319	320	319	0.2%
Large Pickup	295	293	293	294	294	294	295	294	296	298	301	302	304	307	310	313	315	317	320	323	324	327	330	329	0.5%
Small Van	322	317	319	320	319	321	323	324	325	327	329	331	333	336	338	340	342	344	346	347	347	348	350	349	0.4%
Large Van	319	319	321	324	325	328	333	334	338	342	347	351	354	359	363	366	369	372	375	378	381	384	388	388	0.9%
Small Utility	297	295	298	300	299	301	304	305	305	307	310	312	315	317	320	322	324	325	327	329	329	331	332	332	0.5%
Large Utility	349	346	348	350	351	355	359	361	365	370	375	378	382	387	392	395	397	400	403	406	408	411	415	414	0.7%

Table 58. New Light-Duty Vehicle Range (Miles)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
LPG Bi-Fuel																									
Minicompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Subcompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Compact Cars	353	347	353	356	358	362	367	371	373	377	381	383	385	386	389	389	388	387	387	387	386	386	385	384	0.4%
Midsize Cars	367	363	369	372	374	378	382	385	388	392	397	400	402	404	407	408	408	408	409	409	408	408	408	408	0.5%
Large Cars	405	404	410	412	414	419	427	430	434	439	444	448	452	458	464	465	466	467	468	469	469	470	471	471	0.7%
2-Seater Cars	345	348	354	358	361	367	374	377	383	390	396	400	404	408	413	414	415	417	418	420	420	421	422	423	0.9%
Small Pickup	332	327	329	329	329	330	332	333	333	333	335	336	337	339	341	342	344	345	347	348	348	349	350	350	0.2%
Large Pickup	324	321	322	322	322	322	323	323	324	327	330	331	334	337	340	343	345	348	351	353	355	358	362	361	0.5%
Small Van	353	347	350	350	350	352	354	355	356	358	361	363	365	368	371	372	375	376	379	381	381	382	383	383	0.4%
Large Van	350	349	352	355	356	360	365	366	370	375	381	385	388	393	398	402	404	408	411	414	417	421	425	425	0.9%
Small Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Electric																									
Minicompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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	80	80	80	N/A
Midsize Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
2-Seater Cars	80	80	80	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	80	80	80	N/A
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	80	80	80	N/A
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Diesel-Electric Hybrid																									
Minicompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Subcompact Cars	591	580	593	596	601	607	613	621	624	629	634	637	641	642	645	645	644	643	643	643	641	640	640	638	0.3%
Compact Cars	574	564	574	578	582	588	596	602	607	612	618	623	625	628	631	631	631	629	629	629	627	627	626	625	0.4%
Midsize Cars	596	591	600	604	608	614	621	626	631	637	644	649	653	657	662	663	663	663	664	664	663	663	663	663	0.5%
Large Cars	658	657	666	670	673	681	693	699	704	713	721	728	735	744	754	756	758	759	761	763	763	764	765	766	0.7%
2-Seater Cars	560	565	576	582	587	596	608	613	623	633	643	650	657	664	671	673	675	677	680	682	683	684	686	687	0.9%
Small Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Van	574	564	568	569	569	571	576	577	578	582	586	590	594	598	602	605	609	612	616	618	618	621	623	622	0.4%
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Utility	530	526	530	533	533	535	541	542	544	547	552	556	560	565	570	573	576	579	583	586	586	589	592	592	0.5%
Large Utility	622	616	620	624	626	632	640	642	649	658	667	674	680	689	698	703	707	712	718	723	727	732	739	738	0.7%

Table 58. New Light-Duty Vehicle Range (Miles)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Fuel Cell Methanol																									
Minicompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Subcompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Compact Cars	442	434	442	445	448	452	458	463	467	471	476	479	481	483	486	486	485	484	484	484	482	482	481	480	0.4%
Midsize Cars	458	454	462	465	468	473	478	481	485	490	496	499	503	506	509	510	510	510	511	511	510	510	510	510	0.5%
Large Cars	506	506	512	515	518	524	533	537	542	548	555	560	565	572	580	581	583	584	586	587	587	588	589	589	0.7%
2-Seater Cars	431	435	443	447	452	459	468	472	479	487	494	500	505	511	516	518	519	521	523	525	525	526	528	528	0.9%
Small Pickup	415	409	411	412	411	412	415	416	416	417	418	420	422	424	426	428	430	431	434	435	435	436	438	437	0.2%
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Van	441	434	437	438	438	439	443	444	445	447	451	454	457	460	463	466	468	471	474	476	476	477	479	479	0.4%
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Fuel Cell Hydrogen																									
Minicompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Subcompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Compact Cars	442	434	442	445	448	452	458	463	467	471	476	479	481	483	486	486	485	484	484	484	482	482	481	480	0.4%
Midsize Cars	458	454	462	465	468	473	478	481	485	490	496	499	503	506	509	510	510	510	511	511	510	510	510	510	0.5%
Large Cars	506	506	512	515	518	524	533	537	542	548	555	560	565	572	580	581	583	584	586	587	587	588	589	589	0.7%
2-Seater Cars	431	435	443	447	452	459	468	472	479	487	494	500	505	511	516	518	519	521	523	525	525	526	528	528	0.9%
Small Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Van	441	434	437	438	438	439	443	444	445	447	451	454	457	460	463	466	468	471	474	476	476	477	479	479	0.4%
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Fuel Cell Gasoline																									
Minicompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Subcompact Cars	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Compact Cars	442	434	442	445	448	452	458	463	467	471	476	479	481	483	486	486	485	484	484	484	482	482	481	480	0.4%
Midsize Cars	458	454	462	465	468	473	478	481	485	490	496	499	503	506	509	510	510	510	511	511	510	510	510	510	0.5%
Large Cars	506	506	512	515	518	524	533	537	542	548	555	560	565	572	580	581	583	584	586	587	587	588	589	589	0.7%
2-Seater Cars	431	435	443	447	452	459	468	472	479	487	494	500	505	511	516	518	519	521	523	525	525	526	528	528	0.9%
Small Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Pickup	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Van	441	434	437	438	438	439	443	444	445	447	451	454	457	460	463	466	468	471	474	476	476	477	479	479	0.4%
Large Van	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Small Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A
Large Utility	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N/A

N/A = Not applicable.

Sources: 1997 derived using: Energy and Environmental Analysis Inc., Updates to the Fuels Economy Model, prepared for Energy Information Administration (EIA) (Washington, DC, June 1998); and and EIA, AEO99 National Energy Modeling System run AEO99B.D100198A. Projection: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 59. Electric Power Projections for EMM Region 01 - East Central Area Reliability Coordination Agreement																							1997-			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Electricity Generating Capacity 1/ (gigawatts)																										
Coal Steam	84.47	84.47	84.47	84.47	84.47	84.47	82.44	82.09	82.09	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	-0.1%
Other Fossil Steam 2/	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	N/A
Combined Cycle	0.43	0.43	0.43	0.74	0.74	0.74	0.87	1.34	1.87	2.49	3.12	3.43	3.84	4.49	5.19	6.10	6.96	7.79	9.40	11.46	13.47	14.44	15.34	16.58	17.2%	
Combustion Turbine/Diesel	8.34	13.24	14.21	14.90	15.11	15.46	16.12	16.94	17.94	18.37	18.57	19.01	19.85	20.63	21.46	21.72	22.07	22.93	24.80	25.42	25.96	26.22	27.03	27.20	5.3%	
Nuclear Power	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	6.78	4.09	4.09	4.09	4.09	4.09	4.09	4.09	3.09	1.99	0.82	0.00	0.00	0.00	0.00	0.00	N/A
Pumped Storage/Other 3/	3.28	3.28	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	1.6%
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	0.00	0.00	0.00	0.00	N/A
Renewable 4/	1.56	1.60	1.62	1.69	1.69	1.69	1.69	1.69	1.70	1.70	1.70	1.71	1.71	1.72	1.72	1.72	1.73	1.73	1.73	1.73	1.73	1.73	1.74	1.74	1.74	0.5%
Total Capability	109.34	114.28	116.73	117.80	118.01	118.36	117.11	118.06	119.60	119.56	117.70	118.45	119.72	121.14	122.68	123.85	125.06	125.75	128.14	129.65	131.38	132.61	134.33	135.74	0.9%	
Cumulative Planned Additions 5/																										
Coal Steam	0.07	0.07	0.07	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.13	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	N/A
Combustion Turbine/Diesel	0.00	0.49	0.92	1.61	1.82	2.17	2.45	2.80	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	3.27	36.5%
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	0.00	0.00	0.00	0.00	N/A
Pumped Storage/Other 3/	0.00	0.00	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	1.46	1.46	1.46	1.46	1.46	1.46	1.46	1.46	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	0.00	0.00	0.00	0.00	N/A
Renewable 4/	0.00	0.04	0.07	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	0.13	19.8%
Total (planned)	0.07	0.61	2.52	3.27	3.41	3.76	4.18	4.53	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	20.1%
Cumulative Unplanned Additions 5/																										
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	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	0.00	0.00	0.00	0.00	N/A
Combined Cycle	0.00	0.00	0.00	0.31	0.31	0.31	0.31	0.78	1.31	1.93	2.56	2.87	3.29	3.94	4.63	5.55	6.40	7.24	8.85	10.91	12.91	13.88	14.79	16.03	N/A	
Combustion Turbine/Diesel	3.45	7.86	8.41	8.41	8.41	8.41	8.87	9.34	9.88	10.31	10.51	10.95	11.79	12.57	13.40	13.66	14.02	14.87	16.75	17.36	17.90	18.17	18.98	19.15	7.7%	
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	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	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	0.00	0.00	0.00	0.00	N/A
Renewable 4/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.06	0.06	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	3.7%
Total (unplanned)	3.49	7.90	8.45	8.76	8.76	8.76	9.22	10.17	11.24	12.30	13.13	13.88	15.15	16.58	18.11	19.28	20.50	22.19	25.68	28.36	30.90	32.14	33.86	35.27	10.6%	
Cumulative Total Additions	3.57	8.51	10.96	12.03	12.17	12.52	13.40	14.70	16.23	17.29	18.12	18.87	20.14	21.57	23.10	24.28	25.49	27.18	30.67	33.35	35.90	37.13	38.85	40.26	11.1%	
Cumulative Retirements	1.24	1.24	1.24	1.24	1.24	1.24	3.37	3.72	3.72	4.81	7.51	7.51	7.51	7.51	7.51	7.51	7.51	8.51	9.61	10.78	11.60	11.60	11.60	11.60	10.2%	
Cogenerators 6/ Capacity																										
Coal	0.98	1.06	1.06	1.07	1.07	1.07	1.07	1.07	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.09	1.09	1.09	1.09	1.09	1.10	1.10	1.10	1.10	0.5%	
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	0.03	0.03	0.03	0.03	0.8%
Natural Gas	2.91	2.96	2.95	3.02	3.03	3.03	3.04	3.05	3.06	3.07	3.09	3.10	3.11	3.13	3.15	3.17	3.19	3.21	3.23	3.24	3.26	3.28	3.27	3.26	0.5%	
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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	1.5%
Renewables	0.88	0.96	0.96	0.97	0.99	0.99	1.00	1.00	1.01	1.03	1.04	1.04	1.06	1.06	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.13	1.14	1.15	1.1%	
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	0.00	0.00	0.00	0.00	N/A
Total	4.82	5.03	5.03	5.12	5.15	5.16	5.17	5.19	5.21	5.24	5.27	5.29	5.32	5.34	5.37	5.41	5.43	5.47	5.50	5.52	5.55	5.58	5.58	5.57	0.6%	

Table 59. Electric Power Projections for EMM Region 01 - East Central Area Reliability Coordination Agreement																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020
Electricity Demand (billion kilowatthours)																									
Residential	150.20	154.97	159.65	163.47	167.74	169.42	170.27	171.16	172.50	173.74	175.08	176.52	177.98	179.49	182.28	184.92	187.20	189.65	191.84	194.49	196.79	199.13	201.77	204.36	1.3%
Commercial/Other	134.61	138.89	141.67	143.99	146.21	148.40	149.91	151.48	153.37	155.02	156.79	158.67	160.50	162.31	164.44	166.71	168.40	170.12	171.52	172.84	173.81	174.57	175.32	175.85	1.2%
Industrial	205.75	208.23	208.05	208.51	211.74	214.08	215.45	217.17	220.75	224.44	226.89	229.03	231.36	233.44	234.89	237.47	239.26	242.06	245.53	247.15	249.70	252.01	253.78	255.26	0.9%
Transportation	2.35	2.38	2.40	2.45	2.49	2.54	3.14	3.68	4.17	4.60	4.96	5.31	5.67	6.02	6.33	6.59	6.84	7.10	7.36	7.61	7.87	8.11	8.34	8.57	5.8%
Total Sales	492.92	504.46	511.77	518.42	528.18	534.45	538.76	543.48	550.79	557.80	563.72	569.53	575.51	581.27	587.94	595.68	601.70	608.93	616.24	622.09	628.16	633.81	639.21	644.04	1.2%
Net Energy for Load (billion kwh) 7/																									
Gross International Imports	4.59	4.85	4.50	5.43	6.28	4.02	3.96	3.21	3.37	3.54	5.55	7.06	6.11	5.75	5.61	5.65	5.38	4.71	4.86	4.19	4.48	4.97	4.50	4.53	-0.1%
Gross International Exports	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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	1.1%
Gross Interregional Electric Imports	10.08	10.22	8.97	8.97	8.97	8.97	8.53	8.53	9.33	8.93	8.93	8.93	8.93	8.93	8.93	8.96	9.11	9.34	9.06	8.94	9.03	9.08	9.04	8.96	-0.5%
Gross Interregional Electric Exports	41.83	46.39	39.89	29.04	30.72	30.24	29.76	26.76	24.31	23.70	23.08	21.17	21.25	21.48	25.00	22.80	24.67	26.66	28.73	33.27	33.10	31.95	33.45	34.64	-0.8%
Purchases from cogenerators 6/	14.58	13.89	13.83	13.82	13.83	13.83	13.84	13.84	13.85	13.86	13.86	13.87	13.88	13.89	13.90	13.91	13.92	13.92	13.93	13.94	13.95	13.95	13.95	13.95	-0.2%
Generation by Utilities	532.76	558.84	561.48	556.49	567.38	575.45	579.68	582.05	586.07	592.73	595.98	598.30	605.26	611.56	621.87	627.37	635.28	644.92	654.43	665.94	671.79	676.10	683.82	690.17	1.1%
Total Net Energy for Load	520.14	541.37	548.85	555.63	565.71	572.00	576.21	580.84	588.27	595.31	601.20	606.96	612.89	618.62	625.27	633.04	638.97	646.18	653.51	659.69	666.11	672.11	677.82	682.92	1.2%
Generation by Fuel Type (billion kilowatthours)																									
Coal	477.61	479.75	493.17	494.17	503.92	510.92	513.61	512.01	511.59	514.21	517.82	528.49	529.96	529.37	533.63	532.03	534.72	537.09	543.59	543.52	546.49	550.24	550.04	552.48	0.6%
Petroleum	1.77	1.37	1.20	1.23	1.24	1.35	1.38	1.35	1.31	1.34	1.23	1.26	1.34	1.31	1.31	1.30	1.26	1.20	1.28	1.29	1.25	1.27	1.27	1.25	-1.5%
Natural Gas	2.28	24.46	12.81	6.53	7.29	7.96	9.29	13.09	17.37	22.09	28.46	35.43	40.70	47.50	53.43	60.41	65.57	72.93	88.55	101.44	113.12	119.76	127.68	131.61	19.3%
Nuclear	47.40	48.19	49.66	50.07	50.44	50.74	50.91	51.09	51.26	50.51	43.86	28.47	28.58	28.68	28.78	28.88	28.96	28.92	16.22	14.89	6.10	0.00	0.00	0.00	N/A
Pumped Storage/Other 3/	-1.39	-0.01	-0.44	-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	-0.86	-0.86	-0.86	-0.86	-2.1%
Renewable 4/	5.08	5.08	5.08	5.35	5.35	5.35	5.35	5.37	5.41	5.44	5.48	5.51	5.54	5.56	5.59	5.61	5.63	5.64	5.66	5.67	5.68	5.69	5.70	5.70	0.5%
Total Generation	532.76	558.84	561.48	556.49	567.38	575.45	579.68	582.05	586.07	592.73	595.98	598.30	605.26	611.56	621.87	627.37	635.28	644.92	654.43	665.94	671.79	676.10	683.82	690.17	1.1%
Sales to Customers	532.30	558.38	561.01	556.01	566.90	574.97	579.20	581.57	585.59	592.25	595.50	597.82	604.78	611.08	621.39	626.89	634.80	644.44	653.95	665.46	671.31	675.59	683.32	689.67	1.1%
Generation for Own Use	0.45	0.46	0.47	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	0.50	0.50	0.50	0.50	0.5%
Cogenerators																									
Coal	6.48	5.88	5.81	5.77	5.75	5.73	5.69	5.65	5.61	5.57	5.52	5.47	5.42	5.37	5.34	5.33	5.31	5.29	5.28	5.27	5.26	5.25	5.23	5.22	-0.9%
Petroleum	0.14	0.13	0.13	0.13	0.13	0.13	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	-0.0%
Natural Gas	19.93	19.32	19.26	19.39	19.50	19.45	19.51	19.58	19.66	19.77	19.89	20.02	20.13	20.27	20.43	20.61	20.76	20.93	21.06	21.21	21.34	21.48	21.43	21.31	0.3%
Other Gaseous Fuels	0.11	0.13	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	0.14	1.2%
Renewable	1.41	2.49	2.47	2.54	2.57	2.59	2.61	2.63	2.67	2.70	2.74	2.77	2.81	2.83	2.86	2.89	2.91	2.93	2.96	2.98	3.00	3.02	3.04	3.06	3.4%
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	0.00	0.00	0.00	N/A
Total	28.06	27.95	27.79	27.97	28.10	28.05	28.08	28.14	28.21	28.32	28.42	28.53	28.63	28.75	28.91	29.10	29.26	29.43	29.59	29.73	29.87	30.02	29.98	29.86	0.3%
Sales to Utilities	14.58	13.89	13.83	13.82	13.83	13.83	13.84	13.84	13.85	13.86	13.86	13.87	13.88	13.89	13.90	13.91	13.92	13.92	13.93	13.94	13.95	13.95	13.95	13.95	-0.2%
Generation for Own Use	15.13	15.88	15.82	16.20	16.38	16.38	16.44	16.54	16.69	16.87	17.05	17.23	17.40	17.58	17.79	18.02	18.22	18.45	18.66	18.84	19.02	19.21	19.20	19.11	1.0%
End-Use Prices (1997 cents per kilowatthour)																									
Residential	7.5	7.4	7.7	7.7	7.6	7.5	7.5	7.6	7.5	7.4	7.3	7.3	7.2	7.1	6.9	6.7	6.6	6.5	6.5	6.4	6.3	6.2	6.1	6.0	-1.0%
Commercial	6.8	6.9	7.1	7.1	7.0	6.9	6.9	7.0	6.9	6.8	6.7	6.7	6.6	6.5	6.3	6.1	6.0	5.9	5.8	5.7	5.7	5.6	5.5	5.5	-1.0%
Industrial	4.1	4.1	4.2	4.3	4.2	4.1	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.9	3.7	3.6	3.6	3.5	3.4	3.4	3.3	3.3	3.2	3.2	-1.2%
Transportation	5.1	5.0	5.0	5.0	5.0	4.9	5.0	5.0	5.0	4.9	4.8	4.8	4.7	4.7	4.5	4.4	4.3	4.2	4.1	4.1	4.0	3.9	3.9	3.8	-1.3%
All Sectors Average	5.9	5.9	6.1	6.1	6.0	6.0	6.0	6.0	6.0	5.9	5.8	5.8	5.7	5.6	5.4	5.3	5.2	5.1	5.0	5.0	4.9	4.8	4.8	4.7	-1.0%

Table 59. Electric Power Projections for EMM Region 01 - East Central Area Reliability Coordination Agreement																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Price Components (1997 cents per kilowatthour)																									
Capital Component	3.1	3.1	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.1	3.0	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.1	-1.6%
Fuel Component	1.3	1.3	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	1.2	1.2	1.2	1.2	1.2	1.2	1.2	-0.3%
O&M Component	1.7	1.7	1.7	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	-0.8%
Wholesale Power Cost	-0.1	-0.2	-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	-0.0	-7.6%
Total	5.9	5.9	6.1	6.1	6.0	6.0	6.0	6.0	6.0	5.9	5.8	5.8	5.7	5.6	5.4	5.3	5.2	5.1	5.0	5.0	4.9	4.8	4.8	4.7	-1.0%
Fuel Consumption (quadrillion Btu) 8/																									
Coal	4.85	4.88	5.02	5.02	5.13	5.21	5.24	5.22	5.22	5.24	5.28	5.39	5.43	5.42	5.47	5.45	5.48	5.50	5.57	5.57	5.60	5.64	5.64	5.66	0.7%
Natural Gas	0.05	0.29	0.15	0.06	0.07	0.08	0.10	0.12	0.15	0.18	0.23	0.29	0.33	0.38	0.41	0.46	0.48	0.53	0.63	0.71	0.78	0.83	0.87	0.89	13.7%
Oil	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	0.01	0.01	0.01	-2.4%
Total	4.92	5.18	5.18	5.10	5.21	5.30	5.35	5.36	5.38	5.44	5.52	5.70	5.77	5.81	5.89	5.92	5.97	6.04	6.22	6.29	6.39	6.48	6.53	6.57	1.3%
Emissions (million short tons) 9/																									
Total Carbon	125.74	131.15	132.72	131.63	134.73	137.02	138.03	138.00	138.32	139.45	141.16	145.01	146.30	146.87	148.54	148.78	149.87	151.24	154.57	155.68	157.54	159.23	159.94	160.84	1.1%
Carbon Dioxide	461.05	480.89	486.63	482.64	493.99	502.42	506.12	506.00	507.18	511.32	517.58	531.70	536.45	538.52	544.64	545.51	549.53	554.56	566.77	570.81	577.66	583.86	586.44	589.75	1.1%
Sulfur Dioxide	4.27	4.28	4.32	3.89	3.83	3.80	3.72	3.64	3.53	3.51	3.37	3.37	3.09	3.00	2.93	2.83	2.76	2.66	2.64	2.61	2.55	2.55	2.55	2.53	-2.3%
Nitrogen Oxide	1.53	1.55	1.58	1.12	1.14	1.16	0.85	0.85	0.85	0.86	0.86	0.89	0.89	0.90	0.90	0.90	0.90	0.91	0.93	0.93	0.94	0.95	0.95	0.95	-2.0%

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

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-867, Annual Nonutility Power Producer Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

2/ Includes oil-, gas-, and dual-fired capability.

3/ Other includes methane, propane gas, and blast furnace gas, 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/ Cumulative additions after December 31, 1996.

6/ Cogenerators produce electricity and another form of useful energy (such as steam or heat) through the sequential use of energy.

7/ Generation to meet system load by source.

8/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.

9/ 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.

Source: 1997 (except for prices and nonutility data) Energy Information Administration (EIA), Annual Energy Review 1997, DOE/EIA-0384(97) (Washington, DC, July 1998). Other 1997 and projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 60. Electric Power Projections for EMM Region 02 - Electric Reliability Council of Texas																							1997-2020			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Electricity Generating Capability 1/ (gigawatts)																										
Coal Steam	14.78	14.78	14.78	15.58	15.58	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.60	15.62	15.66	15.72	15.82	15.97	16.15	0.4%	
Other Fossil Steam 2/	29.68	29.68	29.68	29.65	29.53	29.49	26.23	23.16	22.77	20.45	18.34	15.67	13.57	13.57	13.57	13.57	13.57	13.36	13.36	13.36	13.36	13.36	13.36	13.36	13.36	-3.4%
Combined Cycle	0.79	0.79	0.79	1.02	1.24	1.80	3.05	7.03	9.07	10.83	12.53	12.96	15.12	15.88	16.76	17.76	18.67	19.81	20.83	22.01	23.16	23.98	24.58	25.37	16.3%	
Combustion Turbine/Diesel	6.11	6.47	6.70	7.03	7.59	8.58	10.31	12.32	12.86	12.86	12.86	12.97	13.64	14.23	14.77	14.77	14.92	15.71	16.48	16.49	16.51	16.53	16.68	16.71	4.5%	
Nuclear Power	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	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	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	0.00	0.00	0.00	N/A	
Renewable 4/	0.64	0.64	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.80	0.81	0.81	0.82	0.83	0.83	0.84	0.85	0.85	0.86	0.88	0.90	0.93	0.96	1.01	2.0%	
Total Capability	56.80	57.16	57.51	58.84	59.50	61.04	60.76	63.69	65.88	65.32	64.92	62.80	63.54	64.89	66.32	67.33	68.39	70.13	71.95	73.20	74.45	75.43	76.36	77.41	1.4%	
Cumulative Planned Additions 5/																										
Coal Steam	0.00	0.00	0.00	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	0.80	0.80	0.80	0.80	0.80	0.80	0.80	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	0.00	0.00	0.00	N/A	
Combined Cycle	0.06	0.06	0.06	0.06	0.06	0.25	0.25	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	9.0%
Combustion Turbine/Diesel	0.00	0.00	0.09	0.19	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	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	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	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	0.00	0.00	0.00	N/A	
Renewable 4/	0.00	0.00	0.11	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	N/A	
Total (planned)	0.06	0.06	0.26	1.16	1.25	1.43	1.43	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	1.62	15.4%	
Cumulative Unplanned Additions 5/																										
Coal Steam	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	0.02	0.04	0.08	0.14	0.24	0.39	0.57	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	0.00	0.00	0.00	N/A	
Combined Cycle	0.00	0.00	0.00	0.23	0.45	0.83	2.08	5.87	7.91	9.66	11.37	11.80	13.96	14.72	15.60	16.60	17.51	18.65	19.67	20.84	22.00	22.82	23.42	24.21	N/A	
Combustion Turbine/Diesel	3.44	3.80	3.95	4.18	4.65	5.64	7.37	9.38	9.93	9.93	10.04	10.71	11.29	11.83	11.83	11.98	12.77	13.54	13.56	13.57	13.60	13.75	13.77	13.77	6.2%	
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	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	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	0.00	0.00	0.00	N/A	
Renewable 4/	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.09	0.10	0.10	0.11	0.11	0.12	0.13	0.14	0.14	0.15	0.17	0.19	0.22	0.25	0.30	8.6%	
Total (unplanned)	3.49	3.85	4.00	4.47	5.16	6.54	9.53	15.34	17.92	19.69	21.40	21.95	24.79	26.14	27.56	28.57	29.63	31.58	33.40	34.64	35.90	36.88	37.81	38.85	11.1%	
Cumulative Total Additions																										
	3.55	3.91	4.26	5.63	6.41	7.98	10.96	16.96	19.54	21.31	23.02	23.57	26.41	27.76	29.18	30.19	31.25	33.20	35.02	36.27	37.52	38.50	39.43	40.47	11.2%	
Cumulative Retirements																										
	0.27	0.27	0.27	0.31	0.43	0.46	3.72	6.79	7.18	9.51	11.62	14.29	16.39	16.39	16.39	16.39	16.39	16.59	16.59	16.59	16.59	16.59	16.59	16.59	19.6%	
Cogenerators 6/ Capacity																										
Coal	0.24	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.6%	
Petroleum	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.2%	
Natural Gas	6.54	6.68	6.66	6.88	6.92	6.91	6.93	6.96	6.99	7.03	7.08	7.12	7.17	7.22	7.27	7.34	7.39	7.45	7.50	7.55	7.60	7.66	7.64	7.60	0.7%	
Other Gaseous Fuels	0.06	0.06	0.06	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	1.5%	
Renewables	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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	1.4%	
Other	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.9%	
Total	7.11	7.30	7.28	7.52	7.56	7.55	7.57	7.60	7.64	7.68	7.73	7.78	7.82	7.87	7.93	7.99	8.05	8.11	8.16	8.22	8.27	8.32	8.31	8.27	0.7%	

Table 60. Electric Power Projections for EMM Region 02 - Electric Reliability Council of Texas																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electricity Demand (billion kilowatthours)																									
Residential	83.11	85.75	88.34	90.83	93.51	94.67	95.56	96.29	97.31	98.52	99.80	101.20	102.60	104.05	106.34	108.36	110.34	112.36	114.26	116.12	117.83	119.64	121.42	123.38	1.7%
Commercial/Other	72.62	74.92	76.42	77.72	78.88	79.98	80.98	81.93	82.90	83.97	85.30	86.75	88.20	89.65	91.57	93.28	94.87	96.26	97.41	98.62	99.63	100.49	101.29	102.08	1.5%
Industrial	73.47	73.82	74.24	77.45	79.11	80.41	80.71	81.18	82.52	84.41	86.01	86.97	88.17	89.19	90.03	90.99	91.87	92.93	94.29	94.95	95.98	96.92	97.64	98.32	1.3%
Transportation	0.96	0.98	0.99	1.02	1.04	1.07	1.32	1.56	1.77	1.97	2.13	2.30	2.47	2.64	2.79	2.92	3.06	3.19	3.33	3.47	3.61	3.74	3.88	4.01	6.4%
Total Sales	230.16	235.47	239.99	247.03	252.54	256.13	258.57	260.96	264.50	268.86	273.24	277.22	281.43	285.53	290.73	295.55	300.14	304.75	309.28	313.16	317.05	320.79	324.22	327.79	1.5%
Net Energy for Load (billion kwh) 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	0.00	0.00	0.00	N/A
Gross International Exports	0.21	0.26	0.28	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	5.2%
Gross Interregional Electric Imports	0.60	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 Electric 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	0.00	0.00	0.00	N/A
Purchases from cogenerators 6/	23.51	25.60	25.59	25.50	25.54	25.54	25.57	25.60	25.63	25.67	25.71	25.75	25.79	25.84	25.88	25.93	25.97	26.01	26.05	26.09	26.12	26.15	26.15	26.13	0.5%
Generation by Utilities	225.13	228.70	233.76	241.22	246.92	250.58	252.98	255.29	258.88	263.31	267.76	271.77	276.05	280.21	285.46	290.29	294.89	299.49	304.04	308.09	312.15	316.06	319.68	323.47	1.6%
Total Net Energy for Load	249.03	254.42	259.07	266.41	272.12	275.77	278.16	280.46	284.06	288.49	292.94	296.96	301.22	305.38	310.67	315.55	320.19	324.84	329.42	333.51	337.60	341.55	345.17	348.93	1.5%
Generation by Fuel Type (billion kilowatthours)																									
Coal	103.27	106.51	106.09	110.36	111.39	111.45	111.47	111.49	111.49	111.49	111.49	111.49	111.49	111.49	111.49	111.49	111.49	111.61	111.73	112.00	112.44	113.18	114.24	115.50	0.5%
Petroleum	0.17	0.91	0.95	0.94	0.93	0.87	0.15	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.12	0.08	0.08	0.08	0.08	-3.0%
Natural Gas	82.89	87.96	91.89	94.34	98.40	101.44	104.36	106.51	109.91	114.18	118.59	122.56	126.79	130.92	136.13	140.93	145.50	149.96	154.32	158.04	161.52	164.50	166.84	169.02	3.1%
Nuclear	37.36	31.98	33.28	33.94	34.54	35.14	35.29	35.44	35.59	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	-0.2%
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 4/	1.45	1.35	1.55	1.63	1.65	1.68	1.71	1.74	1.79	1.84	1.88	1.92	1.96	2.00	2.04	2.07	2.10	2.13	2.16	2.25	2.40	2.59	2.81	3.15	3.4%
Total Generation	225.13	228.70	233.76	241.22	246.92	250.58	252.98	255.29	258.88	263.31	267.76	271.77	276.05	280.21	285.46	290.29	294.89	299.49	304.04	308.09	312.15	316.06	319.68	323.47	1.6%
Sales to Customers	225.06	228.63	233.69	241.15	246.85	250.51	252.92	255.28	258.87	263.30	267.75	271.77	276.04	280.21	285.45	290.29	294.88	299.49	304.04	308.09	312.15	316.06	319.68	323.46	1.6%
Generation for Own Use	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-12.0%
Cogenerators																									
Coal	3.20	1.95	1.93	1.92	1.91	1.90	1.88	1.86	1.85	1.83	1.80	1.78	1.76	1.73	1.72	1.72	1.71	1.70	1.70	1.69	1.68	1.68	1.67	1.67	-2.8%
Petroleum	1.84	1.61	1.61	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	-0.5%
Natural Gas	39.76	44.97	44.81	45.17	45.48	45.34	45.49	45.69	45.90	46.20	46.53	46.89	47.19	47.57	48.01	48.49	48.92	49.36	49.73	50.12	50.48	50.86	50.74	50.40	1.0%
Other Gaseous Fuels	0.43	0.51	0.51	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	1.2%
Renewable	0.25	0.26	0.26	0.26	0.27	0.27	0.28	0.28	0.29	0.30	0.30	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.35	0.36	0.36	1.6%
Other	0.65	0.67	0.67	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.2%
Total	46.13	49.96	49.78	50.21	50.52	50.37	50.51	50.69	50.90	51.19	51.49	51.84	52.13	52.49	52.92	53.40	53.82	54.27	54.64	55.02	55.38	55.76	55.64	55.29	0.8%
Sales to Utilities	23.51	25.60	25.59	25.50	25.54	25.54	25.57	25.60	25.63	25.67	25.71	25.75	25.79	25.84	25.88	25.93	25.97	26.01	26.05	26.09	26.12	26.15	26.15	26.13	0.5%
Generation for Own Use	30.01	31.50	31.39	32.14	32.50	32.48	32.62	32.82	33.11	33.47	33.82	34.17	34.51	34.87	35.29	35.75	36.15	36.60	37.01	37.37	37.74	38.10	38.09	37.91	1.0%
End-Use Prices (1997 cents per kilowatthour)																									
Residential	8.4	8.2	8.1	8.0	7.9	7.8	7.9	8.0	8.0	7.9	7.9	7.8	7.7	7.7	7.4	7.3	7.2	7.0	6.9	6.8	6.7	6.7	6.6	6.5	-1.1%
Commercial	7.1	6.9	6.8	6.7	6.6	6.6	6.6	6.6	6.7	6.8	6.7	6.7	6.6	6.6	6.4	6.2	6.1	6.1	6.0	5.9	5.8	5.7	5.7	5.6	-1.0%
Industrial	4.3	4.2	4.2	4.1	4.1	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.8	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3	3.3	-1.2%
Transportation	4.3	4.3	4.2	4.2	4.2	4.1	4.2	4.2	4.2	4.2	4.1	4.1	4.0	4.0	3.8	3.7	3.7	3.6	3.5	3.5	3.5	3.4	3.4	3.3	-1.2%
All Sectors Average	6.7	6.5	6.5	6.3	6.3	6.2	6.2	6.3	6.3	6.3	6.3	6.2	6.2	6.1	5.9	5.8	5.7	5.6	5.5	5.4	5.4	5.3	5.3	5.2	-1.1%

Table 60. Electric Power Projections for EMM Region 02 - Electric Reliability Council of Texas																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020	
Price Components (1997 cents per kilowatthour)																										
Capital Component	3.4	3.3	3.2	3.1	3.1	3.0	3.1	3.3	3.3	3.3	3.2	3.2	3.1	3.0	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.4	2.3	2.3	-1.6%	
Fuel Component	1.6	1.5	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	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-0.3%	
O&M Component	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	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	-0.7%	
Wholesale Power Cost	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	0.2	0.2	0.2	-1.8%	
Total	6.7	6.5	6.5	6.3	6.3	6.2	6.2	6.3	6.3	6.3	6.3	6.2	6.2	6.1	5.9	5.8	5.7	5.6	5.5	5.4	5.4	5.3	5.3	5.2	-1.1%	
Fuel Consumption (quadrillion Btu) 8/																										
Coal	1.12	1.15	1.15	1.19	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.21	1.22	1.23	0.4%	
Natural Gas	0.88	0.90	0.94	0.97	1.00	1.01	0.99	0.91	0.90	0.92	0.92	0.95	0.96	0.98	1.01	1.04	1.07	1.09	1.11	1.13	1.14	1.16	1.17	1.18	1.3%	
Oil	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.0%	
Total	2.00	2.06	2.10	2.16	2.21	2.22	2.19	2.11	2.10	2.11	2.12	2.15	2.16	2.18	2.21	2.24	2.27	2.29	2.31	2.33	2.35	2.37	2.39	2.41	0.8%	
Emissions (million short tons) 9/																										
Total Carbon	42.78	44.25	44.73	46.09	46.85	47.01	46.51	45.35	45.20	45.36	45.48	45.86	45.97	46.28	46.70	47.09	47.46	47.75	48.06	48.34	48.64	49.00	49.38	49.76	0.7%	
Carbon Dioxide	156.87	162.24	164.02	169.00	171.80	172.37	170.55	166.28	165.74	166.33	166.75	168.15	168.54	169.69	171.23	172.67	174.01	175.08	176.24	177.25	178.36	179.67	181.07	182.46	0.7%	
Sulfur Dioxide	0.40	0.41	0.41	0.40	0.41	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.41	0.40	0.40	0.41	0.40	0.41	0.42	0.42	0.42	0.42	0.42	0.41	0.1%	
Nitrogen Oxide	0.45	0.34	0.34	0.34	0.34	0.34	0.33	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	0.29	0.29	-2.0%	

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

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-867, Annual Nonutility Power Producer Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

2/ Includes oil-, gas-, and dual-fired capability.

3/ Other includes methane, propane gas, and blast furnace gas, 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/ Cumulative additions after December 31, 1996.

6/ Cogenerators produce electricity and another form of useful energy (such as steam or heat) through the sequential use of energy.

7/ Generation to meet system load by source.

8/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.

9/ 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.

Source: 1997 (except for prices and nonutility data) Energy Information Administration (EIA), Annual Energy Review 1997, DOE/EIA-0384(97) (Washington, DC, July 1998). Other 1997 and projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 61. Electric Power Projections for EMM Region 03 - Mid-Atlantic Area Council																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020	
Electricity Generating Capability 1/ (gigawatts)																										
Coal Steam	18.50	18.50	18.50	18.50	18.46	18.46	18.46	18.46	18.41	18.41	18.41	18.41	18.41	18.41	18.41	18.41	18.41	18.41	18.41	18.42	18.43	18.44	18.45	18.45	-0.0%	
Other Fossil Steam 2/	8.76	8.76	8.76	8.76	8.76	8.76	5.59	4.03	4.03	3.38	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	2.53	-5.3%	
Combined Cycle	1.80	1.80	1.80	3.27	4.07	5.93	6.87	8.46	10.19	10.80	12.38	12.75	12.88	13.65	15.32	16.11	17.24	18.90	20.61	21.24	21.90	22.42	22.42	22.54	11.6%	
Combustion Turbine/Diesel	9.59	9.80	10.47	11.02	11.15	11.75	12.41	13.15	13.15	13.15	13.22	13.22	13.30	13.30	13.50	13.88	14.20	14.53	15.15	15.15	15.69	15.69	15.69	15.69	2.2%	
Nuclear Power	12.81	12.81	12.81	12.19	12.19	12.19	12.19	12.19	12.19	11.08	11.08	11.08	11.08	9.97	9.97	9.97	8.88	6.23	6.23	5.39	5.39	5.39	5.39	5.39	-3.7%	
Pumped Storage/Other 3/	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	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	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	0.00	0.00	0.00	N/A	
Renewable 4/	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.03	2.04	2.05	2.06	2.07	2.10	2.11	2.12	2.12	0.2%	
Total Capability	54.79	55.01	55.68	57.08	57.97	60.43	58.85	59.63	61.32	60.18	61.20	61.58	61.79	61.45	63.34	64.52	64.87	64.21	66.57	66.38	67.61	68.16	68.17	68.06	0.9%	
Cumulative Planned Additions 5/																										
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	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	0.00	0.00	0.00	N/A	
Combined Cycle	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	0.43	0.43	0.43	0.43	N/A	
Combustion Turbine/Diesel	0.00	0.01	0.01	0.56	0.70	1.30	1.95	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	31.8%	
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	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	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	0.00	0.00	0.00	N/A	
Renewable 4/	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.0%	
Total (planned)	0.47	0.48	0.48	1.03	1.16	1.76	2.42	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	3.17	8.6%	
Cumulative Unplanned Additions 5/																										
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	0.01	0.02	0.03	0.04	0.04	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	0.00	0.00	0.00	N/A	
Combined Cycle	0.00	0.00	0.00	1.48	2.28	4.13	5.07	6.66	8.40	9.01	10.58	10.96	11.09	11.85	13.53	14.32	15.44	17.10	18.82	19.44	20.11	20.62	20.62	20.75	N/A	
Combustion Turbine/Diesel	0.83	1.03	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.77	1.77	1.85	1.85	2.05	2.43	2.75	3.08	3.70	3.70	4.24	4.24	4.24	4.24	7.4%	
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	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	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	0.00	0.00	0.00	N/A	
Renewable 4/	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	0.28	0.28	0.29	0.30	0.32	0.33	0.35	0.37	0.38	0.38	1.6%	
Total (unplanned)	1.09	1.30	1.97	3.45	4.24	6.10	7.04	8.63	10.37	10.98	12.62	12.99	13.20	13.96	15.86	17.03	18.48	20.48	22.84	23.48	24.72	25.26	25.28	25.40	14.7%	
Cumulative Total Additions	1.56	1.78	2.45	4.47	5.41	7.86	9.46	11.80	13.53	14.14	15.78	16.16	16.36	17.13	19.02	20.20	21.65	23.65	26.00	26.65	27.88	28.43	28.45	28.57	13.5%	
Cumulative Retirements	1.72	1.72	1.72	2.34	2.38	2.38	5.55	7.11	7.16	8.91	9.53	9.53	9.53	10.63	10.63	10.63	11.73	14.38	14.38	15.22	15.22	15.22	15.22	15.46	10.0%	
Cogenerators 6/ Capacity																										
Coal	1.62	1.70	1.70	1.70	1.70	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.72	1.72	1.72	1.72	1.72	1.72	1.73	1.73	1.73	1.73	1.73	1.73	0.3%	
Petroleum	0.29	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	0.31	0.31	0.31	0.31	0.31	0.31	0.2%	
Natural Gas	2.85	2.88	2.88	2.93	2.94	2.94	2.94	2.95	2.96	2.97	2.98	2.99	3.00	3.01	3.03	3.04	3.06	3.07	3.09	3.10	3.11	3.12	3.12	3.11	0.4%	
Other Gaseous Fuels	0.07	0.07	0.07	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	1.5%	
Renewables	0.20	0.22	0.22	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	0.25	0.25	1.0%	
Other	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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.9%	
Total	5.06	5.20	5.19	5.28	5.30	5.30	5.31	5.32	5.33	5.35	5.36	5.37	5.39	5.40	5.42	5.44	5.46	5.48	5.50	5.51	5.53	5.54	5.54	5.53	0.4%	

Table 61. Electric Power Projections for EMM Region 03 - Mid-Atlantic Area Council																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020	
Electricity Demand (billion kilowatthours)																										
Residential	83.00	85.63	88.22	91.27	94.47	96.13	97.37	98.53	100.01	101.31	102.70	104.13	105.24	106.40	108.13	109.60	111.07	112.27	113.72	115.23	116.55	117.90	119.62	121.32	1.7%	
Commercial/Other	81.59	84.18	85.87	87.46	88.67	89.87	90.82	91.66	92.82	93.74	94.87	96.10	97.07	97.98	99.13	100.11	101.03	101.67	102.38	102.74	103.16	103.38	104.00	104.41	1.1%	
Industrial	69.43	69.92	69.94	70.23	71.22	72.16	72.58	73.11	74.30	75.55	76.69	77.84	78.67	79.68	80.25	80.94	81.47	82.25	83.43	83.54	84.26	84.95	85.40	85.74	0.9%	
Transportation	1.43	1.45	1.46	1.49	1.51	1.54	1.91	2.24	2.54	2.80	3.03	3.24	3.46	3.67	3.87	4.03	4.18	4.35	4.51	4.66	4.82	4.97	5.12	5.27	5.8%	
Total Sales	235.45	241.17	245.49	250.45	255.87	259.70	262.67	265.55	269.67	273.40	277.28	281.31	284.44	287.73	291.38	294.68	297.75	300.54	304.04	306.18	308.79	311.21	314.15	316.73	1.3%	
Net Energy for Load (billion kwh) 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	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	0.00	0.00	0.00	N/A	
Gross Interregional Electric Imports	32.48	30.51	27.95	27.48	25.81	22.14	22.25	18.85	15.11	15.46	14.04	13.46	14.53	14.34	14.86	12.88	13.36	14.39	13.96	14.73	15.09	14.88	16.04	18.89	-2.3%	
Gross Interregional Electric Exports	10.05	11.23	11.04	10.75	10.00	8.92	8.89	8.85	9.12	8.25	8.37	8.12	7.69	7.84	8.33	9.09	8.87	8.73	9.61	9.83	11.42	11.81	10.84	9.47	-0.3%	
Purchases from cogenerators 6/	17.70	17.22	17.21	17.13	17.17	17.17	17.19	17.21	17.24	17.27	17.31	17.34	17.37	17.41	17.44	17.48	17.51	17.55	17.58	17.60	17.63	17.66	17.66	17.64	-0.0%	
Generation by Utilities	212.56	224.72	231.52	236.90	243.41	249.90	252.69	258.88	267.08	269.60	275.03	279.41	280.99	284.60	288.19	294.16	296.47	297.98	302.76	304.45	308.42	311.56	312.54	311.07	1.7%	
Total Net Energy for Load	252.70	261.21	265.65	270.76	276.39	280.29	283.24	286.10	290.32	294.08	298.01	302.09	305.20	308.50	312.16	315.43	318.46	321.19	324.69	326.95	329.72	332.29	335.39	338.13	1.3%	
Generation by Fuel Type (billion kilowatthours)																										
Coal	110.24	108.24	112.40	114.92	115.08	112.38	111.06	108.55	105.56	107.14	106.20	107.83	108.15	106.89	108.71	108.84	108.90	109.44	110.89	110.79	111.62	112.37	112.87	114.35	0.2%	
Petroleum	5.81	7.61	7.05	4.93	4.24	3.01	2.13	1.55	1.18	1.32	1.11	1.25	1.27	1.26	1.17	1.01	0.91	0.97	0.93	0.87	0.87	0.86	0.89	0.89	-7.8%	
Natural Gas	7.66	10.56	11.58	20.14	26.96	37.16	42.14	51.40	63.17	66.77	78.60	81.55	83.12	88.34	97.75	103.99	107.79	121.89	136.30	139.16	146.89	149.27	149.74	146.89	13.7%	
Nuclear	84.62	88.04	90.59	86.69	86.91	87.12	87.14	87.16	86.95	84.14	78.89	78.56	78.22	77.88	70.25	69.96	68.45	55.19	44.03	42.94	38.20	38.10	38.01	37.91	-3.4%	
Pumped Storage/Other 3/	-0.67	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-23.0%	
Renewable 4/	4.89	10.28	9.90	10.23	10.23	10.23	10.23	10.23	10.23	10.23	10.23	10.23	10.23	10.23	10.30	10.37	10.42	10.50	10.62	10.69	10.85	10.96	11.03	11.03	3.6%	
Total Generation	212.56	224.72	231.52	236.90	243.41	249.90	252.69	258.88	267.08	269.60	275.03	279.41	280.99	284.60	288.19	294.16	296.47	297.98	302.76	304.45	308.42	311.56	312.54	311.07	1.7%	
Sales to Customers	211.56	223.72	230.52	235.90	242.41	248.90	251.72	257.92	266.12	268.63	274.06	278.44	280.02	283.63	287.22	293.19	295.50	297.02	301.79	303.48	307.45	310.59	311.57	310.10	1.7%	
Generation for Own Use	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	-0.1%	
Cogenerators																										
Coal	9.40	10.24	10.19	10.17	10.15	10.12	10.08	10.03	9.99	9.94	9.88	9.82	9.76	9.71	9.68	9.66	9.64	9.63	9.61	9.60	9.59	9.57	9.56	9.54	0.1%	
Petroleum	0.67	1.07	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	1.06	1.06	1.07	1.07	1.07	1.07	1.07	1.07	2.0%	
Natural Gas	14.40	12.75	12.73	12.82	12.88	12.85	12.88	12.92	12.96	13.02	13.08	13.15	13.21	13.29	13.37	13.46	13.55	13.64	13.71	13.78	13.85	13.93	13.90	13.84	-0.2%	
Other Gaseous Fuels	0.52	0.62	0.62	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	1.2%	
Renewable	1.32	1.29	1.30	1.32	1.34	1.36	1.37	1.39	1.41	1.44	1.46	1.48	1.51	1.53	1.55	1.56	1.58	1.60	1.62	1.63	1.65	1.66	1.67	1.68	1.1%	
Other	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.2%	
Total	26.38	26.05	25.98	26.12	26.18	26.15	26.15	26.16	26.18	26.22	26.25	26.28	26.31	26.35	26.42	26.52	26.59	26.68	26.76	26.84	26.91	26.98	26.96	26.89	0.1%	
Sales to Utilities	17.70	17.22	17.21	17.13	17.17	17.17	17.19	17.21	17.24	17.27	17.31	17.34	17.37	17.41	17.44	17.48	17.51	17.55	17.58	17.60	17.63	17.66	17.66	17.64	-0.0%	
Generation for Own Use	4.63	4.86	4.84	4.96	5.01	5.01	5.03	5.06	5.11	5.16	5.22	5.27	5.32	5.38	5.44	5.52	5.58	5.65	5.71	5.77	5.82	5.88	5.88	5.85	1.0%	
End-Use Prices (1997 cents per kilowatthour)																										
Residential	10.1	9.7	9.4	9.1	8.9	8.6	8.4	8.3	8.2	8.1	8.1	8.1	8.2	8.2	8.2	8.1	7.9	8.2	8.0	8.0	7.9	7.9	7.8	7.8	-1.1%	
Commercial	8.6	8.4	8.1	7.8	7.6	7.2	7.1	7.0	6.8	6.8	6.7	6.7	6.7	6.6	6.5	6.4	6.2	6.4	6.2	6.1	6.0	6.0	6.0	6.0	-1.6%	
Industrial	6.8	6.6	6.4	6.4	6.2	6.1	6.0	5.7	5.4	5.2	5.0	4.9	4.9	4.9	4.8	4.7	4.6	4.7	4.5	4.5	4.5	4.4	4.4	4.5	-1.8%	
Transportation	6.2	6.1	6.0	5.8	5.7	5.5	5.5	5.3	5.2	5.2	5.1	5.0	5.1	5.1	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.9	-1.0%	
All Sectors Average	8.6	8.3	8.1	7.9	7.7	7.4	7.3	7.1	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.5	6.4	6.6	6.4	6.3	6.3	6.3	6.2	6.3	-1.4%	

Table 61. Electric Power Projections for EMM Region 03 - Mid-Atlantic Area Council																									1997- 2020
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Price Components (1997 cents per kilowatthour)																									
Capital Component	5.1	5.0	4.8	4.6	4.4	4.1	4.0	3.9	3.7	3.6	3.5	3.4	3.5	3.4	3.5	3.3	3.2	3.4	3.2	3.1	3.1	3.0	3.0	3.1	-2.2%
Fuel Component	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.6%
O&M Component	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	-1.2%
Wholesale Power Cost	0.4	0.3	0.3	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	0.1	0.1	0.1	0.1	0.1	-4.0%
Total	8.6	8.3	8.1	7.9	7.7	7.4	7.3	7.1	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.5	6.4	6.6	6.4	6.3	6.3	6.3	6.2	6.3	-1.4%
Fuel Consumption (quadrillion Btu) 8/																									
Coal	1.11	1.10	1.15	1.19	1.19	1.16	1.15	1.12	1.09	1.10	1.09	1.11	1.12	1.10	1.12	1.12	1.12	1.13	1.15	1.15	1.15	1.16	1.17	1.18	0.3%
Natural Gas	0.08	0.12	0.13	0.18	0.23	0.30	0.32	0.38	0.46	0.48	0.56	0.58	0.59	0.63	0.69	0.72	0.75	0.84	0.93	0.95	1.00	1.01	1.02	1.00	11.7%
Oil	0.06	0.09	0.08	0.06	0.05	0.03	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-7.9%
Total	1.26	1.31	1.36	1.43	1.48	1.49	1.49	1.52	1.56	1.60	1.67	1.71	1.72	1.74	1.82	1.86	1.88	1.98	2.09	2.10	2.16	2.18	2.19	2.19	2.4%
Emissions (million short tons) 9/																									
Total Carbon	30.43	32.29	33.36	34.81	35.40	35.23	35.02	34.99	35.21	36.04	36.90	37.70	37.95	38.08	39.42	39.98	40.25	41.81	43.60	43.76	44.70	45.10	45.30	45.41	1.8%
Carbon Dioxide	111.58	118.38	122.33	127.63	129.79	129.16	128.42	128.31	129.10	132.15	135.30	138.23	139.15	139.64	144.56	146.59	147.59	153.30	159.85	160.44	163.91	165.35	166.11	166.49	1.8%
Sulfur Dioxide	1.29	1.34	1.39	0.68	0.68	0.66	0.64	0.62	0.51	0.58	0.50	0.51	0.50	0.48	0.48	0.48	0.47	0.47	0.50	0.51	0.55	0.55	0.56	0.57	-3.5%
Nitrogen Oxide	0.30	0.32	0.33	0.28	0.29	0.28	0.21	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.24	0.24	0.24	-0.9%

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

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-867, Annual Nonutility Power Producer Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

2/ Includes oil-, gas-, and dual-fired capability.

3/ Other includes methane, propane gas, and blast furnace gas, 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/ Cumulative additions after December 31, 1996.

6/ Cogenerators produce electricity and another form of useful energy (such as steam or heat) through the sequential use of energy.

7/ Generation to meet system load by source.

8/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.

9/ 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.

Source: 1997 (except for prices and nonutility data) Energy Information Administration (EIA), Annual Energy Review 1997, DOE/EIA-0384(97) (Washington, DC, July 1998). Other 1997 and projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020	
Electricity Generating Capability 1/ (gigawatts)																										
Coal Steam	27.68	27.68	27.68	27.65	27.67	27.67	27.67	27.76	27.76	27.76	27.76	27.77	27.77	27.77	27.78	27.80	27.83	27.90	27.96	28.06	28.17	28.27	28.42	28.70	0.2%	
Other Fossil Steam 2/	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.65	3.53	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	1.29	1.29	-5.5%
Combined Cycle	0.02	0.02	0.02	1.25	1.25	1.51	1.51	1.65	1.86	2.40	2.66	2.81	2.87	3.07	3.38	3.89	4.15	5.02	5.34	5.84	6.20	6.31	7.36	7.52	30.1%	
Combustion Turbine/Diesel	11.25	13.50	14.42	14.58	14.66	16.26	17.17	18.15	18.93	19.02	19.08	19.10	19.17	19.43	19.62	20.56	20.85	21.66	21.92	22.35	22.35	22.53	22.88	22.93	3.1%	
Nuclear Power	14.80	12.72	12.72	12.72	12.72	12.72	11.57	11.57	11.57	10.80	10.80	10.80	10.80	10.80	10.80	10.02	10.02	10.02	9.51	9.51	9.51	9.51	9.51	9.51	9.51	-1.9%
Pumped Storage/Other 3/	0.35	0.35	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	2.0%	
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	0.00	0.00	0.00	N/A	
Renewable 4/	0.75	0.75	0.76	0.80	0.80	0.80	0.80	0.80	0.82	0.82	0.82	0.83	0.83	0.84	0.85	0.87	0.89	0.93	0.95	0.98	1.01	1.03	1.07	1.13	1.8%	
Total Capability	59.60	59.77	60.91	62.30	62.41	64.26	64.02	65.14	65.03	64.36	64.68	64.87	65.00	65.47	65.20	66.70	67.30	68.57	69.22	70.29	70.78	71.21	71.08	71.64	0.8%	
Cumulative Planned Additions 5/																										
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	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	0.00	0.00	0.00	N/A	
Combined Cycle	0.02	0.02	0.02	0.02	0.02	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	12.7%
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.09	1.68	2.25	2.86	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	36.2%
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	0.00	0.00	0.00	N/A	
Pumped Storage/Other 3/	0.00	0.00	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	0.21	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	0.00	0.00	0.00	N/A	
Renewable 4/	0.00	0.00	0.02	0.05	0.05	0.05	0.05	0.05	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	18.8%	
Total (planned)	0.02	0.02	0.24	0.28	0.36	2.22	2.78	3.39	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	4.09	4.09	25.5%	
Cumulative Unplanned Additions 5/																										
Coal Steam	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.06	0.08	0.15	0.21	0.32	0.42	0.53	0.68	0.96	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	0.00	0.00	0.00	N/A	
Combined Cycle	0.00	0.00	0.00	1.23	1.23	1.23	1.23	1.38	1.58	2.12	2.39	2.54	2.60	2.80	3.10	3.61	3.88	4.74	5.06	5.57	5.92	6.04	7.08	7.25	N/A	
Combustion Turbine/Diesel	7.25	9.52	10.57	10.57	10.57	10.57	10.93	11.30	11.50	11.64	11.70	11.72	11.79	12.10	12.24	13.19	13.47	14.29	14.54	14.97	14.97	15.16	15.50	15.55	3.4%	
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	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	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	0.00	0.00	0.00	N/A	
Renewable 4/	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	0.02	0.04	0.06	0.11	0.12	0.15	0.19	0.21	0.25	0.30	N/A	
Total (unplanned)	7.25	9.52	10.57	11.80	11.82	11.82	12.18	12.70	13.10	13.78	14.11	14.29	14.43	14.94	15.41	16.90	17.50	19.29	19.94	21.01	21.50	21.93	23.51	24.06	5.4%	
Cumulative Total Additions	7.27	9.54	10.81	12.08	12.19	14.04	14.96	16.09	17.19	17.87	18.19	18.38	18.52	19.03	19.49	20.98	21.58	23.38	24.02	25.10	25.59	26.02	27.60	28.15	6.1%	
Cumulative Retirements	0.12	2.20	2.20	2.23	2.23	2.23	3.44	3.49	4.16	4.99	4.99	4.99	4.99	4.99	5.77	5.77	5.77	6.29	6.29	6.29	6.29	6.29	7.99	7.99	20.0%	
Cogenerators 6/ Capacity																										
Coal	0.32	0.35	0.35	0.35	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	0.37	0.37	0.37	0.37	0.37	0.37	0.6%	
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	0.02	0.02	0.02	0.3%	
Natural Gas	0.49	0.50	0.50	0.51	0.51	0.51	0.51	0.51	0.51	0.52	0.52	0.52	0.52	0.52	0.53	0.53	0.53	0.54	0.54	0.54	0.54	0.55	0.54	0.54	0.4%	
Other Gaseous Fuels	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.5%	
Renewables	0.19	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.24	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	0.00	0.00	0.00	0.9%	
Total	1.02	1.08	1.08	1.10	1.10	1.10	1.11	1.11	1.11	1.12	1.13	1.13	1.14	1.14	1.15	1.15	1.16	1.16	1.17	1.17	1.18	1.18	1.18	1.18	0.6%	

Table 62. Electric Power Projections for EMM Region 04 - Mid-America Interconnected Network																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Electricity Demand (billion kilowatthours)																										
Residential	66.09	68.19	70.25	71.88	73.69	74.31	74.56	74.83	75.30	75.70	76.15	76.63	77.16	77.73	78.82	79.95	80.89	81.92	82.78	83.87	84.81	85.77	86.83	87.87	1.2%	
Commercial/Other	74.77	77.14	78.68	79.80	80.85	81.92	82.57	83.28	84.17	84.88	85.65	86.47	87.30	88.13	89.09	90.24	91.02	91.86	92.48	93.11	93.53	93.84	94.13	94.30	1.0%	
Industrial	86.72	87.86	87.73	87.91	89.27	90.21	90.80	91.53	93.04	94.59	95.55	96.39	97.35	98.17	98.74	99.84	100.57	101.76	103.20	103.93	105.00	105.96	106.71	107.34	0.9%	
Transportation	1.08	1.10	1.11	1.13	1.15	1.17	1.44	1.69	1.91	2.11	2.27	2.43	2.59	2.75	2.89	3.00	3.12	3.23	3.35	3.46	3.57	3.68	3.78	3.88	5.7%	
Total Sales	228.66	234.28	237.77	240.71	244.96	247.61	249.37	251.34	254.42	257.27	259.62	261.92	264.39	266.77	269.54	273.03	275.60	278.77	281.82	284.37	286.90	289.25	291.44	293.39	1.1%	
Net Energy for Load (billion kwh) 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	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	0.00	0.00	0.00	N/A	
Gross Interregional Electric Imports	19.07	16.86	13.92	9.91	9.05	8.52	10.83	10.78	11.72	12.32	12.16	12.10	12.86	12.49	14.86	15.23	15.40	15.51	15.78	15.36	15.26	15.08	13.72	13.14	-1.6%	
Gross Interregional Electric Exports	10.74	8.94	10.03	12.68	11.80	9.42	7.96	6.01	5.60	5.78	6.75	6.52	7.32	7.01	7.19	6.97	7.59	8.00	6.88	7.29	7.06	8.10	8.11	8.30	-1.1%	
Purchases from cogenerators 6/	0.20	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.07	10.8%	
Generation by Utilities	213.79	241.31	248.91	258.53	262.88	263.68	261.58	263.34	265.77	269.21	271.30	273.77	276.18	276.73	279.64	282.61	286.06	287.72	291.24	293.79	297.50	301.19	304.01	304.01	1.5%	
Total Net Energy for Load	222.31	251.28	254.84	257.81	262.18	264.83	266.50	268.40	271.52	274.37	276.68	278.93	281.37	283.72	286.46	289.96	292.48	295.63	298.67	301.37	304.06	306.54	308.86	310.92	1.5%	
Generation by Fuel Type (billion kilowatthours)																										
Coal	142.79	154.17	160.92	166.69	170.03	169.93	171.78	171.14	171.52	173.62	175.67	176.72	178.48	179.12	181.36	182.03	183.42	185.70	186.79	188.83	189.95	192.28	193.57	196.39	1.4%	
Petroleum	0.67	1.27	0.99	0.76	0.73	0.64	0.54	0.52	0.52	0.53	0.54	0.56	0.57	0.57	0.58	0.57	0.58	0.57	0.57	0.57	0.56	0.57	0.57	0.57	-0.7%	
Natural Gas	4.61	1.83	1.73	4.82	5.35	5.83	6.38	6.48	6.97	9.46	11.40	12.38	13.12	14.89	15.69	18.30	19.72	24.42	24.88	26.15	27.36	28.56	30.70	30.32	8.5%	
Nuclear	61.90	80.75	82.15	82.95	83.46	83.97	79.58	80.14	81.02	78.85	78.29	78.26	78.22	78.19	75.63	75.14	75.14	71.31	71.31	71.31	71.31	71.31	71.31	71.31	71.31	0.6%
Pumped Storage/Other 3/	-0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 4/	3.94	3.30	3.11	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.38	3.38	3.41	3.47	3.60	3.75	4.06	4.17	4.39	4.62	4.78	5.04	5.42	1.4%	
Total Generation	213.79	241.31	248.91	258.53	262.88	263.68	261.58	263.34	265.77	269.21	271.30	273.77	276.18	276.73	279.64	282.61	286.06	287.72	291.24	293.79	297.50	301.19	304.01	304.01	1.5%	
Sales to Customers	213.67	241.19	248.79	258.41	262.75	263.56	261.49	263.25	265.69	269.13	271.21	273.68	276.09	276.64	279.56	282.52	285.97	287.63	291.15	293.71	297.41	301.10	303.93	303.93	1.5%	
Generation for Own Use	0.12	0.12	0.12	0.12	0.12	0.12	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	-1.5%	
Cogenerators																										
Coal	1.82	1.75	1.73	1.73	1.72	1.71	1.70	1.68	1.66	1.65	1.63	1.61	1.58	1.56	1.55	1.55	1.54	1.54	1.53	1.53	1.52	1.52	1.51	1.51	-0.8%	
Petroleum	0.04	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	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	5.2%	
Natural Gas	0.69	2.33	2.32	2.33	2.35	2.34	2.35	2.36	2.37	2.37	2.38	2.39	2.40	2.41	2.43	2.44	2.45	2.47	2.48	2.49	2.50	2.51	2.51	2.50	5.8%	
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	0.03	0.03	0.03	0.03	0.03	0.03	1.2%	
Renewable	1.00	1.20	1.20	1.24	1.26	1.28	1.29	1.31	1.33	1.36	1.39	1.41	1.44	1.46	1.48	1.49	1.51	1.53	1.55	1.57	1.58	1.60	1.61	1.62	2.1%	
Other	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	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.2%	
Total	3.63	5.51	5.49	5.53	5.55	5.56	5.57	5.58	5.60	5.62	5.63	5.64	5.66	5.68	5.70	5.72	5.75	5.78	5.80	5.82	5.84	5.84	5.84	5.84	2.1%	
Sales to Utilities	0.20	2.05	2.04	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.06	2.07	2.07	2.07	2.07	2.07	10.8%	
Generation for Own Use	7.75	8.13	8.10	8.30	8.39	8.38	8.42	8.47	8.55	8.64	8.73	8.82	8.91	9.00	9.11	9.23	9.33	9.45	9.55	9.65	9.74	9.84	9.83	9.79	1.0%	
End-Use Prices (1997 cents per kilowatthour)																										
Residential	9.5	9.4	8.3	7.9	7.7	7.4	7.4	7.3	7.4	7.5	7.6	7.7	7.8	7.8	7.9	7.7	7.6	7.5	7.5	7.4	7.4	7.4	7.4	7.3	-1.2%	
Commercial	7.5	7.5	7.1	6.9	6.7	6.4	6.4	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.5	6.3	6.3	6.1	6.1	5.9	5.9	5.9	5.8	5.8	-1.1%	
Industrial	4.7	4.5	4.5	4.4	4.4	4.3	4.4	4.3	4.2	4.2	4.2	4.2	4.3	4.3	4.4	4.2	4.2	4.1	4.1	3.9	3.9	3.9	3.9	3.9	-0.8%	
Transportation	5.9	5.9	5.6	5.5	5.4	5.2	5.3	5.2	5.1	5.1	5.1	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.4	4.4	-1.3%	
All Sectors Average	7.0	6.9	6.5	6.3	6.1	6.0	6.0	5.9	5.9	5.9	5.9	5.9	6.0	6.0	6.1	5.9	5.9	5.8	5.7	5.6	5.6	5.6	5.6	5.5	-1.0%	

Table 62. Electric Power Projections for EMM Region 04 - Mid-America Interconnected Network																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Price Components (1997 cents per kilowatthour)																									
Capital Component	3.6	3.7	3.3	3.1	3.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	3.2	3.0	2.9	2.8	2.8	2.7	2.6	2.6	2.6	2.6	-1.4%
Fuel Component	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	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	0.2%
O&M Component	2.2	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	-0.9%
Wholesale Power Cost	0.2	0.2	0.1	0.0	-0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-5.8%
Total	7.0	6.9	6.5	6.3	6.1	6.0	6.0	5.9	5.9	5.9	5.9	5.9	6.0	6.0	6.1	5.9	5.9	5.8	5.7	5.6	5.6	5.6	5.6	5.5	-1.0%
Fuel Consumption (quadrillion Btu) 8/																									
Coal	1.53	1.66	1.73	1.79	1.83	1.83	1.85	1.84	1.85	1.87	1.89	1.91	1.93	1.93	1.96	1.96	1.98	2.00	2.01	2.03	2.04	2.07	2.08	2.10	1.4%
Natural Gas	0.06	0.02	0.02	0.04	0.05	0.05	0.06	0.06	0.06	0.08	0.09	0.10	0.10	0.12	0.12	0.14	0.15	0.18	0.18	0.19	0.20	0.20	0.22	0.21	5.5%
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	0.01	0.01	0.01	-2.0%
Total	1.60	1.69	1.76	1.84	1.88	1.89	1.91	1.90	1.91	1.95	1.99	2.01	2.03	2.05	2.08	2.11	2.13	2.19	2.20	2.23	2.25	2.28	2.30	2.32	1.6%
Emissions (million short tons) 9/																									
Total Carbon	41.30	44.31	46.19	48.24	49.43	49.48	50.11	49.94	50.07	50.99	51.81	52.24	52.85	53.23	53.98	54.40	54.94	56.04	56.37	57.02	57.37	58.15	58.57	59.16	1.6%
Carbon Dioxide	151.43	162.45	169.38	176.88	181.24	181.42	183.72	183.13	183.59	186.96	189.98	191.56	193.79	195.19	197.92	199.46	201.45	205.49	206.70	209.06	210.36	213.21	214.74	216.93	1.6%
Sulfur Dioxide	1.22	1.26	1.23	1.02	0.87	0.85	0.82	0.81	0.80	0.80	0.79	0.78	0.79	0.78	0.77	0.76	0.74	0.75	0.74	0.73	0.72	0.72	0.72	0.71	-2.3%
Nitrogen Oxide	0.47	0.50	0.52	0.37	0.38	0.38	0.29	0.28	0.29	0.29	0.30	0.29	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.32	-1.7%

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

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-867, Annual Nonutility Power Producer Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

2/ Includes oil-, gas-, and dual-fired capability.

3/ Other includes methane, propane gas, and blast furnace gas, 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/ Cumulative additions after December 31, 1996.

6/ Cogenerators produce electricity and another form of useful energy (such as steam or heat) through the sequential use of energy.

7/ Generation to meet system load by source.

8/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.

9/ 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.

Source: 1997 (except for prices and nonutility data) Energy Information Administration (EIA), Annual Energy Review 1997, DOE/EIA-0384(97) (Washington, DC, July 1998). Other 1997 and projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 63. Electric Power Projections for EMM Region 05 - Mid-Continent Area Power Pool																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020
Electricity Demand (billion kilowatthours)																									
Residential	49.55	51.12	52.67	54.06	55.52	56.11	56.45	56.75	57.23	57.65	58.12	58.63	59.15	59.71	60.55	61.33	62.07	62.84	63.51	64.29	64.96	65.67	66.39	67.20	1.3%
Commercial/Other	36.46	37.60	38.35	39.00	39.55	40.11	40.52	40.92	41.44	41.87	42.32	42.82	43.31	43.80	44.39	45.00	45.52	46.01	46.35	46.70	46.98	47.22	47.46	47.67	1.2%
Industrial	56.05	56.88	56.73	56.83	57.68	58.25	58.65	59.13	60.10	61.08	61.65	62.15	62.73	63.23	63.55	64.24	64.68	65.41	66.33	66.77	67.44	68.03	68.50	68.88	0.9%
Transportation	0.70	0.71	0.72	0.73	0.75	0.76	0.94	1.10	1.25	1.38	1.49	1.60	1.71	1.82	1.91	1.99	2.07	2.15	2.23	2.30	2.38	2.45	2.52	2.59	5.8%
Total Sales	142.76	146.32	148.47	150.63	153.50	155.23	156.56	157.90	160.02	161.98	163.57	165.21	166.90	168.55	170.40	172.56	174.33	176.41	178.42	180.06	181.75	183.38	184.88	186.35	1.2%
Net Energy for Load (billion kwh) 7/																									
Gross International Imports	6.76	7.65	7.34	6.56	6.58	6.38	6.38	6.38	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	-5.2%
Gross International Exports	1.72	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99	0.6%
Gross Interregional Electric Imports	3.75	1.97	1.77	1.78	1.80	1.80	1.82	1.83	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	-3.1%
Gross Interregional Electric Exports	10.40	9.23	9.09	9.13	7.89	7.93	7.93	7.93	7.54	7.93	7.93	7.93	7.93	7.93	7.93	7.93	7.93	7.93	7.93	7.93	7.93	7.93	7.93	7.93	-1.2%
Purchases from cogenerators 6/	0.31	2.07	2.06	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.09	2.09	2.09	2.09	2.10	2.10	2.10	2.10	2.10	2.10	8.7%
Generation by Utilities	159.64	160.04	162.63	165.64	167.37	169.34	170.61	171.90	178.05	180.41	181.98	183.59	185.26	186.90	188.73	190.89	192.63	194.69	196.70	198.47	200.30	202.06	203.67	205.26	1.1%
Total Net Energy for Load	158.34	160.51	162.73	164.93	167.94	169.67	170.96	172.26	174.43	176.40	177.97	179.58	181.26	182.90	184.73	186.90	188.64	190.71	192.71	194.49	196.32	198.08	199.69	201.28	1.0%
Generation by Fuel Type (billion kilowatthours)																									
Coal	111.68	113.67	117.02	119.41	120.34	121.37	124.08	131.31	135.79	136.68	137.18	137.68	138.17	138.61	139.87	140.16	140.69	141.03	141.42	141.97	142.33	142.92	143.33	143.83	1.1%
Petroleum	1.04	0.44	0.47	0.30	0.31	0.30	0.21	0.23	0.26	0.25	0.27	0.28	0.29	0.30	0.28	0.24	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.24	-6.2%
Natural Gas	1.16	2.38	1.34	1.00	1.26	1.46	2.35	4.65	9.02	10.52	11.58	12.52	13.67	15.46	19.16	21.05	22.24	23.93	25.52	26.70	28.07	29.16	30.26	31.26	15.4%
Nuclear	26.28	24.46	25.03	25.03	25.03	25.01	22.73	14.44	11.64	11.57	11.50	11.61	11.59	10.93	7.78	7.78	7.78	7.78	7.78	7.78	7.78	7.78	7.78	7.78	-5.2%
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 4/	19.48	19.10	18.77	19.90	20.43	21.20	21.28	21.33	21.39	21.44	21.50	21.55	21.59	21.63	21.66	21.69	21.72	21.74	21.79	21.88	21.96	22.07	22.16	22.16	0.6%
Total Generation	159.64	160.04	162.63	165.64	167.37	169.34	170.61	171.90	178.05	180.41	181.98	183.59	185.26	186.90	188.73	190.89	192.63	194.69	196.70	198.47	200.30	202.06	203.67	205.26	1.1%
Sales to Customers	159.58	159.99	162.57	165.58	167.31	169.28	170.55	171.84	178.00	180.36	181.92	183.53	185.21	186.84	188.67	190.84	192.58	194.64	196.65	198.42	200.25	202.00	203.62	205.20	1.1%
Generation for Own Use	0.06	0.06	0.06	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	0.05	0.05	0.05	0.05	-0.4%
Cogenerators																									
Coal	1.21	1.18	1.17	1.17	1.17	1.16	1.15	1.14	1.13	1.12	1.11	1.10	1.08	1.07	1.06	1.06	1.06	1.05	1.05	1.05	1.04	1.04	1.04	1.03	-0.7%
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	0.00	0.00	0.00	-0.1%
Natural Gas	0.24	1.84	1.84	1.84	1.85	1.84	1.85	1.85	1.85	1.85	1.86	1.86	1.86	1.87	1.87	1.88	1.88	1.89	1.89	1.90	1.90	1.90	1.90	1.90	9.4%
Other Gaseous Fuels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.2%
Renewable	0.57	0.74	0.74	0.76	0.78	0.79	0.79	0.80	0.82	0.83	0.85	0.86	0.88	0.89	0.90	0.91	0.92	0.93	0.94	0.95	0.96	0.97	0.97	0.98	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	0.00	0.00	0.00	N/A
Total	2.03	3.77	3.75	3.78	3.79	3.80	3.80	3.80	3.80	3.81	3.82	3.82	3.83	3.83	3.84	3.85	3.86	3.87	3.89	3.90	3.91	3.92	3.92	3.92	2.9%
Sales to Utilities	0.31	2.07	2.06	2.06	2.07	2.07	2.07	2.07	2.07	2.07	2.08	2.08	2.08	2.08	2.09	2.09	2.09	2.09	2.10	2.10	2.10	2.10	2.10	2.10	8.7%
Generation for Own Use	3.96	4.16	4.14	4.24	4.29	4.29	4.30	4.33	4.37	4.42	4.46	4.51	4.55	4.60	4.66	4.72	4.77	4.83	4.88	4.93	4.98	5.03	5.03	5.00	1.0%
End-Use Prices (1997 cents per kilowatthour)																									
Residential	7.5	7.3	7.2	7.1	6.9	6.8	6.8	6.9	6.8	6.8	6.7	6.7	6.6	6.6	6.5	6.4	6.3	6.2	6.2	6.1	6.1	6.1	6.0	5.9	-1.0%
Commercial	6.3	6.3	6.1	6.0	5.9	5.8	5.8	5.8	5.7	5.7	5.7	5.6	5.6	5.6	5.4	5.4	5.3	5.3	5.2	5.2	5.2	5.1	5.1	5.0	-1.0%
Industrial	4.2	4.2	4.1	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.2	-1.2%
Transportation	5.2	5.2	5.1	5.0	4.9	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.1	4.0	4.0	-1.1%
All Sectors Average	5.9	5.8	5.7	5.6	5.5	5.4	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.2	5.1	5.0	5.0	4.9	4.9	4.8	4.8	4.8	4.7	4.7	-1.0%

Table 63. Electric Power Projections for EMM Region 05 - Mid-Centroid Area Power Pool																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Price Components (1997 cents per kilowatthour)																										
Capital Component	2.7	2.7	2.7	2.7	2.6	2.5	2.5	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.1	2.1	2.0	2.0	2.0	1.9	-1.5%	
Fuel Component	0.9	0.9	0.9	0.8	0.8	0.8	0.8	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	0.5%	
O&M Component	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	-0.8%	
Wholesale Power Cost	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	N/A	
Total	5.9	5.8	5.7	5.6	5.5	5.4	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.2	5.1	5.0	5.0	4.9	4.9	4.8	4.8	4.8	4.7	4.7	-1.0%	
Fuel Consumption (quadrillion Btu) 8/																										
Coal	1.24	1.24	1.28	1.31	1.32	1.33	1.36	1.45	1.50	1.51	1.52	1.53	1.53	1.54	1.55	1.56	1.56	1.57	1.57	1.58	1.58	1.59	1.59	1.59	1.1%	
Natural Gas	0.02	0.03	0.02	0.01	0.01	0.02	0.02	0.04	0.07	0.08	0.09	0.10	0.11	0.12	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.21	0.22	0.22	12.2%	
Oil	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	0.00	0.00	0.00	-6.2%	
Total	1.27	1.28	1.30	1.32	1.34	1.35	1.39	1.49	1.58	1.60	1.62	1.63	1.65	1.66	1.70	1.72	1.73	1.75	1.76	1.77	1.78	1.80	1.81	1.82	1.6%	
Emissions (million short tons) 9/																										
Total Carbon	31.82	33.85	34.65	35.22	35.55	35.90	36.84	39.38	41.30	41.75	42.07	42.35	42.65	42.99	43.72	44.01	44.28	44.56	44.82	45.06	45.26	45.53	45.68	45.89	1.6%	
Carbon Dioxide	116.68	124.12	127.05	129.16	130.35	131.65	135.07	144.39	151.43	153.08	154.25	155.27	156.39	157.64	160.30	161.35	162.36	163.39	164.35	165.23	165.97	166.93	167.49	168.25	1.6%	
Sulfur Dioxide	0.43	0.44	0.45	0.45	0.44	0.44	0.44	0.47	0.49	0.48	0.48	0.48	0.47	0.47	0.46	0.46	0.45	0.45	0.44	0.43	0.42	0.42	0.42	0.42	-0.1%	
Nitrogen Oxide	0.39	0.33	0.34	0.27	0.27	0.28	0.28	0.30	0.31	0.32	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.34	-0.6%	

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

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-867, Annual Nonutility Power Producer Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

2/ Includes oil-, gas-, and dual-fired capability.

3/ Other includes methane, propane gas, and blast furnace gas, 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/ Cumulative additions after December 31, 1996.

6/ Cogenerators produce electricity and another form of useful energy (such as steam or heat) through the sequential use of energy.

7/ Generation to meet system load by source.

8/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.

9/ 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.

Source: 1997 (except for prices and nonutility data) Energy Information Administration (EIA), Annual Energy Review 1997, DOE/EIA-0384(97) (Washington, DC, July 1998). Other 1997 and projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 64. Electric Power Projections for EMM Region 06 - Northeast Power Coordinating Council/New York																											
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020		
Electricity Generating Capacity 1/ (gigawatts)																											
Coal Steam	4.82	4.82	4.82	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	-0.1%	
Other Fossil Steam 2/ Combined Cycle	12.39	12.39	12.39	12.39	12.39	12.39	9.96	7.61	6.22	6.22	4.86	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.36	3.36	2.62	12.39	-6.5%	
Combustion Turbine/Diesel	3.81	3.81	3.81	3.81	3.81	3.81	3.81	4.35	6.72	6.72	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.85	8.36	8.36	3.81	3.5%	
Nuclear Power	4.91	4.91	4.91	4.91	4.91	4.91	3.98	3.16	2.18	2.18	2.18	2.18	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	0.00	0.00	0.00	4.91	N/A	
Pumped Storage/Other 3/ Fuel Cells	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	1.28	1.28	1.28	1.28	1.28	N/A
Renewable 4/ Total Capability	4.74	4.80	4.85	4.92	4.92	4.98	5.09	5.14	5.20	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.26	5.26	5.26	5.26	5.27	5.28	5.29	4.74	0.5%	
	32.51	32.57	32.62	32.61	32.61	33.85	31.77	30.39	31.40	32.82	32.80	32.79	31.95	32.88	33.02	33.31	33.39	33.39	33.45	32.48	32.76	32.50	33.36	33.61	32.51	0.1%	
Cumulative Planned Additions 5/																											
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	0.00	0.00	0.00	0.00	0.00	N/A
Other Fossil Steam 2/ 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	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	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	0.00	0.00	0.00	0.00	0.00	N/A
Pumped Storage/Other 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	0.00	0.00	0.00	0.00	0.00	N/A
Renewable 4/ Total (planned)	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	0.01	0.01	0.01	0.01	0.01	N/A
	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	0.01	0.01	0.01	0.01	0.01	N/A
Cumulative Unplanned Additions 5/																											
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	0.00	0.00	0.00	0.00	0.00	N/A
Other Fossil Steam 2/ 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	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	0.54	2.91	2.91	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	3.94	4.04	4.55	4.55	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	0.00	0.00	0.00	0.00	0.00	N/A
Pumped Storage/Other 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	0.00	0.00	0.00	0.00	0.00	N/A
Renewable 4/ Total (unplanned)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.03	0.00	N/A	
	0.00	0.00	0.00	0.00	0.00	1.19	2.37	4.10	7.42	8.79	10.13	11.24	11.49	12.41	12.55	12.84	12.92	12.92	12.99	13.11	13.39	13.50	14.37	15.36	0.00	N/A	
Cumulative Total Additions	0.00	0.01	0.01	0.01	0.01	1.20	2.38	4.11	7.44	8.80	10.14	11.25	11.50	12.42	12.56	12.85	12.93	12.93	13.00	13.12	13.40	13.52	14.38	15.37	0.00	N/A	
Cumulative Retirements	1.38	1.38	1.38	1.47	1.47	1.47	4.84	8.00	10.38	10.38	11.74	12.85	13.94	13.94	13.94	13.94	13.94	13.94	13.94	15.03	15.03	15.41	15.41	16.16	1.38	11.3%	
Cogenerators 6/ Capacity																											
Coal	0.33	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.3%
Petroleum	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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.8%
Natural Gas	5.82	5.91	5.90	5.99	6.01	6.00	6.01	6.03	6.04	6.06	6.08	6.10	6.12	6.14	6.16	6.19	6.21	6.24	6.26	6.28	6.30	6.32	6.32	6.30	5.82	0.3%	
Other Gaseous Fuels	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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	1.5%
Renewables	0.30	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.30	1.0%	
Other	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	0.03	0.03	0.03	0.03	0.03	0.9%
Total	6.52	6.66	6.65	6.76	6.78	6.78	6.79	6.80	6.82	6.84	6.87	6.89	6.91	6.94	6.96	6.99	7.02	7.05	7.08	7.10	7.12	7.15	7.14	7.13	6.52	0.4%	

Table 64. Electric Power Projections for EMM Region 06 - Northeast Power Coordinating Council/New York																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020	
Electricity Demand (billion kilowatthours)																										
Residential	42.93	44.29	45.63	47.29	49.01	49.82	50.40	50.93	51.63	52.21	52.82	53.45	53.82	54.23	54.97	55.63	56.28	56.74	57.38	58.03	58.56	59.12	59.92	60.68	1.5%	
Commercial/Other	66.47	68.58	69.95	71.08	71.87	72.66	73.27	73.78	74.55	75.06	75.80	76.60	77.13	77.60	78.20	78.74	79.23	79.41	79.72	79.66	79.71	79.55	79.88	79.98	0.8%	
Industrial	29.47	29.73	29.66	29.78	30.14	30.51	30.70	30.92	31.41	31.93	32.40	32.93	33.24	33.69	33.88	34.10	34.25	34.50	34.97	34.89	35.13	35.35	35.48	35.55	0.8%	
Transportation	0.93	0.94	0.95	0.96	0.98	0.99	1.23	1.44	1.63	1.79	1.93	2.06	2.20	2.32	2.44	2.53	2.63	2.72	2.81	2.90	2.99	3.08	3.16	3.24	5.6%	
Total Sales	139.80	143.54	146.19	149.12	151.99	153.99	155.59	157.07	159.22	160.98	162.95	165.04	166.38	167.83	169.48	171.00	172.39	173.38	174.89	175.48	176.39	177.11	178.44	179.45	1.1%	
Net Energy for Load (billion kwh) 7/																										
Gross International Imports	15.66	18.30	16.07	16.22	20.08	22.30	22.16	21.69	20.45	21.80	21.56	19.33	20.31	18.48	17.14	16.35	15.09	14.75	15.04	15.72	15.42	14.93	15.40	15.38	-0.1%	
Gross International Exports	1.52	1.77	1.90	1.82	1.85	1.87	1.90	1.93	1.95	1.98	1.99	2.00	2.01	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	1.3%	
Gross Interregional Electric Imports	10.01	9.41	10.01	9.74	8.97	8.89	8.86	8.82	9.09	8.24	8.35	8.11	7.69	7.84	8.32	9.06	8.85	8.71	9.46	9.79	11.32	11.73	10.77	9.43	-0.3%	
Gross Interregional Electric Exports	6.84	5.53	5.20	5.37	5.48	4.69	4.39	3.30	3.22	3.37	3.45	3.87	3.91	3.58	3.49	3.23	2.98	3.19	3.06	2.90	2.90	2.90	2.90	2.95	-3.6%	
Purchases from cogenerators 6/	31.17	27.68	27.64	27.57	27.58	27.59	27.59	27.60	27.61	27.63	27.64	27.65	27.66	27.68	27.69	27.70	27.72	27.73	27.74	27.75	27.76	27.77	27.77	27.77	-0.5%	
Generation by Utilities	119.02	107.85	112.05	115.39	115.38	114.50	115.97	116.84	119.94	121.34	123.50	128.48	129.27	132.02	134.39	135.63	138.17	139.73	140.03	139.47	138.93	139.75	141.66	144.16	0.8%	
Total Net Energy for Load	167.51	155.93	158.67	161.72	164.69	166.71	168.29	169.74	171.92	173.66	175.62	177.71	179.00	180.41	182.02	183.49	184.82	185.71	187.18	187.80	188.52	189.27	190.68	191.76	0.6%	
Generation by Fuel Type (billion kilowatthours)																										
Coal	28.31	29.56	31.42	31.69	31.71	31.06	29.80	29.97	29.60	29.84	28.37	28.42	28.42	28.11	29.90	29.58	30.01	30.24	30.48	31.18	32.00	32.20	31.79	31.96	0.5%	
Petroleum	8.78	12.52	13.80	15.30	14.66	10.00	6.48	3.69	1.02	0.82	0.22	0.14	0.38	0.30	0.34	0.36	0.20	0.36	0.35	0.38	0.41	0.36	0.19	0.10	-17.6%	
Natural Gas	21.78	12.30	13.70	13.50	13.95	18.10	25.04	35.19	45.86	52.55	56.83	61.88	63.67	72.73	73.27	74.82	77.08	78.24	78.29	79.75	83.73	84.36	86.82	89.16	6.3%	
Nuclear	29.57	32.02	32.99	33.28	33.45	33.54	32.48	25.65	20.93	15.42	15.38	15.33	14.09	8.17	8.17	8.17	8.17	8.17	8.17	8.17	5.42	0.00	0.00	0.00	N/A	
Pumped Storage/Other 3/	-1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 4/	31.68	21.44	20.13	21.62	21.62	21.80	22.16	22.35	22.53	22.71	22.71	22.71	22.71	22.71	22.71	22.71	22.71	22.72	22.74	22.75	22.78	22.83	22.86	22.94	-1.4%	
Total Generation	119.02	107.85	112.05	115.39	115.38	114.50	115.97	116.84	119.94	121.34	123.50	128.48	129.27	132.02	134.39	135.63	138.17	139.73	140.03	139.47	138.93	139.75	141.66	144.16	0.8%	
Sales to Customers	118.77	107.60	111.80	115.14	115.13	114.25	115.73	116.60	119.70	121.10	123.26	128.24	129.02	131.78	134.15	135.39	137.92	139.48	139.78	139.22	138.83	139.65	141.56	144.06	0.8%	
Generation for Own Use	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.10	0.10	0.10	0.10	-3.8%	
Cogenerators																										
Coal	2.75	2.79	2.74	2.70	2.69	2.69	2.68	2.67	2.66	2.65	2.63	2.62	2.61	2.60	2.59	2.59	2.58	2.58	2.57	2.57	2.57	2.57	2.56	2.56	-0.3%	
Petroleum	0.32	0.45	0.45	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	1.6%	
Natural Gas	38.10	34.91	34.84	35.00	35.14	35.08	35.14	35.23	35.33	35.46	35.61	35.77	35.90	36.07	36.27	36.48	36.67	36.87	37.03	37.20	37.36	37.53	37.48	37.33	-0.1%	
Other Gaseous Fuels	0.25	0.30	0.30	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	1.2%	
Renewable	1.83	2.14	2.15	2.19	2.23	2.26	2.28	2.30	2.34	2.39	2.43	2.46	2.51	2.54	2.57	2.60	2.62	2.65	2.69	2.71	2.73	2.76	2.78	2.80	1.9%	
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	0.00	0.00	0.00	N/A	
Total	43.25	40.59	40.48	40.67	40.84	40.80	40.88	40.98	41.11	41.28	41.45	41.63	41.80	41.99	42.21	42.44	42.65	42.88	43.08	43.27	43.45	43.64	43.60	43.46	0.0%	
Sales to Utilities	31.17	27.68	27.64	27.57	27.58	27.59	27.59	27.60	27.61	27.63	27.64	27.65	27.66	27.68	27.69	27.70	27.72	27.73	27.74	27.75	27.76	27.77	27.77	27.77	-0.5%	
Generation for Own Use	2.15	2.26	2.25	2.31	2.33	2.33	2.34	2.36	2.38	2.40	2.43	2.45	2.48	2.50	2.53	2.57	2.60	2.63	2.66	2.68	2.71	2.74	2.74	2.72	1.0%	
End-Use Prices (1997 cents per kilowatthour)																										
Residential	14.6	14.0	13.5	12.9	12.4	12.1	12.0	12.0	11.7	11.6	11.4	11.2	11.4	11.6	11.5	11.4	11.4	11.4	11.4	11.6	11.6	11.7	11.3	11.2	-1.2%	
Commercial	11.9	11.7	11.2	10.6	10.3	9.9	9.8	9.8	9.4	9.3	8.9	8.4	8.4	8.4	8.3	8.2	8.2	8.2	8.3	8.6	8.6	8.8	8.5	8.3	-1.6%	
Industrial	5.8	5.5	5.4	5.2	5.1	5.0	5.0	5.1	4.9	4.9	4.8	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.8	5.1	5.1	5.3	5.0	-0.8%	
Transportation	8.8	8.6	8.4	8.2	8.1	7.9	7.9	7.7	7.5	7.4	7.3	7.2	7.3	7.4	7.3	7.2	7.3	7.2	7.3	7.3	7.3	7.4	7.2	7.0	-1.0%	
All Sectors Average	11.4	11.1	10.7	10.2	9.9	9.6	9.5	9.5	9.3	9.1	8.9	8.6	8.6	8.7	8.6	8.6	8.6	8.6	8.6	8.6	8.9	8.9	9.0	8.7	8.5	-1.3%

Table 64. Electric Power Projections for EMM Region 06 - Northeast Power Coordinating Council/New York																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Price Components (1997 cents per kilowatthour)																									
Capital Component	6.4	6.3	5.9	5.5	5.2	5.0	4.9	4.9	4.7	4.5	4.2	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.3	4.3	4.4	4.1	4.0	-2.0%
Fuel Component	0.9	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.0	1.0	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.7%
O&M Component	3.1	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	-1.0%
Wholesale Power Cost	1.0	0.9	0.9	0.8	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	0.7	0.8	0.8	0.8	0.8	0.8	0.8	-1.2%
Total	11.4	11.1	10.7	10.2	9.9	9.6	9.5	9.5	9.3	9.1	8.9	8.6	8.6	8.7	8.6	8.6	8.6	8.6	8.6	8.9	8.9	9.0	8.7	8.5	-1.3%
Fuel Consumption (quadrillion Btu) 8/																									
Coal	0.29	0.30	0.32	0.32	0.32	0.32	0.30	0.30	0.30	0.30	0.29	0.29	0.29	0.28	0.30	0.30	0.31	0.31	0.31	0.32	0.33	0.33	0.33	0.33	0.6%
Natural Gas	0.25	0.12	0.14	0.14	0.14	0.16	0.20	0.27	0.34	0.38	0.41	0.44	0.45	0.51	0.52	0.53	0.54	0.55	0.55	0.56	0.59	0.60	0.61	0.62	4.0%
Oil	0.09	0.13	0.14	0.16	0.15	0.10	0.07	0.04	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	-17.6%
Total	0.62	0.56	0.61	0.62	0.62	0.58	0.57	0.61	0.65	0.69	0.70	0.73	0.74	0.80	0.82	0.83	0.85	0.87	0.87	0.89	0.93	0.93	0.94	0.95	1.8%
Emissions (million short tons) 9/																									
Total Carbon	11.65	12.52	13.57	13.90	13.81	12.76	12.24	12.67	13.01	13.64	13.50	13.93	14.14	14.95	15.51	15.55	15.92	16.16	16.21	16.63	17.37	17.49	17.48	17.62	1.8%
Carbon Dioxide	42.71	45.91	49.75	50.97	50.64	46.80	44.87	46.45	47.72	50.03	49.50	51.09	51.86	54.80	56.88	57.01	58.37	59.27	59.45	60.97	63.69	64.12	64.08	64.60	1.8%
Sulfur Dioxide	0.34	0.35	0.37	0.36	0.37	0.35	0.32	0.32	0.24	0.28	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.22	0.24	0.27	0.30	0.30	0.30	0.30	-0.5%
Nitrogen Oxide	0.10	0.09	0.10	0.09	0.09	0.09	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	0.09	0.09	0.09	0.09	0.09	-0.6%

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

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-867, Annual Nonutility Power Producer Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

2/ Includes oil-, gas-, and dual-fired capability.

3/ Other includes methane, propane gas, and blast furnace gas, 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/ Cumulative additions after December 31, 1996.

6/ Cogenerators produce electricity and another form of useful energy (such as steam or heat) through the sequential use of energy.

7/ Generation to meet system load by source.

8/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.

9/ 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.

Source: 1997 (except for prices and nonutility data) Energy Information Administration (EIA), Annual Energy Review 1997, DOE/EIA-0384(97) (Washington, DC, July 1998). Other 1997 and projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 65. Electric Power Projections for EMM Region 07 - Northeast Power Coordinating Council/New England																								1997-2020	
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Electricity Generating Capacity 1/ (gigawatts)																									
Coal Steam	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	
Other Fossil Steam 2/	8.19	8.19	8.19	8.14	8.14	8.14	8.14	7.95	7.35	7.35	5.88	5.49	3.91	3.91	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.00	3.00	3.00	-4.3%
Combined Cycle	1.17	1.17	1.17	1.97	2.14	3.14	3.90	5.18	6.07	6.97	7.91	8.87	9.84	9.91	10.53	10.69	11.02	11.23	11.29	11.29	11.35	11.63	11.72	11.82	10.6%
Combustion Turbine/Diesel	1.79	2.40	2.40	2.39	3.14	3.28	3.33	3.33	3.79	4.12	4.12	4.44	4.44	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.3%
Nuclear Power	5.83	4.32	4.32	4.32	4.32	4.32	3.65	3.65	3.65	2.78	2.78	2.78	2.78	2.78	2.78	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	-4.0%
Pumped Storage/Other 3/	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	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	0.00	0.00	0.00	N/A
Renewable 4/	3.05	3.06	3.07	3.11	3.14	3.18	3.22	3.26	3.30	3.36	3.41	3.47	3.53	3.57	3.57	3.57	3.58	3.58	3.59	3.59	3.60	3.60	3.61	3.61	0.7%
Total Capability	24.39	23.49	23.51	24.28	25.24	26.42	26.59	27.73	28.53	28.93	28.45	29.39	28.85	29.21	29.48	29.14	29.48	29.70	29.76	29.76	29.83	29.55	29.64	29.75	0.9%
Cumulative Planned Additions 5/																									
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	0.00	0.00	0.00	N/A
Other Fossil Steam 2/	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	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
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	27.5%
Combustion Turbine/Diesel	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	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	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	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	0.00	0.00	0.00	N/A
Renewable 4/	0.02	0.02	0.04	0.07	0.11	0.15	0.19	0.23	0.27	0.32	0.38	0.43	0.49	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	15.8%
Total (planned)	0.40	0.41	0.42	0.46	0.49	0.53	0.57	1.06	1.10	1.16	1.21	1.27	1.33	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	5.5%
Cumulative Unplanned Additions 5/																									
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	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	0.00	0.00	0.00	N/A
Combined Cycle	0.00	0.00	0.00	0.81	0.97	1.98	2.73	3.56	4.46	5.35	6.29	7.25	8.22	8.29	8.91	9.07	9.40	9.61	9.67	9.67	9.73	10.01	10.10	10.20	N/A
Combustion Turbine/Diesel	0.00	0.61	0.61	0.61	1.37	1.51	1.55	1.55	2.02	2.35	2.35	2.66	2.66	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	2.97	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	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	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	0.00	0.00	0.00	N/A
Renewable 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	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.04	N/A
Total (unplanned)	0.00	0.61	0.61	1.42	2.34	3.49	4.29	5.12	6.47	7.70	8.64	9.91	10.89	11.26	11.87	12.04	12.37	12.59	12.65	12.66	12.72	13.01	13.10	13.20	N/A
Cumulative Total Additions	0.40	1.02	1.03	1.88	2.83	4.02	4.85	6.18	7.58	8.86	9.85	11.18	12.21	12.63	13.25	13.41	13.74	13.96	14.02	14.03	14.10	14.38	14.48	14.58	16.9%
Cumulative Retirements	1.63	3.14	3.14	3.21	3.21	3.21	3.88	4.07	4.67	5.54	7.01	7.40	8.98	9.03	9.39	9.88	9.88	9.88	9.88	9.88	9.88	10.45	10.45	10.45	8.4%
Cogenerators 6/ Capacity																									
Coal	0.50	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	0.53	0.53	0.53	0.53	0.2%
Petroleum	0.22	0.25	0.25	0.25	0.25	0.25	0.25	0.25	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	0.27	0.8%
Natural Gas	1.48	1.50	1.50	1.53	1.53	1.53	1.53	1.54	1.54	1.55	1.56	1.56	1.57	1.58	1.58	1.59	1.60	1.61	1.62	1.62	1.63	1.64	1.64	1.63	0.4%
Other Gaseous Fuels	0.18	0.18	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	0.26	0.26	0.26	0.26	0.26	0.26	0.26	1.5%
Renewables	0.84	0.90	0.90	0.91	0.92	0.92	0.92	0.93	0.94	0.95	0.95	0.96	0.97	0.97	0.98	0.99	0.99	1.00	1.01	1.02	1.02	1.03	1.03	1.04	0.9%
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	0.00	0.00	0.00	0.9%
Total	3.23	3.34	3.34	3.46	3.48	3.49	3.49	3.50	3.52	3.53	3.55	3.56	3.58	3.59	3.61	3.63	3.64	3.66	3.68	3.69	3.71	3.72	3.72	3.72	0.6%

Table 65. Electric Power Projections for EMM Region 07 - Northeast Power Coordinating Council/New England																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Price Components (1997 cents per kilowatthour)																									
Capital Component	4.8	4.7	4.5	4.3	4.2	3.9	3.9	3.9	3.8	3.7	3.6	3.3	3.1	3.0	3.0	3.1	3.0	3.1	3.1	3.1	3.1	3.1	3.0	3.0	-2.0%
Fuel Component	1.3	1.1	1.3	1.2	1.4	1.4	1.5	1.5	1.4	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.6%
O&M Component	3.2	3.1	3.0	3.0	2.9	2.9	2.8	2.8	2.7	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	-1.2%
Wholesale Power Cost	0.7	0.6	0.6	0.6	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	-4.4%
Total	10.0	9.5	9.4	9.0	8.9	8.4	8.5	8.4	8.2	8.1	8.0	7.6	7.4	7.3	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	-1.4%
Fuel Consumption (quadrillion Btu) 8/																									
Coal	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.15	0.14	0.13	0.13	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	-1.0%
Natural Gas	0.22	0.20	0.22	0.23	0.31	0.34	0.39	0.43	0.47	0.52	0.54	0.56	0.57	0.58	0.58	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.63	0.64	4.8%
Oil	0.23	0.22	0.29	0.26	0.28	0.22	0.20	0.13	0.08	0.06	0.03	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	-14.4%
Total	0.64	0.61	0.70	0.69	0.78	0.76	0.78	0.75	0.73	0.76	0.74	0.72	0.71	0.71	0.72	0.74	0.75	0.76	0.77	0.77	0.78	0.79	0.79	0.80	1.0%
Emissions (million short tons) 9/																									
Total Carbon	11.39	12.64	14.42	14.07	15.47	14.79	15.00	14.12	13.36	13.59	13.08	12.43	12.07	11.95	12.03	12.44	12.64	12.71	12.87	13.04	13.17	13.24	13.32	13.43	0.7%
Carbon Dioxide	41.77	46.33	52.88	51.61	56.73	54.24	54.98	51.78	48.99	49.81	47.97	45.57	44.26	43.83	44.12	45.60	46.34	46.61	47.17	47.83	48.30	48.55	48.85	49.24	0.7%
Sulfur Dioxide	0.20	0.20	0.22	0.22	0.22	0.20	0.19	0.17	0.15	0.14	0.12	0.11	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.11	0.11	0.11	0.12	0.12	-2.3%
Nitrogen Oxide	0.08	0.09	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.07	0.07	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	-0.5%

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

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-867, Annual Nonutility Power Producer Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

2/ Includes oil-, gas-, and dual-fired capability.

3/ Other includes methane, propane gas, and blast furnace gas, 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/ Cumulative additions after December 31, 1996.

6/ Cogenerators produce electricity and another form of useful energy (such as steam or heat) through the sequential use of energy.

7/ Generation to meet system load by source.

8/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.

9/ 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.

Source: 1997 (except for prices and nonutility data) Energy Information Administration (EIA), Annual Energy Review 1997, DOE/EIA-0384(97) (Washington, DC, July 1998). Other 1997 and projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 66. Electric Power Projections for EMM Region 08 - Southeastern Electric Reliability Council/Florida																						1997-			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Electricity Generating Capability 1/ (gigawatts)																									
Coal Steam	9.41	9.41	9.41	9.41	9.67	9.67	9.69	9.77	9.80	9.87	9.97	10.02	10.04	10.11	10.40	10.70	11.13	11.70	12.25	13.21	14.45	15.19	15.60	16.22	2.4%
Other Fossil Steam 2/	13.32	13.32	13.32	13.32	13.32	13.32	11.34	10.88	10.88	10.88	10.28	10.04	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	-1.3%
Combined Cycle	3.86	4.37	4.37	4.73	4.73	5.43	6.59	7.85	8.93	10.19	10.90	11.21	11.52	12.11	12.76	13.23	14.08	14.68	14.92	15.12	15.18	15.29	15.30	15.52	6.2%
Combustion Turbine/Diesel	5.47	5.47	5.47	5.47	5.47	5.47	7.46	7.92	7.86	7.86	7.86	7.86	7.86	7.97	7.97	8.22	8.49	9.02	9.38	9.38	9.38	9.40	9.66	9.66	2.5%
Nuclear Power	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.01	3.01	3.01	3.01	3.01	3.01	2.35	1.68	1.68	1.68	0.84	0.84	0.84	0.84	0.84	-6.4%
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	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	0.00	0.00	0.00	N/A
Renewable 4/	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.72	0.72	0.73	0.80	0.86	0.88	0.91	0.93	0.95	0.98	1.00	1.01	1.02	1.6%
Total Capability	36.59	37.10	37.10	37.46	37.73	38.43	39.61	40.96	42.00	42.52	42.72	42.86	43.00	43.79	44.80	45.22	46.12	47.85	49.01	49.37	50.69	51.57	52.28	53.12	1.6%
Cumulative Planned Additions 5/																									
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	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	0.00	0.00	0.00	N/A
Combined Cycle	0.00	0.51	0.51	0.51	0.51	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	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	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	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	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	0.00	0.00	0.00	N/A
Renewable 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	0.00	0.00	0.00	N/A
Total (planned)	0.00	0.51	0.51	0.51	0.51	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	28.1%
Cumulative Unplanned Additions 5/																									
Coal Steam	0.00	0.00	0.00	0.00	0.26	0.26	0.28	0.36	0.39	0.46	0.56	0.61	0.62	0.70	0.99	1.29	1.72	2.28	2.83	3.80	5.04	5.77	6.19	6.81	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	0.00	0.00	0.00	N/A
Combined Cycle	0.00	0.00	0.00	0.36	0.36	0.60	1.76	3.02	4.10	5.36	6.07	6.38	6.69	7.28	7.93	8.40	9.25	9.85	10.09	10.29	10.35	10.46	10.47	10.69	N/A
Combustion Turbine/Diesel	0.02	0.02	0.03	0.03	0.03	0.03	2.07	2.57	2.57	2.57	2.57	2.57	2.57	2.68	3.06	3.31	3.58	4.12	4.47	4.48	4.48	4.49	4.76	4.76	26.0%
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	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	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	0.00	0.00	0.00	N/A
Renewable 4/	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.19	0.25	0.32	0.34	0.36	0.38	0.41	0.44	0.46	0.47	0.48	4.8%
Total (unplanned)	0.19	0.19	0.20	0.55	0.82	1.06	4.28	6.12	7.22	8.55	9.36	9.73	10.06	10.85	12.23	13.32	14.89	16.61	17.78	18.98	20.30	21.18	21.88	22.73	23.2%
Cumulative Total Additions	0.19	0.70	0.71	1.07	1.33	2.03	5.25	7.09	8.19	9.52	10.33	10.70	11.03	11.82	13.20	14.29	15.86	17.58	18.75	19.95	21.27	22.15	22.85	23.70	23.3%
Cumulative Retirements	0.32	0.32	0.32	0.32	0.32	0.32	2.36	2.85	2.91	3.72	4.32	4.56	4.75	4.75	5.12	5.79	6.46	6.46	6.46	7.30	7.30	7.30	7.30	7.30	14.5%
Cogenerators 6/ Capacity																									
Coal	0.93	0.96	0.95	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.97	0.97	0.97	0.97	0.97	0.2%
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	0.04	0.04	0.04	0.8%
Natural Gas	1.52	1.55	1.54	1.58	1.59	1.59	1.59	1.60	1.61	1.61	1.62	1.63	1.64	1.65	1.66	1.67	1.68	1.69	1.70	1.71	1.72	1.73	1.73	1.72	0.5%
Other Gaseous Fuels	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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	1.5%
Renewables	0.45	0.49	0.49	0.49	0.50	0.50	0.50	0.51	0.51	0.52	0.52	0.53	0.53	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.56	0.57	0.57	0.57	1.0%
Other	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.9%
Total	3.00	3.09	3.08	3.15	3.17	3.17	3.17	3.18	3.20	3.21	3.22	3.24	3.25	3.26	3.28	3.30	3.31	3.33	3.35	3.36	3.37	3.39	3.39	3.38	0.5%

Table 66. Electric Power Projections for EMM Region 08 - Southeastern Electric Reliability Council/Florida																							1997-2020			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Electricity Demand (billion kilowatt-hours)																										
Residential	77.50	79.96	82.37	84.87	87.60	89.36	90.77	92.15	93.78	95.37	97.09	98.92	100.77	102.63	104.87	106.65	108.44	110.24	112.06	113.99	115.81	117.67	119.65	121.70	2.0%	
Commercial/Other	69.46	71.67	73.10	74.89	76.43	77.93	79.18	80.36	81.77	83.21	84.65	86.21	87.71	89.20	91.07	92.57	94.02	95.45	96.76	98.01	99.13	100.19	101.18	102.14	1.7%	
Industrial	14.15	14.19	14.28	14.34	14.61	14.82	14.90	15.01	15.27	15.54	15.78	15.97	16.19	16.38	16.54	16.75	16.94	17.18	17.45	17.60	17.82	18.03	18.18	18.32	1.1%	
Transportation	0.71	0.72	0.74	0.76	0.78	0.80	0.99	1.18	1.34	1.49	1.62	1.75	1.89	2.02	2.14	2.24	2.35	2.46	2.57	2.68	2.79	2.90	3.01	3.12	6.6%	
Total Sales	161.82	166.54	170.49	174.85	179.41	182.91	185.85	188.70	192.17	195.61	199.14	202.86	206.56	210.23	214.62	218.22	221.74	225.32	228.84	232.28	235.55	238.78	242.02	245.28	1.8%	
Net Energy for Load (billion kwh) 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	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	0.00	0.00	0.00	N/A	
Gross Interregional Electric Imports	23.65	25.12	25.99	28.40	29.21	29.78	28.96	28.02	27.50	27.42	26.94	27.16	27.91	26.86	26.58	27.42	27.17	25.73	26.17	25.91	25.44	25.17	25.13	24.58	0.2%	
Gross Interregional Electric Exports	1.54	1.72	0.61	0.01	0.00	0.01	0.00	0.01	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	0.03	0.09	-11.8%	
Purchases from cogenerators 6/	12.09	10.24	10.21	10.17	10.17	10.17	10.18	10.18	10.18	10.19	10.19	10.20	10.20	10.21	10.22	10.22	10.23	10.23	10.24	10.24	10.24	10.25	10.25	10.25	-0.7%	
Generation by Utilities	148.17	147.29	149.47	151.05	155.01	158.06	161.82	165.66	169.75	173.37	177.46	181.05	184.07	188.89	193.69	196.50	200.32	205.39	208.52	212.44	216.38	220.10	223.61	227.69	1.9%	
Total Net Energy for Load	182.37	180.93	185.05	189.61	194.39	198.01	200.95	203.85	207.44	210.97	214.59	218.40	222.19	225.96	230.48	234.14	237.72	241.35	244.92	248.59	252.07	255.51	258.96	262.43	1.6%	
Generation by Fuel Type (billion kilowatt-hours)																										
Coal	62.26	65.70	66.19	66.95	68.88	68.98	69.06	69.56	69.28	70.54	71.33	71.72	72.17	72.37	75.07	77.25	80.32	84.38	88.32	95.25	104.11	109.36	112.36	116.81	2.8%	
Petroleum	26.13	27.24	26.48	24.32	24.17	22.58	16.52	13.43	11.57	10.28	9.54	10.95	10.79	10.48	9.73	9.38	9.10	8.17	7.74	6.61	6.43	6.13	6.58	6.24	-6.0%	
Natural Gas	33.44	22.91	24.77	27.72	29.87	34.40	44.30	50.89	57.28	64.91	71.01	72.86	75.72	80.68	83.21	86.14	91.64	95.74	95.29	96.97	93.92	92.59	92.61	92.53	4.5%	
Nuclear	22.97	26.98	27.57	27.59	27.61	27.63	27.47	27.31	27.15	23.17	21.11	20.98	20.84	20.71	20.58	18.18	13.56	11.23	11.16	7.41	5.53	5.50	5.46	5.42	-6.1%	
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 4/	3.37	4.47	4.45	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.55	4.55	4.65	5.10	5.54	5.70	5.87	6.01	6.20	6.39	6.52	6.61	6.69	3.0%
Total Generation	148.17	147.29	149.47	151.05	155.01	158.06	161.82	165.66	169.75	173.37	177.46	181.05	184.07	188.89	193.69	196.50	200.32	205.39	208.52	212.44	216.38	220.10	223.61	227.69	1.9%	
Sales to Customers	147.52	146.64	148.82	150.40	154.36	157.41	161.23	165.07	169.16	172.78	176.87	180.46	183.48	188.30	193.10	195.91	199.73	204.80	207.93	211.85	215.79	219.50	223.02	227.10	1.9%	
Generation for Own Use	0.65	0.65	0.65	0.65	0.65	0.65	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	-0.4%	
Cogenerators																										
Coal	7.35	6.82	6.76	6.72	6.72	6.71	6.69	6.67	6.65	6.63	6.60	6.57	6.55	6.53	6.51	6.51	6.50	6.49	6.48	6.48	6.47	6.47	6.46	6.45	-0.6%	
Petroleum	0.39	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	-2.8%
Natural Gas	10.25	9.21	9.18	9.24	9.30	9.27	9.30	9.34	9.38	9.43	9.49	9.56	9.61	9.68	9.76	9.85	9.92	10.01	10.07	10.14	10.21	10.28	10.26	10.19	-0.0%	
Other Gaseous Fuels	0.16	0.19	0.19	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	0.21	1.2%
Renewable	2.80	3.04	3.07	3.14	3.20	3.24	3.28	3.32	3.39	3.47	3.54	3.60	3.67	3.73	3.78	3.83	3.87	3.92	3.98	4.02	4.06	4.10	4.13	4.17	1.7%	
Other	2.07	2.14	2.14	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	0.2%	
Total	23.03	21.59	21.54	21.69	21.80	21.81	21.86	21.91	22.01	22.12	22.22	22.32	22.42	22.52	22.64	22.77	22.88	23.01	23.13	23.23	23.33	23.44	23.44	23.41	0.1%	
Sales to Utilities	12.09	10.24	10.21	10.17	10.17	10.17	10.18	10.18	10.18	10.19	10.19	10.20	10.20	10.21	10.22	10.22	10.23	10.23	10.24	10.24	10.24	10.25	10.25	10.25	-0.7%	
Generation for Own Use	5.85	6.14	6.12	6.27	6.34	6.34	6.36	6.40	6.46	6.53	6.60	6.66	6.73	6.80	6.88	6.97	7.05	7.14	7.22	7.29	7.36	7.43	7.43	7.39	1.0%	
End-Use Prices (1997 cents per kilowatthour)																										
Residential	8.1	8.0	7.9	7.9	7.9	7.9	7.9	8.0	8.1	8.2	8.2	8.2	8.1	8.1	7.9	7.9	7.9	7.9	7.8	7.8	7.8	7.7	7.6	7.5	-0.3%	
Commercial	6.5	6.3	6.3	6.3	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.0	6.0	5.9	5.8	5.7	5.7	5.6	5.5	5.5	5.4	5.4	5.3	5.2	-1.0%	
Industrial	5.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.5	4.4	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.1	-0.8%	
Transportation	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.1	4.2	4.1	4.1	4.1	4.1	4.0	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6	3.6	-0.7%	
All Sectors Average	7.1	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.7	6.7	6.6	6.6	6.5	6.5	6.5	6.4	6.3	6.2	-0.6%	

Table 66. Electric Power Projections for EMM Region 08 - Southeastern Electric Reliability Council/Florida																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Price Components (1997 cents per kilowatthour)																									
Capital Component	3.6	3.5	3.5	3.5	3.4	3.3	3.4	3.5	3.5	3.5	3.5	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	-0.7%
Fuel Component	1.4	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	0.1%
O&M Component	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	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%
Wholesale Power Cost	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	-1.3%
Total	7.1	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.7	6.7	6.6	6.6	6.5	6.5	6.5	6.4	6.3	6.2	-0.6%
Fuel Consumption (quadrillion Btu) 8/																									
Coal	0.63	0.67	0.68	0.69	0.71	0.71	0.71	0.71	0.71	0.72	0.73	0.73	0.74	0.74	0.76	0.78	0.80	0.83	0.86	0.91	0.98	1.01	1.04	1.07	2.3%
Natural Gas	0.33	0.22	0.24	0.27	0.29	0.32	0.39	0.43	0.47	0.52	0.56	0.57	0.60	0.63	0.64	0.65	0.69	0.71	0.70	0.72	0.69	0.68	0.68	0.68	3.2%
Oil	0.27	0.29	0.28	0.26	0.25	0.24	0.17	0.14	0.12	0.11	0.10	0.11	0.11	0.11	0.10	0.10	0.09	0.08	0.08	0.07	0.07	0.06	0.07	0.06	-6.0%
Total	1.23	1.18	1.20	1.21	1.25	1.27	1.27	1.28	1.29	1.35	1.39	1.42	1.44	1.47	1.50	1.53	1.58	1.63	1.65	1.70	1.74	1.76	1.78	1.81	1.7%
Emissions (million short tons) 9/																									
Total Carbon	24.84	26.89	27.23	27.34	28.10	28.28	27.83	27.81	27.84	28.66	29.31	29.91	30.30	30.75	31.33	31.94	32.96	33.91	34.46	35.71	36.96	37.69	38.34	39.05	2.0%
Carbon Dioxide	91.07	98.60	99.83	100.23	103.02	103.68	102.04	101.96	102.07	105.09	107.47	109.68	111.09	112.75	114.88	117.10	120.87	124.33	126.35	130.95	135.54	138.20	140.57	143.18	2.0%
Sulfur Dioxide	0.40	0.44	0.45	0.42	0.43	0.43	0.41	0.40	0.39	0.39	0.38	0.39	0.39	0.36	0.39	0.40	0.40	0.40	0.40	0.41	0.42	0.43	0.44	0.44	0.4%
Nitrogen Oxide	0.26	0.28	0.28	0.23	0.23	0.23	0.22	0.22	0.21	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	-0.7%

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

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-867, Annual Nonutility Power Producer Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

2/ Includes oil-, gas-, and dual-fired capability.

3/ Other includes methane, propane gas, and blast furnace gas, 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/ Cumulative additions after December 31, 1996.

6/ Cogenerators produce electricity and another form of useful energy (such as steam or heat) through the sequential use of energy.

7/ Generation to meet system load by source.

8/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.

9/ 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.

Source: 1997 (except for prices and nonutility data) Energy Information Administration (EIA), Annual Energy Review 1997, DOE/EIA-0384(97) (Washington, DC, July 1998). Other 1997 and projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 67. Electric Power Projections for EMM Region																						1997-			
09 - Southeastern Electric Reliability Council/Excluding Florida																						2020			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Electricity Generating Capability 1/ (gigawatts)																									
Coal Steam	64.00	64.00	64.00	64.00	64.07	64.08	64.08	64.08	64.08	64.08	63.97	63.97	64.01	64.04	64.10	64.26	64.38	64.12	64.35	64.72	65.02	64.84	65.31	65.69	0.1%
Other Fossil Steam 2/	3.14	3.14	3.14	3.14	3.14	3.11	2.33	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.22	2.22	2.22	2.14	2.14	2.02	2.02	-1.9%
Combined Cycle	1.79	1.90	2.01	4.08	4.69	4.82	4.91	6.69	9.62	10.96	12.45	12.85	14.81	16.76	19.55	22.89	26.18	29.58	32.47	33.71	36.10	38.47	39.51	40.97	14.6%
Combustion Turbine/Diesel	11.77	12.79	14.27	15.34	15.83	16.49	20.96	22.81	23.43	23.38	22.03	22.26	24.43	25.21	26.75	29.56	28.92	29.56	30.75	31.56	31.96	32.41	33.49	33.75	4.7%
Nuclear Power	25.58	25.58	25.58	25.58	25.58	25.58	25.58	24.83	24.83	24.06	24.06	23.25	23.25	21.46	20.35	19.55	17.06	14.39	14.39	13.32	12.51	12.51	12.51	12.51	-3.1%
Pumped Storage/Other 3/	6.38	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	0.2%
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	0.00	0.00	0.00	N/A
Renewable 4/	11.76	11.82	11.82	11.84	11.86	11.89	11.91	11.92	11.93	11.94	11.95	11.97	11.97	12.00	12.08	12.16	12.24	12.40	12.53	12.69	12.84	12.98	13.13	13.25	0.5%
Total Capability	124.42	125.91	127.49	130.66	131.85	132.66	136.46	139.32	142.88	143.41	143.45	143.29	147.46	148.45	151.82	157.39	157.75	158.95	163.39	164.91	167.23	170.02	172.66	174.88	1.5%
Cumulative Planned Additions 5/																									
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	0.00	0.00	0.00	N/A
Other Fossil Steam 2/	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	0.08	0.08	0.08	N/A
Combined Cycle	0.00	0.11	0.22	0.22	0.76	0.76	0.76	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
Combustion Turbine/Diesel	0.81	1.22	1.95	3.00	3.49	4.01	4.57	5.27	5.51	5.51	5.51	5.51	5.51	5.51	5.51	5.51	5.51	5.51	5.51	5.51	5.51	5.51	5.51	5.51	8.7%
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	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	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	0.00	0.00	0.00	N/A
Renewable 4/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	N/A
Total (planned)	0.90	1.71	2.54	3.60	4.63	5.16	5.71	6.41	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	7.20	9.5%
Cumulative Unplanned Additions 5/																									
Coal Steam	0.00	0.00	0.00	0.00	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.13	0.15	0.22	0.37	0.49	0.75	0.99	1.36	1.65	2.00	2.48	2.86	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	0.00	0.00	0.00	N/A
Combined Cycle	0.00	0.00	0.00	2.08	2.14	2.27	2.36	4.14	6.52	7.85	9.34	9.75	11.71	13.66	16.45	19.79	23.08	26.48	29.37	30.61	33.00	35.36	36.41	37.87	N/A
Combustion Turbine/Diesel	1.01	1.63	2.41	2.43	2.43	2.60	6.89	8.04	8.43	8.72	8.74	8.98	11.14	11.92	13.83	17.62	18.36	19.01	20.20	21.01	21.47	22.06	23.14	23.40	14.6%
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	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	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	0.00	0.00	0.00	N/A
Renewable 4/	0.07	0.07	0.07	0.08	0.09	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.19	0.27	0.35	0.43	0.59	0.72	0.88	1.03	1.17	1.32	1.44	14.1%
Total (unplanned)	1.08	1.70	2.48	4.58	4.73	5.05	9.44	12.38	15.15	16.80	18.32	18.97	23.14	25.92	30.76	38.12	42.36	46.83	51.28	53.86	57.14	60.60	63.35	65.57	19.5%
Cumulative Total Additions																									
	1.98	3.41	5.03	8.18	9.36	10.21	15.16	18.79	22.35	24.00	25.52	26.17	30.34	33.12	37.97	45.32	49.56	54.04	58.48	61.06	64.35	67.80	70.55	72.77	17.0%
Cumulative Retirements																									
	1.35	1.35	1.38	1.38	1.38	1.44	2.61	3.39	3.39	4.50	5.98	6.79	6.79	8.58	10.05	11.84	15.72	19.00	19.00	20.06	21.02	21.69	21.80	21.81	12.9%
Cogenerators 6/ Capacity																									
Coal	2.57	2.68	2.67	2.68	2.68	2.68	2.68	2.68	2.69	2.69	2.69	2.69	2.70	2.70	2.70	2.70	2.70	2.71	2.71	2.71	2.71	2.72	2.72	2.72	0.2%
Petroleum	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.7%
Natural Gas	1.43	1.45	1.45	1.47	1.48	1.48	1.48	1.48	1.49	1.49	1.50	1.51	1.51	1.51	1.52	1.53	1.53	1.54	1.55	1.55	1.56	1.57	1.56	1.56	0.4%
Other Gaseous Fuels	0.07	0.07	0.07	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	1.5%
Renewables	1.77	1.90	1.90	1.92	1.94	1.96	1.96	1.97	1.99	2.01	2.03	2.04	2.06	2.08	2.09	2.11	2.12	2.14	2.16	2.17	2.18	2.19	2.20	2.21	1.0%
Other	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	0.02	0.02	0.02	0.02	0.02	0.9%
Total	5.96	6.21	6.21	6.29	6.32	6.33	6.34	6.36	6.39	6.41	6.44	6.46	6.49	6.51	6.53	6.56	6.58	6.61	6.64	6.66	6.68	6.70	6.71	6.72	0.5%

Table 67. Electric Power Projections for EMM Region 09 - Southeastern Electric Reliability Council/Excluding Florida																							1997-		
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Electricity Demand (billion kilowatthours)																									
Residential	195.94	202.16	208.27	213.78	219.87	223.37	225.89	228.32	231.47	234.61	238.01	241.64	245.29	248.93	253.94	257.85	261.74	265.78	269.72	274.01	277.95	281.96	286.28	290.76	1.7%
Commercial/Other	143.36	147.91	150.87	154.63	158.03	161.33	164.10	166.73	169.84	173.01	176.18	179.59	182.91	186.17	190.23	193.52	196.68	199.77	202.57	205.21	207.55	209.75	211.76	213.71	1.8%
Industrial	198.53	199.19	200.33	201.42	205.15	208.19	209.29	210.86	214.48	218.29	221.74	224.42	227.44	230.08	232.42	235.34	237.89	241.28	245.02	247.14	250.19	253.09	255.26	257.21	1.1%
Transportation	2.26	2.30	2.33	2.39	2.45	2.51	3.12	3.68	4.20	4.66	5.05	5.44	5.85	6.24	6.60	6.91	7.23	7.55	7.87	8.19	8.52	8.83	9.15	9.46	6.4%
Total Sales	540.09	551.55	561.80	572.21	585.50	595.40	602.39	609.58	619.98	630.56	640.98	651.09	661.48	671.41	683.19	693.62	703.53	714.38	725.18	734.55	744.21	753.63	762.46	771.14	1.6%
Net Energy for Load (billion kwh) 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	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	0.00	0.00	0.00	N/A
Gross Interregional Electric Imports	31.02	32.35	24.53	15.85	15.37	14.86	13.22	12.63	12.62	12.09	12.28	11.95	11.77	12.00	13.37	13.30	14.06	15.41	15.76	18.95	19.63	18.87	19.14	19.52	-2.0%
Gross Interregional Electric Exports	58.65	55.49	52.25	53.78	49.81	47.11	48.33	45.74	42.72	43.06	41.41	42.46	45.82	45.03	45.12	48.69	50.21	47.60	46.39	44.43	45.67	45.30	42.95	43.68	-1.3%
Purchases from cogenerators 6/	12.54	17.07	16.93	17.01	17.05	17.06	17.08	17.11	17.15	17.19	17.24	17.28	17.32	17.37	17.41	17.46	17.51	17.55	17.60	17.63	17.67	17.70	17.70	17.68	1.5%
Generation by Utilities	607.01	606.93	622.25	643.13	653.47	661.43	671.25	676.44	684.09	695.74	704.49	716.12	730.20	739.25	749.94	764.09	774.80	781.77	791.13	795.93	806.72	817.09	823.88	833.49	1.4%
Total Net Energy for Load	591.92	600.87	611.46	622.21	636.08	646.24	653.22	660.44	671.14	681.97	692.60	702.89	713.46	723.58	735.61	746.16	756.16	767.14	778.10	788.08	798.35	808.38	817.77	827.01	1.5%
Generation by Fuel Type (billion kilowatthours)																									
Coal	371.29	380.76	393.25	402.10	408.50	413.83	416.23	411.69	408.09	416.22	415.41	424.46	428.74	424.77	434.36	434.09	444.32	442.39	447.40	450.81	456.01	456.14	457.86	463.68	1.0%
Petroleum	1.81	3.44	3.12	2.33	1.97	2.44	1.71	1.42	1.39	1.41	1.43	1.49	1.33	1.46	1.47	1.29	1.35	1.33	1.23	1.25	1.27	1.32	1.25	1.25	-1.6%
Natural Gas	7.94	8.60	9.56	18.90	22.40	24.06	31.93	41.66	57.79	65.12	76.80	80.72	96.12	113.56	125.59	148.40	159.13	180.27	196.76	199.39	210.75	223.90	228.26	231.41	15.8%
Nuclear	190.17	176.22	181.05	182.17	182.89	183.32	183.53	183.77	178.85	174.96	172.73	171.26	165.75	161.06	149.54	140.78	129.90	116.54	103.63	101.27	94.54	90.62	90.47	90.29	-3.2%
Pumped Storage/Other 3/	-1.37	-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	-0.16	-0.16	-0.16	-8.9%
Renewable 4/	37.17	38.07	35.44	37.79	37.87	37.95	38.02	38.05	38.13	38.20	38.27	38.35	38.41	38.57	39.14	39.69	40.26	41.41	42.27	43.37	44.31	45.27	46.21	47.02	1.0%
Total Generation	607.01	606.93	622.25	643.13	653.47	661.43	671.25	676.44	684.09	695.74	704.49	716.12	730.20	739.25	749.94	764.09	774.80	781.77	791.13	795.93	806.72	817.09	823.88	833.49	1.4%
Sales to Customers	605.31	605.23	620.55	641.43	651.77	659.72	669.59	674.78	682.44	694.09	702.83	714.46	728.54	737.60	748.28	762.43	773.15	780.12	789.48	794.27	805.07	815.44	822.23	831.84	1.4%
Generation for Own Use	1.70	1.70	1.70	1.70	1.70	1.70	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	-0.1%
Cogenerators																									
Coal	12.91	13.52	13.49	13.50	13.48	13.45	13.40	13.35	13.29	13.24	13.17	13.10	13.04	12.97	12.94	12.92	12.90	12.88	12.86	12.85	12.83	12.81	12.80	12.78	-0.0%
Petroleum	0.53	0.71	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	0.58	0.4%
Natural Gas	2.00	3.66	3.78	3.81	3.84	3.83	3.84	3.85	3.87	3.89	3.91	3.94	3.96	3.98	4.01	4.05	4.08	4.11	4.14	4.16	4.19	4.21	4.21	4.18	3.3%
Other Gaseous Fuels	0.24	0.29	0.29	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	1.2%
Renewable	10.95	13.02	12.95	13.36	13.58	13.76	13.89	14.04	14.32	14.60	14.86	15.08	15.35	15.56	15.75	15.93	16.09	16.29	16.50	16.64	16.79	16.94	17.07	17.19	2.0%
Other	0.52	0.54	0.54	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	0.2%
Total	27.15	31.75	31.64	32.11	32.34	32.48	32.57	32.69	32.93	33.17	33.38	33.56	33.78	33.96	34.15	34.35	34.51	34.72	34.94	35.09	35.26	35.41	35.52	35.60	1.2%
Sales to Utilities	12.54	17.07	16.93	17.01	17.05	17.06	17.08	17.11	17.15	17.19	17.24	17.28	17.32	17.37	17.41	17.46	17.51	17.55	17.60	17.63	17.67	17.70	17.70	17.68	1.5%
Generation for Own Use	26.63	27.96	27.86	28.52	28.84	28.83	28.95	29.12	29.39	29.70	30.01	30.32	30.62	30.94	31.32	31.73	32.08	32.48	32.84	33.17	33.49	33.81	33.80	33.64	1.0%
End-Use Prices (1997 cents per kilowatt-hour)																									
Residential	7.4	7.3	7.2	7.2	7.1	7.1	7.2	7.2	7.2	7.2	7.1	7.1	7.1	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.8	6.7	-0.5%
Commercial	6.5	6.4	6.3	6.2	6.1	6.0	6.1	6.1	6.2	6.1	6.1	6.0	6.0	6.0	5.9	5.8	5.8	5.8	5.8	5.7	5.7	5.7	5.7	5.6	-0.6%
Industrial	4.2	4.1	4.1	4.0	4.0	3.9	3.9	4.0	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	-0.9%
Transportation	4.7	4.7	4.7	4.7	4.7	4.6	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5	4.4	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.0	4.0	-0.7%
All Sectors Average	6.0	5.9	5.8	5.8	5.7	5.7	5.7	5.8	5.8	5.7	5.7	5.6	5.6	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.4	5.3	5.3	-0.5%

Table 67. Electric Power Projections for EMM Region 09 - Southeastern Electric Reliability Council/Excluding Florida																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Price Components (1997 cents per kilowatthour)																									
Capital Component	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.1	3.1	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	-0.7%
Fuel Component	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.8%
O&M Component	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-1.1%
Wholesale Power Cost	-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	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	2.1%
Total	6.0	5.9	5.8	5.8	5.7	5.7	5.7	5.8	5.8	5.7	5.7	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3	-0.5%
Fuel Consumption (quadrillion Btu) 8/																									
Coal	3.71	3.83	3.96	4.08	4.15	4.21	4.24	4.19	4.15	4.24	4.23	4.35	4.39	4.35	4.45	4.44	4.55	4.52	4.57	4.60	4.65	4.65	4.65	4.71	1.0%
Natural Gas	0.19	0.08	0.09	0.15	0.19	0.20	0.27	0.33	0.44	0.49	0.57	0.60	0.71	0.83	0.90	1.05	1.11	1.24	1.34	1.36	1.43	1.51	1.53	1.55	9.6%
Oil	0.03	0.04	0.03	0.02	0.02	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-3.6%
Total	3.93	3.95	4.08	4.26	4.36	4.43	4.52	4.53	4.60	4.74	4.81	4.97	5.12	5.19	5.37	5.50	5.68	5.78	5.93	5.97	6.09	6.17	6.19	6.27	2.1%
Emissions (million short tons) 9/																									
Total Carbon	98.53	101.25	104.66	108.45	110.64	112.48	114.06	113.65	114.20	117.23	118.19	121.82	124.54	125.19	128.89	130.79	134.57	135.75	138.48	139.47	141.88	142.86	143.29	144.99	1.7%
Carbon Dioxide	361.28	371.25	383.75	397.65	405.68	412.44	418.21	416.73	418.73	429.85	433.37	446.68	456.64	459.02	472.59	479.55	493.41	497.74	507.77	511.40	520.24	523.83	525.39	531.65	1.7%
Sulfur Dioxide	3.09	3.09	3.21	2.68	2.68	2.61	2.63	2.57	2.49	2.61	2.53	2.26	2.27	2.13	2.22	2.18	2.29	2.33	2.32	2.29	2.29	2.29	2.25	2.30	-1.3%
Nitrogen Oxide	0.98	1.33	1.37	0.87	0.88	0.90	0.69	0.68	0.68	0.69	0.70	0.72	0.73	0.73	0.75	0.75	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.79	-0.9%

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

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-867, Annual Nonutility Power Producer Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

2/ Includes oil-, gas-, and dual-fired capability.

3/ Other includes methane, propane gas, and blast furnace gas, 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/ Cumulative additions after December 31, 1996.

6/ Cogenerators produce electricity and another form of useful energy (such as steam or heat) through the sequential use of energy.

7/ Generation to meet system load by source.

8/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.

9/ 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.

Source: 1997 (except for prices and nonutility data) Energy Information Administration (EIA), Annual Energy Review 1997, DOE/EIA-0384(97) (Washington, DC, July 1998). Other 1997 and projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 68. Electric Power Projections for EMM Region																										
10 - Southwest Power Pool																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Electricity Generating Capability 1/ (gigawatts)																										
Coal Steam	27.45	27.45	27.45	27.45	27.48	27.50	27.53	27.57	28.19	28.23	28.23	28.23	28.23	28.23	28.21	28.26	28.29	28.37	28.52	28.88	29.49	30.02	31.50	32.19	0.7%	
Other Fossil Steam 2/	30.24	30.24	30.24	30.24	30.24	30.16	26.13	21.87	21.87	21.61	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	-1.8%	
Combined Cycle	1.41	1.63	1.63	2.49	3.62	6.16	7.33	10.29	12.68	12.98	13.08	13.08	13.08	13.47	14.07	14.88	15.46	16.24	17.26	18.39	18.83	19.33	19.49	19.67	12.1%	
Combustion Turbine/Diesel	4.48	4.58	4.94	5.42	5.52	5.96	9.33	9.57	9.96	9.97	9.97	9.97	10.16	10.72	11.63	11.91	12.38	13.04	14.31	15.20	15.65	15.92	16.10	16.17	5.7%	
Nuclear Power	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.09	4.16	4.16	4.16	3.30	3.30	3.30	-2.5%	
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	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	0.00	0.00	0.00	0.00	N/A
Renewable 4/	2.79	2.90	2.91	2.91	2.92	2.92	2.93	2.93	2.94	2.95	2.96	2.98	2.99	2.99	3.01	3.03	3.05	3.07	3.11	3.17	3.25	3.33	3.45	3.52	1.0%	
Total Capability	72.80	73.23	73.59	74.94	76.21	79.14	79.68	78.66	82.07	82.18	80.54	80.55	80.75	81.71	83.22	84.37	85.48	86.18	87.72	90.16	91.74	92.26	94.20	95.20	1.2%	
Cumulative Planned Additions 5/																										
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	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	0.00	0.00	0.00	N/A	
Combined Cycle	0.05	0.27	0.27	0.61	0.61	0.80	0.80	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	14.3%	
Combustion Turbine/Diesel	0.00	0.01	0.11	0.58	0.69	1.13	1.54	1.78	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	2.17	38.6%	
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	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	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	0.00	0.00	0.00	N/A	
Renewable 4/	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	0.11	0.11	0.11	N/A	
Total (planned)	0.06	0.39	0.48	1.31	1.41	2.04	2.45	3.06	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	4.08	20.6%	
Cumulative Unplanned Additions 5/																										
Coal Steam	0.00	0.00	0.00	0.00	0.03	0.06	0.08	0.12	0.12	0.16	0.16	0.16	0.16	0.16	0.18	0.23	0.30	0.38	0.53	0.89	1.49	2.08	3.56	4.25	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	0.00	0.00	0.00	N/A	
Combined Cycle	0.00	0.00	0.00	0.52	1.65	4.00	5.17	7.75	10.14	10.45	10.55	10.55	10.55	10.94	11.54	12.34	12.93	13.71	14.73	15.86	16.30	16.79	16.96	17.13	N/A	
Combustion Turbine/Diesel	0.00	0.09	0.35	0.35	0.35	3.47	3.47	3.47	3.47	3.47	3.47	3.66	4.22	5.13	5.41	5.89	6.63	7.90	8.79	9.25	9.51	9.69	9.76	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	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	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	0.00	0.00	0.00	N/A	
Renewable 4/	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.17	0.19	0.21	0.23	0.26	0.32	0.40	0.49	0.61	0.67	11.3%	
Total (unplanned)	0.06	0.15	0.42	0.95	2.11	4.49	8.81	11.43	13.83	14.19	14.30	14.32	14.52	15.48	17.03	18.17	19.32	20.95	23.42	25.86	27.44	28.88	30.81	31.82	31.6%	
Cumulative Total Additions	0.11	0.54	0.90	2.25	3.52	6.53	11.26	14.49	17.91	18.27	18.38	18.40	18.59	19.56	21.10	22.25	23.40	25.03	27.50	29.94	31.52	32.95	34.89	35.90	28.5%	
Cumulative Retirements	1.09	1.09	1.09	1.09	1.09	1.17	5.35	9.62	9.62	9.87	11.62	11.62	11.62	11.62	11.66	11.66	11.70	12.62	13.56	13.56	13.56	14.47	14.47	14.47	11.9%	
Cogenerators 6/ Capacity																										
Coal	0.70	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	0.72	0.72	0.73	0.73	0.2%	
Petroleum	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.5%	
Natural Gas	1.77	1.83	1.82	1.92	1.94	1.93	1.94	1.96	1.97	1.99	2.01	2.03	2.05	2.07	2.10	2.13	2.15	2.18	2.20	2.22	2.25	2.27	2.26	2.25	1.1%	
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	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	1.5%	
Renewables	0.43	0.48	0.48	0.49	0.49	0.50	0.50	0.51	0.52	0.52	0.53	0.53	0.54	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.59	1.4%	
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	0.00	0.00	0.00	0.9%	
Total	3.02	3.16	3.15	3.27	3.30	3.30	3.31	3.33	3.35	3.38	3.40	3.43	3.46	3.48	3.52	3.55	3.58	3.61	3.65	3.67	3.70	3.73	3.73	3.71	0.9%	

Table 68. Electric Power Projections for EMM Region 10 - Southwest Power Pool																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Price Components (1997 cents per kilowatthour)																									
Capital Component	2.6	2.6	2.5	2.5	2.5	2.6	2.7	2.8	2.8	2.8	2.8	2.7	2.6	2.6	2.6	2.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	-0.7%
Fuel Component	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.5	-0.2%
O&M Component	1.7	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	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	-0.7%
Wholesale Power Cost	-0.1	-0.1	-0.0	0.0	0.0	-0.0	-0.0	-0.0	-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	-11.6%
Total	5.7	5.6	5.5	5.5	5.6	5.6	5.7	5.7	5.8	5.8	5.8	5.7	5.7	5.7	5.5	5.4	5.3	5.3	5.2	5.3	5.2	5.2	5.2	5.1	-0.5%
Fuel Consumption (quadrillion Btu) 8/																									
Coal	1.81	2.01	2.05	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.11	2.11	2.11	2.11	2.11	2.11	2.11	2.12	2.13	2.14	2.17	2.20	2.27	2.31	1.1%
Natural Gas	0.72	0.45	0.42	0.45	0.53	0.59	0.61	0.62	0.66	0.69	0.73	0.76	0.79	0.81	0.85	0.86	0.87	0.93	0.98	1.02	1.01	1.01	0.99	0.98	1.4%
Oil	0.04	0.14	0.13	0.09	0.07	0.04	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-7.6%
Total	2.56	2.59	2.61	2.64	2.71	2.72	2.72	2.73	2.76	2.80	2.84	2.88	2.90	2.93	2.97	2.98	2.99	3.06	3.12	3.17	3.19	3.22	3.27	3.30	1.1%
Emissions (million short tons) 9/																									
Total Carbon	60.45	63.04	63.73	64.42	65.25	65.23	65.02	65.11	65.52	66.05	66.58	67.13	67.47	67.86	68.30	68.46	68.58	69.56	70.56	71.47	72.09	72.79	74.36	75.15	1.0%
Carbon Dioxide	221.64	231.15	233.67	236.20	239.24	239.17	238.40	238.72	240.23	242.20	244.13	246.14	247.38	248.81	250.43	251.02	251.48	255.05	258.73	262.05	264.31	266.88	272.66	275.55	1.0%
Sulfur Dioxide	0.71	0.74	0.75	0.75	0.75	0.74	0.72	0.71	0.71	0.70	0.70	0.71	0.71	0.70	0.70	0.71	0.70	0.71	0.71	0.71	0.71	0.71	0.72	0.71	0.0%
Nitrogen Oxide	0.68	0.56	0.57	0.48	0.48	0.48	0.44	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	0.44	0.44	0.44	0.44	-1.8%

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

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-867, Annual Nonutility Power Producer Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

2/ Includes oil-, gas-, and dual-fired capability.

3/ Other includes methane, propane gas, and blast furnace gas, 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/ Cumulative additions after December 31, 1996.

6/ Cogenerators produce electricity and another form of useful energy (such as steam or heat) through the sequential use of energy.

7/ Generation to meet system load by source.

8/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.

9/ 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.

Source: 1997 (except for prices and nonutility data) Energy Information Administration (EIA), Annual Energy Review 1997, DOE/EIA-0384(97) (Washington, DC, July 1998). Other 1997 and projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 69. Electric Power Projections for EMM Region 11 - Western Systems Coordinating Council/NWP																								1997-	
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Electricity Generating Capacity 1/ (gigawatts)																									
Coal Steam	11.51	11.51	11.51	11.51	11.53	11.54	11.58	11.64	11.82	12.17	12.31	12.31	12.32	12.32	12.38	12.52	12.66	12.78	13.01	13.26	13.57	13.89	14.25	15.08	1.2%
Other Fossil Steam 2/	0.79	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	-5.3%
Combined Cycle	1.25	1.25	1.25	2.33	2.71	4.45	4.77	6.35	6.96	7.19	7.19	7.21	7.24	7.42	7.65	8.21	8.52	9.04	9.68	10.24	10.66	11.02	11.64	11.95	10.3%
Combustion Turbine/Diesel	2.77	2.79	3.71	3.71	4.60	4.60	6.03	5.24	5.24	5.06	5.04	5.04	4.90	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77	2.4%
Nuclear Power	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	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	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	0.00	0.00	0.00	N/A
Renewable 4/	35.36	35.43	35.44	35.47	35.50	35.54	35.58	35.64	35.72	35.78	35.84	35.91	35.99	36.07	36.13	36.21	36.31	36.46	36.53	36.62	36.76	36.90	36.98	37.09	0.2%
Total Capability	53.11	53.13	54.07	55.17	56.47	58.27	60.10	61.00	61.88	62.34	62.52	62.62	62.11	62.25	62.59	63.35	63.90	64.70	65.64	66.52	67.41	68.23	69.29	70.53	1.2%
Cumulative Planned Additions 5/																									
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	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	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	0.00	0.00	0.00	N/A
Combustion Turbine/Diesel	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	0.02	0.02	0.02	0.02	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	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	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	0.00	0.00	0.00	N/A
Renewable 4/	0.01	0.08	0.09	0.12	0.12	0.12	0.13	0.13	0.14	0.15	0.15	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	14.0%
Total (planned)	0.01	0.09	0.11	0.14	0.14	0.14	0.15	0.15	0.16	0.17	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	14.5%
Cumulative Unplanned Additions 5/																									
Coal Steam	0.00	0.00	0.00	0.00	0.01	0.03	0.07	0.12	0.31	0.65	0.79	0.79	0.80	0.81	0.86	1.00	1.14	1.27	1.49	1.74	2.06	2.38	2.74	3.56	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	0.00	0.00	0.00	N/A
Combined Cycle	0.00	0.00	0.00	1.08	1.45	3.19	3.51	5.09	5.71	5.94	5.94	5.96	5.98	6.16	6.39	6.96	7.26	7.79	8.42	8.98	9.41	9.76	10.38	10.70	N/A
Combustion Turbine/Diesel	1.50	1.50	2.43	2.43	3.31	3.31	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	5.1%
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	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	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	0.00	0.00	0.00	N/A
Renewable 4/	0.06	0.06	0.06	0.07	0.11	0.15	0.18	0.24	0.32	0.37	0.42	0.49	0.55	0.64	0.70	0.77	0.88	1.02	1.10	1.18	1.33	1.47	1.54	1.65	15.9%
Total (unplanned)	1.56	1.56	2.49	3.57	4.89	6.69	8.51	10.21	11.08	11.71	11.90	11.99	12.09	12.36	12.70	13.48	14.03	14.83	15.76	16.65	17.54	18.35	19.41	20.66	11.9%
Cumulative Total Additions	1.57	1.66	2.60	3.71	5.03	6.83	8.66	10.36	11.24	11.87	12.07	12.17	12.27	12.55	12.89	13.67	14.22	15.02	15.95	16.84	17.73	18.55	19.60	20.85	11.9%
Cumulative Retirements	2.13	2.20	2.20	2.21	2.23	2.23	2.23	3.03	3.03	3.20	3.22	3.22	3.84	3.97	3.97	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	3.99	2.8%
Cogenerators 6/ Capacity																									
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	0.13	0.13	0.13	0.13	0.13	0.13	0.3%
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	0.02	0.02	0.02	0.8%
Natural Gas	1.13	1.15	1.15	1.18	1.18	1.18	1.19	1.19	1.19	1.20	1.21	1.21	1.22	1.23	1.23	1.24	1.25	1.26	1.27	1.27	1.28	1.29	1.29	1.28	0.5%
Other Gaseous Fuels	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	0.02	0.02	0.02	0.02	0.02	1.5%
Renewables	0.51	0.55	0.56	0.56	0.57	0.58	0.58	0.58	0.59	0.59	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.65	0.65	0.66	0.66	0.66	0.67	1.2%
Other	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.9%
Total	1.79	1.87	1.86	1.91	1.92	1.93	1.93	1.94	1.95	1.96	1.98	1.99	2.00	2.01	2.03	2.04	2.06	2.07	2.09	2.10	2.11	2.12	2.12	2.12	0.7%

Table 69. Electric Power Projections for EMM Region 11 - Western Systems Coordinating Council/NWP																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Price Components (1997 cents per kilowatthour)																										
Capital Component	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.7	2.6	2.6	2.5	2.5	2.4	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.1	-0.6%	
Fuel Component	0.5	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	2.1%	
O&M Component	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	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	-0.6%	
Wholesale Power Cost	-0.1	0.1	0.2	0.1	0.1	-0.0	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	0.2	0.2	0.2	0.2	0.2	N/A	
Total	4.7	4.8	5.0	4.9	4.9	5.0	5.2	5.2	5.3	5.3	5.2	5.2	5.1	5.1	5.0	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8	0.0%	
Fuel Consumption (quadrillion Btu) 8/																										
Coal	0.80	0.74	0.88	0.86	0.88	0.89	0.89	0.90	0.91	0.92	0.93	0.94	0.94	0.94	0.94	0.95	0.96	0.96	0.98	0.99	1.01	1.02	1.04	1.08	1.3%	
Natural Gas	0.09	0.10	0.17	0.20	0.27	0.34	0.41	0.40	0.40	0.43	0.43	0.43	0.44	0.44	0.41	0.44	0.42	0.46	0.47	0.50	0.52	0.54	0.55	0.56	8.0%	
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	0.00	0.00	0.00	2.6%	
Total	0.90	0.85	1.05	1.06	1.15	1.24	1.31	1.30	1.31	1.36	1.37	1.37	1.38	1.38	1.36	1.39	1.38	1.43	1.45	1.49	1.53	1.57	1.59	1.64	2.7%	
Emissions (million short tons) 9/																										
Total Carbon	17.89	21.24	25.84	25.75	27.37	28.73	29.85	29.70	29.94	30.94	31.21	31.29	31.46	31.43	31.23	31.75	31.72	32.53	32.98	33.77	34.55	35.25	35.80	37.11	3.2%	
Carbon Dioxide	65.59	77.88	94.75	94.41	100.37	105.34	109.47	108.89	109.80	113.46	114.43	114.72	115.36	115.23	114.52	116.42	116.32	119.27	120.94	123.81	126.69	129.25	131.28	136.06	3.2%	
Sulfur Dioxide	0.12	0.15	0.18	0.17	0.17	0.18	0.18	0.18	0.18	0.17	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.8%
Nitrogen Oxide	0.20	0.16	0.20	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	-0.2%

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

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-867, Annual Nonutility Power Producer Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

2/ Includes oil-, gas-, and dual-fired capability.

3/ Other includes methane, propane gas, and blast furnace gas, 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/ Cumulative additions after December 31, 1996.

6/ Cogenerators produce electricity and another form of useful energy (such as steam or heat) through the sequential use of energy.

7/ Generation to meet system load by source.

8/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.

9/ 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.

Source: 1997 (except for prices and nonutility data) Energy Information Administration (EIA), Annual Energy Review 1997, DOE/EIA-0384(97) (Washington, DC, July 1998). Other 1997 and projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 70. Electric Power Projections for EMM Region 12 - Western Systems Coordinating Council/RA																								1997- 2020		
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Electricity Demand (billion kilowatthours)																										
Residential	35.39	36.52	37.62	39.50	41.42	42.72	43.83	44.85	45.97	47.20	48.42	49.71	51.07	52.44	53.80	54.90	56.09	57.33	58.59	59.91	61.14	62.33	63.50	64.70	2.7%	
Commercial/Other	45.55	45.99	46.91	48.38	49.67	50.98	52.12	53.16	54.26	55.34	56.59	57.88	59.19	60.44	62.06	63.39	64.68	66.03	67.25	68.48	69.59	70.54	71.44	72.30	2.0%	
Industrial	24.16	24.65	24.80	24.87	25.42	25.82	26.13	26.43	27.02	27.63	28.18	28.59	29.05	29.47	29.79	30.15	30.61	31.12	31.58	31.90	32.52	32.91	33.34	33.73	1.5%	
Transportation	0.54	0.55	0.57	0.59	0.62	0.64	0.79	0.94	1.07	1.20	1.30	1.41	1.53	1.64	1.75	1.85	1.95	2.05	2.15	2.26	2.37	2.48	2.58	2.69	7.3%	
Total Sales	105.64	107.70	109.90	113.34	117.13	120.15	122.88	125.39	128.33	131.37	134.49	137.60	140.84	143.99	147.41	150.28	153.33	156.53	159.57	162.55	165.62	168.26	170.87	173.43	2.2%	
Net Energy for Load (billion kwh) 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	0.00	0.00	0.00	N/A	
Gross International Exports	1.10	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 Electric Imports	21.69	21.61	21.15	21.75	20.94	20.80	21.86	20.75	19.05	16.35	15.90	15.32	14.68	14.17	13.34	12.76	12.65	12.25	12.75	12.34	12.52	12.31	12.09	12.39	-2.4%	
Gross Interregional Electric Exports	57.09	56.09	57.02	57.63	57.54	57.91	58.72	59.73	58.97	58.53	58.13	59.15	59.92	59.73	60.65	61.67	63.14	63.71	66.50	66.10	64.14	65.34	67.54	57.93	0.1%	
Purchases from cogenerators 6/	3.93	3.22	3.21	3.20	3.20	3.20	3.20	3.20	3.20	3.21	3.21	3.21	3.21	3.22	3.22	3.22	3.22	3.23	3.23	3.23	3.23	3.23	3.23	3.23	-0.8%	
Generation by Utilities	139.71	152.73	155.17	158.87	163.65	167.38	169.91	174.65	178.71	184.16	187.48	192.35	197.15	200.78	206.09	210.66	215.39	219.69	225.13	228.38	229.58	233.86	239.15	232.03	2.2%	
Total Net Energy for Load	107.14	120.19	122.50	126.19	130.26	133.47	136.25	138.87	141.99	145.19	148.47	151.73	155.12	158.43	162.00	164.98	168.13	171.45	174.61	177.85	181.19	184.07	186.92	189.71	2.5%	
Generation by Fuel Type (billion kilowatthours)																										
Coal	89.41	92.03	93.27	94.44	94.44	94.44	94.44	94.52	94.52	94.72	94.93	95.43	95.81	96.28	97.09	97.96	99.00	99.89	101.14	102.48	104.27	105.74	107.29	108.45	0.8%	
Petroleum	0.11	1.51	1.44	0.82	0.42	0.15	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	-1.9%	
Natural Gas	6.17	23.17	24.54	26.38	31.09	34.58	36.98	41.48	45.38	50.47	53.55	57.65	61.91	64.85	69.12	72.64	76.10	79.13	83.08	84.68	83.69	86.12	89.51	80.57	11.8%	
Nuclear	23.01	19.78	20.58	20.99	21.37	21.75	21.88	22.01	22.14	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	-0.1%	
Pumped Storage/Other 3/	0.37	-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	-0.04	-0.04	N/A	
Renewable 4/	20.65	16.28	15.37	16.28	16.36	16.50	16.58	16.61	16.65	16.69	16.73	16.99	17.15	17.38	17.61	17.80	18.02	18.40	18.64	18.95	19.34	19.73	20.08	20.73	0.0%	
Total Generation	139.71	152.73	155.17	158.87	163.65	167.38	169.91	174.65	178.71	184.16	187.48	192.35	197.15	200.78	206.09	210.66	215.39	219.69	225.13	228.38	229.58	233.86	239.15	232.03	2.2%	
Sales to Customers	139.36	152.38	154.81	158.52	163.30	167.03	169.64	174.38	178.44	183.89	187.21	192.08	196.88	200.51	205.82	210.39	215.12	219.42	224.86	228.11	229.31	233.59	238.88	231.76	2.2%	
Generation for Own Use	0.36	0.36	0.36	0.36	0.36	0.36	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	-1.2%	
Cogenerators																										
Coal	0.59	0.59	0.58	0.57	0.57	0.57	0.56	0.56	0.56	0.56	0.55	0.55	0.55	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.53	0.53	0.53	-0.4%	
Petroleum	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	0.01	0.01	0.01	8.4%	
Natural Gas	5.80	5.27	5.25	5.29	5.32	5.31	5.32	5.35	5.37	5.40	5.43	5.47	5.51	5.55	5.59	5.64	5.69	5.74	5.78	5.82	5.86	5.90	5.88	5.85	0.0%	
Other Gaseous Fuels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.2%	
Renewable	1.59	1.63	1.65	1.69	1.72	1.75	1.77	1.80	1.84	1.88	1.93	1.96	2.00	2.04	2.07	2.10	2.12	2.15	2.19	2.21	2.23	2.25	2.28	2.30	1.6%	
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	0.00	0.00	0.00	N/A	
Total	7.99	7.50	7.49	7.56	7.63	7.64	7.67	7.71	7.78	7.85	7.92	7.99	8.07	8.14	8.21	8.29	8.36	8.44	8.51	8.57	8.63	8.70	8.70	8.69	0.4%	
Sales to Utilities	3.93	3.22	3.21	3.20	3.20	3.20	3.20	3.20	3.20	3.21	3.21	3.21	3.21	3.22	3.22	3.22	3.22	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	-0.8%
Generation for Own Use	1.51	1.59	1.58	1.62	1.64	1.64	1.65	1.66	1.67	1.69	1.71	1.72	1.74	1.76	1.78	1.80	1.82	1.85	1.87	1.89	1.90	1.92	1.92	1.91	1.0%	
End-Use Prices (1997 cents per kilowatthour)																										
Residential	8.5	8.4	8.3	8.3	8.3	8.3	8.4	8.6	8.7	8.7	8.7	8.6	8.5	8.5	8.3	8.2	8.2	8.0	7.9	7.8	7.7	7.7	7.6	7.6	-0.5%	
Commercial	6.8	6.6	6.5	6.5	6.5	6.5	6.5	6.6	6.7	6.6	6.6	6.5	6.5	6.5	6.3	6.2	6.2	6.1	6.0	5.9	5.8	5.8	5.8	5.7	-0.7%	
Industrial	4.7	4.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.2	4.2	4.1	4.0	4.0	3.9	3.8	3.8	3.8	3.8	-0.9%	
Transportation	6.5	6.4	6.3	6.3	6.2	6.1	6.1	6.1	6.2	6.2	6.1	6.0	6.0	5.9	5.7	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.1	5.0	-1.1%	
All Sectors Average	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.8	6.9	6.9	6.9	6.8	6.8	6.8	6.6	6.5	6.5	6.4	6.3	6.2	6.1	6.1	6.1	6.0	-0.6%	

Table 70. Electric Power Projections for EMM Region 12 - Western Systems Coordinating Council/RA																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Price Components (1997 cents per kilowatthour)																										
Capital Component	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.5	4.5	4.5	4.4	4.3	4.2	4.2	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.5	3.5	-1.0%	
Fuel Component	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	0.3%	
O&M Component	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	-0.8%	
Wholesale Power Cost	-1.5	-1.5	-1.5	-1.5	-1.5	-1.4	-1.4	-1.4	-1.4	-1.5	-1.4	-1.5	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.3	-1.3	-1.4	-1.2	-1.1%	
Total	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.8	6.9	6.9	6.9	6.8	6.8	6.8	6.6	6.5	6.5	6.4	6.3	6.2	6.1	6.1	6.1	6.0	-0.6%	
Fuel Consumption (quadrillion Btu) 8/																										
Coal	0.95	1.00	1.01	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.04	1.04	1.05	1.06	1.06	1.07	1.08	1.09	1.10	1.12	1.13	1.14	0.8%	
Natural Gas	0.07	0.26	0.27	0.25	0.28	0.29	0.28	0.31	0.32	0.35	0.38	0.41	0.44	0.46	0.49	0.51	0.53	0.54	0.57	0.58	0.57	0.59	0.60	0.54	9.3%	
Oil	0.00	0.02	0.02	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	0.00	-2.1%	
Total	1.02	1.28	1.30	1.29	1.31	1.31	1.31	1.33	1.35	1.38	1.41	1.45	1.48	1.50	1.54	1.56	1.59	1.62	1.65	1.67	1.68	1.70	1.73	1.68	2.2%	
Emissions (million short tons) 9/																										
Total Carbon	29.40	30.53	30.98	30.96	31.19	31.28	31.25	31.57	31.83	32.35	32.81	33.42	33.93	34.28	34.90	35.39	35.91	36.37	37.00	37.41	37.66	38.18	38.70	38.03	1.1%	
Carbon Dioxide	107.80	111.93	113.58	113.52	114.35	114.71	114.57	115.77	116.70	118.61	120.29	122.53	124.43	125.71	127.98	129.77	131.68	133.35	135.67	137.17	138.09	140.00	141.91	139.44	1.1%	
Sulfur Dioxide	0.23	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.21	-0.4%
Nitrogen Oxide	0.28	0.26	0.26	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.23	-0.7%

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

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-867, Annual Nonutility Power Producer Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

2/ Includes oil-, gas-, and dual-fired capability.

3/ Other includes methane, propane gas, and blast furnace gas, 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/ Cumulative additions after December 31, 1996.

6/ Cogenerators produce electricity and another form of useful energy (such as steam or heat) through the sequential use of energy.

7/ Generation to meet system load by source.

8/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.

9/ 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.

Source: 1997 (except for prices and nonutility data) Energy Information Administration (EIA), Annual Energy Review 1997, DOE/EIA-0384(97) (Washington, DC, July 1998). Other 1997 and projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

**Table 71. Electric Power Projections for EMM Region
13 - Western Systems Coordinating Council/CNV**

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electricity Generating Capability 1/ (gigawatts)																									
Coal Steam	5.46	5.46	5.46	5.46	5.46	5.46	5.55	5.75	6.06	6.50	7.49	7.49	8.13	8.95	9.97	10.33	11.15	11.54	11.92	12.41	13.07	13.38	14.50	15.24	4.6%
Other Fossil Steam 2/	20.54	20.54	20.54	20.45	20.45	20.45	20.31	16.81	16.81	16.81	16.81	15.79	15.79	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	-1.1%
Combined Cycle	2.18	2.18	2.18	2.18	2.18	4.02	5.41	6.98	7.77	8.52	8.52	8.61	8.64	8.72	8.72	8.75	8.75	8.75	8.76	8.76	8.77	8.82	8.87	8.89	6.3%
Combustion Turbine/Diesel	3.09	3.09	3.09	3.09	3.08	3.08	4.32	4.04	5.78	5.78	5.78	5.91	6.14	6.15	6.26	6.35	6.40	6.48	6.58	6.63	6.87	7.00	7.17	7.39	3.9%
Nuclear Power	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	N/A
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	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	0.00	0.00	0.00	N/A
Renewable 4/	16.55	16.56	16.69	16.89	17.17	17.07	16.98	16.88	16.89	16.87	16.95	16.95	17.00	16.94	16.89	16.95	16.91	16.88	16.93	16.91	16.96	16.89	16.98	17.04	0.1%
Total Capability	56.67	56.68	56.81	56.92	57.20	58.95	61.43	59.33	62.17	63.35	64.41	63.62	64.56	65.37	66.46	66.98	67.83	68.27	68.80	69.33	70.29	70.71	72.14	73.17	1.1%
Cumulative Planned Additions 5/																									
Coal Steam	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	0.03	0.03	0.03	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	0.00	0.00	0.00	N/A
Combined Cycle	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	N/A
Combustion Turbine/Diesel	0.27	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	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.7%
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	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	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	0.00	0.00	0.00	N/A
Renewable 4/	0.02	0.02	0.15	0.35	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	17.4%
Total (planned)	0.46	0.47	0.59	0.80	1.07	1.07	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	4.0%
Cumulative Unplanned Additions 5/																									
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.30	0.60	1.05	2.04	2.04	2.67	3.49	4.51	4.87	5.70	6.08	6.46	6.96	7.61	7.92	9.05	9.78	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	0.00	0.00	0.00	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	1.85	3.23	4.80	5.59	6.34	6.34	6.44	6.46	6.54	6.55	6.57	6.58	6.58	6.58	6.59	6.59	6.65	6.70	6.72	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	1.20	1.20	2.94	2.94	2.94	3.07	3.30	3.31	3.42	3.50	3.56	3.64	3.74	3.79	4.03	4.16	4.33	4.55	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	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	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	0.00	0.00	0.00	N/A
Renewable 4/	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.05	0.13	0.20	0.21	0.26	0.31	0.37	0.42	0.50	0.54	0.59	0.62	0.68	0.73	0.82	0.88	N/A
Total (unplanned)	0.00	0.00	0.00	0.00	0.01	1.86	4.55	6.34	9.18	10.47	11.53	11.76	12.70	13.65	14.85	15.37	16.33	16.84	17.37	17.96	18.91	19.46	20.89	21.93	N/A
Cumulative Total Additions	0.46	0.47	0.59	0.80	1.08	2.93	5.67	7.46	10.30	11.59	12.65	12.88	13.82	14.77	15.97	16.49	17.45	17.96	18.49	19.08	20.03	20.58	22.01	23.05	18.6%
Cumulative Retirements	2.87	2.87	2.87	2.96	2.97	3.08	3.33	7.22	7.22	7.32	7.32	8.34	8.34	8.49	8.60	8.60	8.71	8.78	8.78	8.83	8.83	8.96	8.96	8.96	5.1%
Cogenerators 6/ Capacity																									
Coal	0.45	0.46	0.46	0.46	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.3%
Petroleum	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.5%
Natural Gas	6.02	6.13	6.12	6.27	6.30	6.29	6.31	6.33	6.35	6.39	6.42	6.45	6.48	6.52	6.56	6.61	6.65	6.69	6.73	6.77	6.80	6.84	6.83	6.80	0.5%
Other Gaseous Fuels	0.03	0.03	0.03	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	1.5%
Renewables	0.87	0.95	0.96	0.97	0.99	0.99	1.00	1.01	1.02	1.03	1.04	1.05	1.07	1.08	1.09	1.10	1.11	1.12	1.13	1.14	1.15	1.16	1.17	1.18	1.3%
Other	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.9%
Total	7.45	7.66	7.65	7.84	7.88	7.88	7.90	7.93	7.97	8.02	8.06	8.11	8.15	8.20	8.25	8.31	8.36	8.41	8.47	8.51	8.56	8.60	8.60	8.58	0.6%

Table 71. Electric Power Projections for EMM Region 13 - Western Systems Coordinating Council/CNV																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Electricity Demand (billion kilowatthours)																									
Residential	76.14	78.56	80.94	83.18	85.49	86.60	87.20	88.14	89.01	89.95	90.77	91.47	92.34	93.44	94.83	95.97	97.46	98.67	100.18	101.79	103.52	104.94	106.58	108.12	1.5%
Commercial/Other	93.57	96.47	98.40	100.21	101.85	103.89	105.30	106.79	108.39	109.81	111.43	112.90	114.61	116.35	118.15	119.62	121.13	122.43	123.50	124.66	125.80	126.50	127.66	128.64	1.4%
Industrial	61.78	63.07	63.49	66.05	67.56	68.76	69.73	70.59	72.15	73.79	75.24	76.38	77.58	78.72	79.55	80.49	81.71	83.03	84.29	85.21	86.96	88.08	89.15	90.21	1.7%
Transportation	1.54	1.56	1.59	1.63	1.67	1.72	2.13	2.51	2.86	3.17	3.44	3.71	3.99	4.26	4.52	4.73	4.95	5.17	5.40	5.63	5.86	6.08	6.31	6.53	6.5%
Total Sales	233.03	239.67	244.41	251.08	256.57	260.97	264.36	268.02	272.41	276.72	280.88	284.46	288.52	292.78	297.05	300.82	305.26	309.30	313.37	317.29	322.14	325.61	329.70	333.50	1.6%
Net Energy for Load (billion kwh) 7/																									
Gross International Imports	0.00	0.00	0.00	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13	12.13	N/A
Gross International Exports	2.03	1.91	1.15	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	-0.9%
Gross Interregional Electric Imports	76.63	62.16	61.27	69.10	76.12	83.35	84.96	86.73	85.70	88.74	83.96	81.43	79.66	76.57	72.91	75.50	73.48	77.72	79.77	82.27	81.01	84.27	86.08	80.99	0.2%
Gross Interregional Electric Exports	11.46	11.24	10.38	9.34	9.32	9.33	9.90	9.31	7.13	7.11	7.22	7.12	7.12	7.28	7.29	7.18	7.19	7.11	7.11	7.11	7.11	7.11	7.11	7.11	-2.1%
Purchases from cogenerators 6/	38.02	34.41	34.36	34.10	34.19	34.20	34.26	34.32	34.40	34.49	34.59	34.68	34.77	34.87	34.97	35.07	35.16	35.26	35.35	35.43	35.50	35.58	35.57	35.53	-0.3%
Generation by Utilities	176.03	188.62	192.92	179.29	178.04	175.43	177.64	178.93	182.31	183.64	192.74	198.67	204.53	212.07	219.99	220.95	227.39	227.04	229.02	230.72	237.20	237.64	240.30	249.57	1.5%
Total Net Energy for Load	277.20	272.04	277.02	284.10	289.93	294.50	297.78	301.45	306.00	310.43	314.69	318.23	322.36	326.68	331.03	334.81	339.31	343.38	347.49	351.77	357.06	360.84	365.30	369.44	1.3%
Generation by Fuel Type (billion kilowatthours)																									
Coal	34.90	37.57	38.11	38.62	38.62	38.61	39.30	40.74	42.94	46.14	53.26	53.26	57.84	63.72	71.05	73.60	79.39	82.14	84.87	88.43	93.12	95.33	103.43	108.71	5.1%
Petroleum	1.03	11.99	13.46	8.51	7.78	3.93	1.99	0.92	0.82	0.81	0.82	0.42	0.43	0.09	0.11	0.09	0.10	0.10	0.09	0.08	0.11	0.11	0.08	0.04	-13.5%
Natural Gas	40.57	38.90	43.17	29.91	28.10	29.55	33.24	34.41	35.57	33.40	34.91	41.23	42.17	44.22	44.72	42.81	43.31	40.43	39.39	37.35	38.79	36.70	30.85	34.64	-0.7%
Nuclear	36.81	36.63	37.60	37.81	37.92	38.03	38.06	38.10	38.13	38.16	38.16	38.16	38.16	38.16	38.16	38.15	38.15	38.14	38.14	38.13	38.13	38.12	38.12	38.12	0.1%
Pumped Storage/Other 3/	1.86	-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	-0.44	-0.44	N/A
Renewable 4/	60.86	63.97	61.03	64.87	66.06	65.76	65.48	65.21	65.30	65.56	66.03	66.06	66.38	66.33	66.39	66.74	66.90	66.67	66.98	67.17	67.49	67.81	68.26	68.60	0.5%
Total Generation	176.03	188.62	192.92	179.29	178.04	175.43	177.64	178.93	182.31	183.64	192.74	198.67	204.53	212.07	219.99	220.95	227.39	227.04	229.02	230.72	237.20	237.64	240.30	249.57	1.5%
Sales to Customers	173.34	185.93	190.23	176.61	175.35	172.74	175.12	176.48	179.86	181.18	190.28	196.28	202.14	209.73	217.64	218.61	225.05	224.69	226.67	228.38	234.85	235.29	237.95	247.22	1.6%
Generation for Own Use	2.69	2.69	2.69	2.69	2.69	2.69	2.52	2.45	2.45	2.45	2.45	2.39	2.39	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	-0.6%
Cogenerators																									
Coal	3.83	3.85	3.79	3.74	3.73	3.72	3.71	3.70	3.68	3.67	3.65	3.63	3.61	3.60	3.59	3.58	3.58	3.57	3.57	3.56	3.56	3.55	3.55	3.55	-0.3%
Petroleum	0.34	1.52	1.72	1.37	0.74	0.71	0.70	0.69	0.54	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.50	0.51	0.50	0.51	0.51	0.51	0.50	0.49	1.7%
Natural Gas	49.00	45.43	45.09	45.79	46.72	46.61	46.77	46.97	47.33	47.64	47.95	48.30	48.59	48.97	49.39	49.85	50.26	50.69	51.05	51.42	51.77	52.13	52.02	51.70	0.2%
Other Gaseous Fuels	0.26	0.31	0.31	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	1.2%
Renewable	6.48	6.75	6.81	6.98	7.12	7.23	7.32	7.42	7.59	7.77	7.94	8.08	8.25	8.39	8.51	8.63	8.73	8.85	8.99	9.08	9.18	9.27	9.35	9.44	1.6%
Other	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.2%
Total	59.94	57.89	57.75	58.24	58.68	58.65	58.86	59.14	59.51	59.96	60.42	60.90	61.34	61.83	62.36	62.93	63.44	63.99	64.48	64.93	65.38	65.83	65.79	65.54	0.4%
Sales to Utilities	38.02	34.41	34.36	34.10	34.19	34.20	34.26	34.32	34.40	34.49	34.59	34.68	34.77	34.87	34.97	35.07	35.16	35.26	35.35	35.43	35.50	35.58	35.57	35.53	-0.3%
Generation for Own Use	9.60	10.07	10.04	10.28	10.39	10.39	10.43	10.49	10.59	10.70	10.81	10.93	11.03	11.15	11.28	11.43	11.56	11.70	11.83	11.95	12.07	12.18	12.18	12.12	1.0%
End-Use Prices (1997 cents per kilowatthour)																									
Residential	11.5	9.8	9.6	9.4	9.2	9.0	8.9	8.8	8.9	9.0	9.2	9.4	9.6	9.6	9.6	9.6	9.6	9.8	9.7	9.7	9.5	9.6	9.4	9.4	-0.9%
Commercial	10.1	9.5	9.3	9.2	8.9	8.5	8.4	8.3	8.2	8.2	8.1	8.1	8.1	8.0	8.0	8.0	8.0	8.1	8.1	8.1	8.0	8.1	7.9	7.8	-1.1%
Industrial	7.0	6.7	6.6	6.5	6.3	6.7	6.6	6.3	5.8	5.4	5.1	5.1	5.1	5.1	5.1	5.1	5.0	5.1	5.0	5.1	5.0	5.1	5.0	4.9	-1.5%
Transportation	6.4	6.9	6.8	6.7	6.5	6.5	6.4	6.2	6.1	6.1	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.2	6.1	6.1	6.0	6.1	6.0	6.1	-0.3%
All Sectors Average	9.7	8.9	8.7	8.5	8.3	8.2	8.1	7.9	7.8	7.7	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.8	7.7	7.7	7.7	7.7	7.5	7.5	-1.1%

Table 71. Electric Power Projections for EMM Region 13 - Western Systems Coordinating Council/CNV																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Price Components (1997 cents per kilowatthour)																										
Capital Component	5.1	4.3	4.1	4.1	3.9	3.8	3.8	3.7	3.5	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.8	3.9	3.8	3.9	3.8	3.9	3.7	3.7	-1.4%	
Fuel Component	0.6	0.8	0.9	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.6	-0.3%	
O&M Component	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	-0.6%	
Wholesale Power Cost	1.6	1.3	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	-1.6%	
Total	9.7	8.9	8.7	8.5	8.3	8.2	8.1	7.9	7.8	7.7	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.8	7.7	7.7	7.7	7.7	7.5	7.5	-1.1%	
Fuel Consumption (quadrillion Btu) 8/																										
Coal	0.35	0.40	0.41	0.41	0.41	0.41	0.42	0.43	0.45	0.48	0.54	0.54	0.57	0.62	0.67	0.69	0.73	0.75	0.77	0.80	0.83	0.85	0.90	0.94	4.4%	
Natural Gas	0.43	0.40	0.44	0.31	0.29	0.27	0.27	0.25	0.25	0.24	0.25	0.30	0.30	0.32	0.32	0.31	0.31	0.29	0.28	0.27	0.28	0.26	0.22	0.25	-2.3%	
Oil	0.01	0.12	0.13	0.08	0.08	0.04	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-13.8%	
Total	0.79	0.92	0.98	0.81	0.78	0.72	0.71	0.70	0.72	0.73	0.80	0.84	0.88	0.93	0.99	1.00	1.04	1.04	1.06	1.07	1.11	1.11	1.13	1.19	1.8%	
Emissions (million short tons) 9/																										
Total Carbon	15.00	19.01	20.15	17.28	16.87	15.68	15.47	15.37	15.86	16.32	18.06	18.64	19.69	21.00	22.52	22.81	23.99	24.23	24.62	25.08	26.13	26.32	27.24	28.55	2.8%	
Carbon Dioxide	55.00	69.71	73.87	63.35	61.85	57.49	56.71	56.37	58.17	59.85	66.22	68.35	72.21	77.00	82.58	83.64	87.97	88.83	90.27	91.95	95.79	96.50	99.87	104.69	2.8%	
Sulfur Dioxide	0.10	0.11	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	-0.3%
Nitrogen Oxide	0.16	0.12	0.12	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	0.10	-1.9%

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

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-867, Annual Nonutility Power Producer Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

2/ Includes oil-, gas-, and dual-fired capability.

3/ Other includes methane, propane gas, and blast furnace gas, 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/ Cumulative additions after December 31, 1996.

6/ Cogenerators produce electricity and another form of useful energy (such as steam or heat) through the sequential use of energy.

7/ Generation to meet system load by source.

8/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.

9/ 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.

Source: 1997 (except for prices and nonutility data) Energy Information Administration (EIA), Annual Energy Review 1997, DOE/EIA-0384(97) (Washington, DC, July 1998). Other 1997 and projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 72. Electric Power Projections for the United States																							1997-			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020	
Electricity Generating Capacity 1/ (gigawatts)																										
Coal Steam	304.72	305.20	304.75	305.43	305.81	305.86	304.00	304.13	305.22	305.87	306.99	307.12	307.87	308.87	310.40	311.55	313.27	314.38	316.18	318.97	322.53	324.70	329.12	333.03	0.4%	
Other Fossil Steam 2/	138.66	138.59	138.59	138.42	138.30	138.16	121.19	105.34	101.65	97.89	89.98	84.55	80.22	80.18	79.83	79.81	79.53	79.53	79.53	79.44	78.49	76.67	75.69	-2.6%		
Combined Cycle	16.38	17.21	17.32	27.06	31.24	44.01	53.60	72.85	88.67	99.77	107.59	111.86	118.66	126.02	135.74	145.46	154.79	165.59	175.94	184.34	192.78	199.63	205.19	211.46	11.8%	
Combustion Turbine/Diesel	78.23	89.07	95.64	98.93	102.17	107.28	124.55	132.77	141.11	141.73	141.71	142.96	147.42	151.02	155.95	161.20	162.80	167.99	174.92	177.91	180.35	181.97	185.89	186.73	3.9%	
Nuclear Power	99.05	95.45	95.45	94.84	94.84	94.84	91.22	88.34	87.36	82.22	79.53	78.71	77.63	74.18	72.30	70.34	66.09	58.41	56.37	51.36	49.73	48.87	48.87	48.87	-3.0%	
Pumped Storage/Other 3/	19.55	19.85	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	21.52	0.4%	
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	0.00	0.00	0.00	2.4%	
Renewable 4/	87.92	88.46	89.23	89.73	90.20	90.52	90.68	90.77	91.05	91.24	91.48	91.72	91.97	92.14	92.39	92.75	93.04	93.49	93.89	94.34	94.97	95.45	96.06	96.68	0.4%	
Total Capability	744.51	753.85	762.51	775.93	784.08	802.19	806.77	815.74	836.59	840.25	838.81	838.46	845.29	853.94	868.14	882.65	891.33	900.90	918.36	927.98	941.33	950.64	963.34	973.99	1.2%	
Cumulative Planned Additions 5/																										
Coal Steam	0.09	0.09	0.09	0.90	0.82	0.82	0.82	0.82	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	N/A	
Other Fossil Steam 2/	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	0.09	0.09	0.09	N/A	
Combined Cycle	0.71	1.55	1.65	1.99	2.54	3.63	3.76	4.78	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32	N/A	
Combustion Turbine/Diesel	1.46	2.43	3.85	6.72	7.82	11.34	13.90	16.67	18.56	18.56	18.56	18.56	18.56	18.56	18.56	18.56	18.56	18.56	18.56	18.56	18.56	18.56	18.56	18.56	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	0.00	0.00	0.00	N/A	
Pumped Storage/Other 3/	0.00	0.30	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	1.97	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	0.00	0.00	0.00	N/A	
Renewable 4/	0.09	0.50	1.20	1.60	2.00	2.27	2.34	2.38	2.46	2.52	2.58	2.64	2.71	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	2.76	N/A	
Total (planned)	2.45	4.96	8.86	13.27	15.26	20.13	22.88	26.72	29.85	29.91	29.97	30.03	30.10	30.15	30.15	30.15	30.15	30.15	30.15	30.15	30.15	30.15	30.15	30.15	N/A	
Cumulative Unplanned Additions 5/																										
Coal Steam	0.00	0.00	0.00	0.00	0.42	0.46	0.64	1.03	1.54	2.48	3.74	3.86	4.61	5.61	7.18	8.33	10.09	11.72	13.52	16.31	19.87	22.63	27.05	30.96	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	0.00	0.00	0.00	N/A	
Combined Cycle	0.00	0.00	0.00	9.40	13.03	24.71	34.17	52.41	67.68	78.78	86.60	90.87	97.66	105.02	114.74	124.46	133.80	144.60	154.95	163.35	171.79	178.64	184.20	190.47	N/A	
Combustion Turbine/Diesel	20.23	30.13	35.45	35.73	37.88	39.51	55.11	62.21	68.81	70.02	71.39	72.64	77.25	81.08	86.71	92.94	95.94	101.22	108.16	111.15	113.63	115.39	119.32	120.16	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	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	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	0.00	0.00	0.00	N/A	
Renewable 4/	0.82	0.83	0.85	0.88	0.95	1.03	1.10	1.21	1.35	1.54	1.71	1.89	2.07	2.30	2.65	3.02	3.42	3.94	4.34	4.85	5.47	6.08	6.69	7.31	N/A	
Total (unplanned)	21.05	30.96	36.30	46.01	52.28	65.72	91.03	116.86	139.38	152.81	163.44	169.26	181.59	194.02	211.29	228.76	243.24	261.47	280.97	295.65	310.77	322.74	337.26	348.89	N/A	
Cumulative Total Additions	23.50	35.93	45.16	59.28	67.54	85.85	113.91	143.58	169.23	182.71	193.41	199.29	211.69	224.17	241.44	258.91	273.39	291.62	311.12	325.80	340.92	352.89	367.41	379.04	N/A	
Cumulative Retirements	14.77	18.43	18.47	19.41	19.60	19.88	43.54	64.33	68.66	78.01	90.14	96.38	101.94	105.73	108.85	111.81	117.61	126.26	128.30	133.36	135.14	137.79	139.61	140.60	N/A	
Cogenerators 6/ Capacity																										
Coal	9.19	9.66	9.64	9.66	9.68	9.69	9.70	9.70	9.72	9.74	9.75	9.75	9.76	9.76	9.77	9.78	9.79	9.80	9.82	9.83	9.84	9.84	9.85	9.86	0.3%	
Petroleum	1.23	1.31	1.31	1.31	1.32	1.32	1.32	1.33	1.33	1.33	1.34	1.34	1.35	1.35	1.35	1.36	1.36	1.36	1.36	1.37	1.37	1.37	1.37	1.37	0.5%	
Natural Gas	33.41	34.04	33.95	34.82	34.99	34.93	35.02	35.14	35.27	35.44	35.62	35.81	35.98	36.18	36.41	36.67	36.89	37.14	37.34	37.55	37.75	37.95	37.90	37.74	0.5%	
Other Gaseous Fuels	0.63	0.63	0.63	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.5%	
Renewables	6.85	7.40	7.43	7.52	7.60	7.66	7.69	7.73	7.82	7.91	7.98	8.05	8.13	8.19	8.26	8.33	8.39	8.47	8.55	8.60	8.66	8.72	8.76	8.81	1.1%	
Other	0.12	0.12	0.12	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	0.9%	
Total	51.43	53.15	53.08	54.36	54.64	54.66	54.78	54.95	55.18	55.46	55.73	56.00	56.26	56.53	56.84	57.18	57.47	57.81	58.12	58.38	58.66	58.93	58.93	58.82	0.6%	

Table 72. Electric Power Projections for the United States																								1997-	
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Electricity Demand (billion kilowatthours)																									
Residential	1070.6	1104.6	1137.9	1170.6	1205.3	1222.8	1234.4	1246.1	1260.8	1275.3	1290.5	1306.7	1322.8	1339.4	1363.5	1383.7	1404.3	1424.4	1444.7	1466.7	1486.9	1507.1	1529.1	1551.6	1.6%
Commercial/Other	1007.5	1037.8	1058.6	1079.7	1097.8	1116.5	1130.8	1144.8	1161.2	1176.4	1193.4	1211.5	1229.1	1246.4	1267.2	1285.4	1302.1	1317.5	1330.8	1343.4	1354.4	1363.3	1373.2	1381.9	1.4%
Industrial	1031.6	1042.5	1045.1	1059.0	1077.9	1092.8	1100.4	1109.5	1129.1	1150.4	1167.7	1181.4	1196.1	1209.5	1219.5	1232.9	1244.9	1260.7	1279.1	1288.4	1304.4	1317.7	1328.4	1338.0	1.1%
Transportation	15.9	16.1	16.4	16.7	17.1	17.5	21.7	25.5	29.0	32.1	34.8	37.4	40.1	42.7	45.1	47.1	49.1	51.2	53.3	55.3	57.4	59.4	61.4	63.4	6.2%
Total Sales	3125.6	3201.0	3258.0	3326.0	3398.1	3449.5	3487.3	3526.0	3580.1	3634.2	3686.4	3737.0	3788.0	3837.9	3895.2	3949.2	4000.4	4053.8	4108.0	4153.8	4203.2	4247.5	4292.2	4334.9	1.4%
Net Energy for Load (billion kwh) 7/																									
Gross International Imports	41.98	46.83	44.95	58.14	57.14	55.15	56.89	56.85	54.05	54.16	54.32	52.90	53.24	52.18	51.31	50.29	49.31	48.45	49.22	49.24	49.27	49.23	49.01	48.98	0.7%
Gross International Exports	10.04	12.38	15.94	15.28	15.40	15.51	20.83	20.97	21.10	21.24	21.37	21.51	21.65	21.79	21.79	21.79	21.79	21.79	21.79	21.79	21.79	21.79	21.79	21.79	3.4%
Gross Interregional Electric Imports	276.1	257.7	245.1	244.8	245.4	245.3	245.8	238.2	229.1	228.9	222.4	218.2	219.3	214.4	214.2	217.8	218.8	222.4	225.5	230.4	231.8	234.8	234.6	230.8	-0.8%
Gross Interregional Electric Exports	277.9	259.2	246.4	246.4	247.1	247.0	247.6	239.8	230.7	230.5	223.9	219.6	220.8	215.8	215.5	219.2	220.2	223.9	227.0	232.0	233.5	236.6	236.4	232.5	-0.8%
Purchases from cogenerators 6/	182.6	179.1	178.6	178.0	178.3	178.3	178.5	178.7	178.9	179.2	179.5	179.8	180.1	180.4	180.8	181.1	181.4	181.7	182.0	182.3	182.5	182.8	182.7	182.6	-0.0%
Generation by Utilities	3191.7	3281.2	3345.7	3403.3	3479.7	3534.3	3575.1	3613.6	3671.8	3726.7	3779.2	3831.5	3882.6	3933.9	3992.5	4047.7	4099.8	4154.1	4207.8	4256.6	4308.9	4356.2	4404.2	4449.9	1.5%
Total Net Energy for Load	3404.5	3493.3	3551.9	3622.6	3698.0	3750.6	3787.9	3826.5	3882.1	3937.2	3990.2	4041.3	4092.9	4143.4	4201.5	4255.9	4307.3	4361.0	4415.7	4464.6	4517.2	4564.6	4612.4	4658.0	1.4%
Generation by Fuel Type (billion kilowatthours)																									
Coal	1795.8	1840.6	1901.1	1930.9	1956.4	1967.5	1975.6	1976.1	1976.0	1998.9	2010.6	2032.5	2045.4	2045.9	2078.6	2084.6	2111.4	2124.6	2150.5	2173.9	2207.9	2231.6	2262.0	2298.4	1.1%
Petroleum	82.1	111.5	117.1	101.4	98.3	78.7	60.8	46.4	36.2	33.0	28.7	29.1	28.3	27.8	27.1	26.7	26.2	25.7	25.5	24.1	24.2	24.1	24.4	24.0	-5.2%
Natural Gas	299.0	308.4	316.7	337.8	385.7	444.2	505.2	570.5	648.8	706.3	766.8	812.6	857.3	918.8	968.2	1029.5	1071.0	1145.3	1212.7	1252.2	1293.8	1325.8	1343.3	1349.4	6.8%
Nuclear	628.6	647.0	658.7	659.5	663.1	666.3	655.2	641.5	630.3	606.7	589.9	572.6	565.5	553.9	529.0	514.9	496.9	461.0	418.9	402.9	375.3	363.2	359.0	358.5	-2.4%
Pumped Storage/Other 3/	-3.0	-0.9	-1.4	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-1.8	-2.2%
Renewable 4/	389.1	374.7	353.4	375.6	377.9	379.4	380.1	380.8	382.3	383.6	385.0	386.4	387.9	389.3	391.4	393.8	396.2	399.3	401.9	405.2	409.3	413.4	417.2	421.2	0.3%
Total Generation	3191.7	3281.2	3345.7	3403.3	3479.7	3534.3	3575.1	3613.6	3671.8	3726.7	3779.2	3831.5	3882.6	3933.9	3992.5	4047.7	4099.8	4154.1	4207.8	4256.6	4308.9	4356.2	4404.2	4449.9	1.5%
Sales to Customers	3182.1	3271.6	3336.1	3393.7	3470.1	3524.7	3566.0	3604.6	3662.8	3717.7	3770.2	3822.6	3873.7	3925.1	3983.7	4038.9	4091.0	4145.3	4199.0	4247.8	4300.3	4347.5	4395.5	4441.2	1.5%
Generation for Own Use	9.6	9.6	9.6	9.6	9.6	9.6	9.2	9.0	9.0	9.0	9.0	8.9	8.9	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.7	8.7	8.7	8.7	-0.4%
Cogenerators																									
Coal	59.68	58.62	58.11	57.82	57.70	57.56	57.31	57.05	56.79	56.51	56.17	55.83	55.50	55.18	55.01	54.92	54.81	54.71	54.63	54.55	54.47	54.39	54.31	54.24	-0.4%
Petroleum	9.85	8.37	8.42	8.15	7.52	7.50	7.48	7.48	7.34	7.32	7.32	7.33	7.33	7.34	7.34	7.34	7.34	7.34	7.34	7.34	7.35	7.35	7.34	7.33	-1.3%
Natural Gas	210.16	209.08	208.39	210.25	212.15	211.61	212.23	213.07	214.10	215.36	216.69	218.19	219.43	221.00	222.80	224.77	226.52	228.36	229.89	231.47	232.96	234.52	234.02	232.62	0.4%
Other Gaseous Fuels	3.94	4.74	4.74	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	5.16	5.16	5.16	5.16	1.2%
Renewable	40.65	47.10	47.14	48.42	49.27	49.95	50.44	51.03	52.10	53.15	54.15	55.00	56.01	56.81	57.54	58.25	58.85	59.60	60.41	60.94	61.54	62.08	62.58	63.06	1.9%
Other	3.94	4.06	4.06	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	4.13	0.2%
Total	328.22	331.97	330.86	333.93	335.93	335.91	336.76	337.93	339.62	341.63	343.62	345.63	347.56	349.62	351.98	354.56	356.80	359.30	361.56	363.59	365.60	367.63	367.54	366.54	0.5%
Sales to Utilities	182.61	179.12	178.55	177.97	178.26	178.31	178.49	178.69	178.95	179.24	179.54	179.84	180.14	180.44	180.76	181.11	181.40	181.72	182.01	182.26	182.50	182.75	182.73	182.60	-0.0%
Generation for Own Use	145.60	152.85	152.31	155.95	157.67	157.60	158.27	159.24	160.67	162.39	164.08	165.79	167.42	169.18	171.22	173.46	175.40	177.57	179.55	181.33	183.10	184.88	184.81	183.94	1.0%
End-Use Prices (1997 cents per kilowatthour)																									
Residential	8.5	8.2	8.1	8.0	7.8	7.7	7.8	7.8	7.8	7.8	7.7	7.7	7.7	7.7	7.6	7.5	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.1	-0.8%
Commercial	7.6	7.4	7.3	7.2	7.1	6.9	6.9	6.9	6.9	6.8	6.8	6.7	6.6	6.6	6.5	6.4	6.3	6.3	6.2	6.2	6.2	6.1	6.1	6.0	-1.0%
Industrial	4.6	4.5	4.5	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.2	4.1	4.1	4.1	4.0	3.9	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6	-1.0%
Transportation	5.6	5.6	5.5	5.4	5.3	5.2	5.3	5.2	5.2	5.1	5.1	5.0	5.0	5.0	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.5	4.5	4.4	-1.0%
All Sectors Average	6.9	6.7	6.7	6.6	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.2	6.2	6.1	6.0	6.0	5.9	5.9	5.8	5.8	5.8	5.7	5.7	5.6	-0.9%

Table 72. Electric Power Projections for the United States																								1997-		
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020	
Price Components (1997 cents per kilowatthour)																										
Capital Component	3.6	3.5	3.4	3.4	3.3	3.2	3.2	3.3	3.2	3.2	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.7	2.6	-1.3%	
Fuel Component	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	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.2	0.4%	
O&M Component	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	-0.9%	
Wholesale Power Cost	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	0.1	0.1	0.1	0.1	0.1	-1.9%	
Total	6.9	6.7	6.7	6.6	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.2	6.2	6.1	6.0	6.0	5.9	5.9	5.8	5.8	5.8	5.7	5.7	5.6	-0.9%	
Fuel Consumption (quadrillion Btu) 8/																										
Coal	18.59	19.18	19.84	20.19	20.46	20.59	20.68	20.69	20.68	20.91	21.02	21.28	21.42	21.41	21.72	21.76	22.01	22.12	22.35	22.54	22.82	23.00	23.21	23.51	1.0%	
Natural Gas	3.40	3.22	3.28	3.30	3.70	4.00	4.34	4.58	5.03	5.40	5.81	6.14	6.44	6.84	7.13	7.50	7.73	8.21	8.61	8.84	9.09	9.28	9.35	9.36	4.5%	
Oil	0.87	1.18	1.25	1.08	1.05	0.84	0.65	0.49	0.38	0.35	0.31	0.31	0.30	0.30	0.29	0.28	0.28	0.27	0.27	0.26	0.26	0.26	0.26	0.26	-5.1%	
Total	22.86	23.58	24.36	24.57	25.21	25.42	25.66	25.76	26.09	26.66	27.13	27.73	28.16	28.54	29.14	29.54	30.02	30.60	31.23	31.63	32.16	32.54	32.82	33.12	1.6%	
Emissions (million short tons) 9/																										
Total Carbon	541.22	572.96	592.22	598.15	610.65	613.88	617.22	617.67	621.67	632.38	640.16	651.73	659.33	664.86	677.08	683.37	693.10	702.62	714.62	722.43	733.34	740.82	747.40	754.98	1.5%	
Carbon Dioxide	1984.5	2100.9	2171.5	2193.2	2239.1	2250.9	2263.1	2264.8	2279.4	2318.7	2347.2	2389.7	2417.6	2437.8	2482.6	2505.7	2541.4	2576.3	2620.3	2648.9	2688.9	2716.4	2740.5	2768.3	1.5%	
Sulfur Dioxide	12.79	13.05	13.31	11.38	11.18	10.98	10.78	10.58	10.19	10.37	9.98	9.70	9.40	9.06	9.11	8.95	8.96	8.95	8.95	8.95	8.95	8.95	8.95	8.95	8.95	-1.5%
Nitrogen Oxide	5.89	5.92	6.12	4.62	4.70	4.71	3.96	3.91	3.90	3.94	3.97	4.02	4.06	4.06	4.11	4.12	4.15	4.18	4.21	4.23	4.26	4.27	4.27	4.29	-1.4%	

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

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-867, Annual Nonutility Power Producer Report." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

2/ Includes oil-, gas-, and dual-fired capability.

3/ Other includes methane, propane gas, and blast furnace gas, 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/ Cumulative additions after December 31, 1996.

6/ Cogenerators produce electricity and another form of useful energy (such as steam or heat) through the sequential use of energy.

7/ Generation to meet system load by source.

8/ Includes fuel consumption by electric utilities, small power producers, independent power producers, and exempt wholesale generators.

9/ 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.

Source: 1997 (except for prices and nonutility data) Energy Information Administration (EIA), Annual Energy Review 1997, DOE/EIA-0384(97) (Washington, DC, July 1998). Other 1997 and projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 73. Electric Generation by Electricity Market Module Region and Source (Billion Kilowatthours)																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
East Central Area Reliability Coordination Agreement																										
Coal	477.61	479.75	493.17	494.17	503.92	510.92	513.61	512.01	511.59	514.21	517.82	528.49	529.96	529.37	533.63	532.03	534.72	537.09	543.59	543.52	546.49	550.24	550.04	552.48	0.6%	
Petroleum	1.77	1.37	1.20	1.23	1.24	1.35	1.38	1.35	1.31	1.34	1.23	1.26	1.34	1.31	1.31	1.30	1.26	1.20	1.28	1.29	1.25	1.27	1.27	1.25	-1.5%	
Natural Gas	2.28	24.46	12.81	6.53	7.29	7.96	9.29	13.09	17.37	22.09	28.46	35.43	40.70	47.50	53.43	60.41	65.57	72.93	88.55	101.44	113.12	119.76	127.68	131.61	19.3%	
Nuclear	47.40	48.19	49.66	50.07	50.44	50.74	50.91	51.09	51.26	50.51	43.86	28.47	28.58	28.68	28.78	28.88	28.96	28.92	16.22	14.89	6.10	0.00	0.00	0.00	N/A	
Pumped Storage/ Other 1/	-1.39	-0.01	-0.44	-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	-0.86	-0.86	-0.86	-0.86	-2.1%	
Renewables 2/	5.08	5.08	5.08	5.35	5.35	5.35	5.35	5.37	5.41	5.44	5.48	5.51	5.54	5.56	5.59	5.61	5.63	5.64	5.66	5.67	5.68	5.69	5.70	5.70	0.5%	
Total	532.76	558.84	561.48	556.49	567.38	575.45	579.68	582.05	586.07	592.73	595.98	598.30	605.26	611.56	621.87	627.37	635.28	644.92	654.43	665.94	671.79	676.10	683.82	690.17	1.1%	
Electric Reliability Council of Texas																										
Coal	103.27	106.51	106.09	110.36	111.39	111.45	111.47	111.49	111.49	111.49	111.49	111.49	111.49	111.49	111.49	111.49	111.49	111.61	111.73	112.00	112.44	113.18	114.24	115.50	0.5%	
Petroleum	0.17	0.91	0.95	0.94	0.93	0.87	0.15	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.12	0.08	0.08	0.08	0.08	0.08	-3.0%	
Natural Gas	82.89	87.96	91.89	94.34	98.40	101.44	104.36	106.51	109.91	114.18	118.59	122.56	126.79	130.92	136.13	140.93	145.50	149.96	154.32	158.04	161.52	164.50	166.84	169.02	3.1%	
Nuclear	37.36	31.98	33.28	33.94	34.54	35.14	35.29	35.44	35.59	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	35.71	-0.2%	
Pumped Storage/ Other 1/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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/	1.45	1.35	1.55	1.63	1.65	1.68	1.71	1.74	1.79	1.84	1.88	1.92	1.96	2.00	2.04	2.07	2.10	2.13	2.16	2.25	2.40	2.59	2.81	3.15	3.4%	
Total	225.13	228.70	233.76	241.22	246.92	250.58	252.98	255.29	258.88	263.31	267.76	271.77	276.05	280.21	285.46	290.29	294.89	299.49	304.04	308.09	312.15	316.06	319.68	323.47	1.6%	
Mid-Atlantic Area Council																										
Coal	110.24	108.24	112.40	114.92	115.08	112.38	111.06	108.55	105.56	107.14	106.20	107.83	108.15	106.89	108.71	108.84	108.90	109.44	110.89	110.79	111.62	112.37	112.87	114.35	0.2%	
Petroleum	5.81	7.61	7.05	4.93	4.24	3.01	2.13	1.55	1.18	1.32	1.11	1.25	1.27	1.26	1.17	1.01	0.91	0.97	0.93	0.87	0.87	0.86	0.89	0.89	-7.8%	
Natural Gas	7.66	10.56	11.58	20.14	26.96	37.16	42.14	51.40	63.17	66.77	78.60	81.55	83.12	88.34	97.75	103.99	107.79	121.89	136.30	139.16	146.89	149.27	149.74	146.89	13.7%	
Nuclear	84.62	88.04	90.59	86.69	86.91	87.12	87.14	87.16	86.95	84.14	78.89	78.56	78.22	77.88	70.25	69.96	68.45	55.19	44.03	42.94	38.20	38.10	38.01	37.91	-3.4%	
Pumped Storage/ Other 1/	-0.67	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-23.0%	
Renewables 2/	4.89	10.28	9.90	10.23	10.23	10.23	10.23	10.23	10.23	10.23	10.23	10.23	10.23	10.23	10.30	10.37	10.42	10.50	10.62	10.69	10.85	10.96	11.03	11.03	3.6%	
Total	212.56	224.72	231.52	236.90	243.41	249.90	252.69	258.88	267.08	269.60	275.03	279.41	280.99	284.60	288.19	294.16	296.47	297.98	302.76	304.45	308.42	311.56	312.54	311.07	1.7%	
Mid-America Interconnected Network																										
Coal	142.79	154.17	160.92	166.69	170.03	169.93	171.78	171.14	171.52	173.62	175.67	176.72	178.48	179.12	181.36	182.03	183.42	185.70	186.79	188.83	189.95	192.28	193.57	196.39	1.4%	
Petroleum	0.67	1.27	0.99	0.76	0.73	0.64	0.54	0.52	0.52	0.53	0.54	0.56	0.57	0.57	0.58	0.57	0.58	0.57	0.57	0.57	0.56	0.57	0.57	0.57	-0.7%	
Natural Gas	4.61	1.83	1.73	4.82	5.35	5.83	6.38	6.48	6.97	9.46	11.40	12.38	13.12	14.89	15.69	18.30	19.72	24.42	24.88	26.15	27.36	28.56	30.70	30.32	8.5%	
Nuclear	61.90	80.75	82.15	82.95	83.46	83.97	79.58	80.14	81.02	78.85	78.29	78.26	78.22	78.19	75.63	75.14	75.14	71.31	71.31	71.31	71.31	71.31	71.31	71.31	71.31	0.6%
Pumped Storage/ Other 1/	-0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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/	3.94	3.30	3.11	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.31	3.38	3.38	3.41	3.47	3.60	3.75	4.06	4.17	4.39	4.62	4.78	5.04	5.42	1.4%	
Total	213.79	241.31	248.91	258.53	262.88	263.68	261.58	261.58	263.34	265.77	269.21	271.30	273.77	276.18	276.73	279.64	282.61	286.06	287.72	291.24	293.79	297.50	301.19	304.01	1.5%	
Mid-Continent Area Power Pool																										
Coal	111.68	113.67	117.02	119.41	120.34	121.37	124.08	131.31	135.79	136.68	137.18	137.68	138.17	138.61	139.87	140.16	140.69	141.03	141.42	141.97	142.33	142.92	143.33	143.83	1.1%	
Petroleum	1.04	0.44	0.47	0.30	0.31	0.30	0.21	0.23	0.26	0.25	0.27	0.28	0.29	0.30	0.28	0.24	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	-6.2%
Natural Gas	1.16	2.38	1.34	1.00	1.26	1.46	2.35	4.65	9.02	10.52	11.58	12.52	13.67	15.46	19.16	21.05	22.24	23.93	25.52	26.70	28.07	29.16	30.26	31.26	15.4%	
Nuclear	26.28	24.46	25.03	25.03	25.03	25.01	22.73	14.44	11.64	11.57	11.50	11.61	11.59	10.93	7.78	7.78	7.78	7.78	7.78	7.78	7.78	7.78	7.78	7.78	7.78	-5.2%
Pumped Storage/ Other 1/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Renewables 2/	19.48	19.10	18.77	19.90	20.43	21.20	21.28	21.33	21.39	21.44	21.50	21.55	21.59	21.63	21.66	21.69	21.72	21.74	21.79	21.88	21.96	22.07	22.16	22.16	0.6%	
Total	159.64	160.04	162.63	165.64	167.37	169.34	170.61	171.90	178.05	180.41	181.98	183.59	185.26	186.90	188.73	190.89	192.63	194.69	196.70	198.47	200.30	202.06	203.67	205.26	1.1%	

Table 73. Electric Generation by Electricity Market Module Region and Source (Billion Kilowatthours)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Northeast Power Coordinating Council/ New York																									
Coal	28.31	29.56	31.42	31.69	31.71	31.06	29.80	29.97	29.60	29.84	28.37	28.42	28.42	28.11	29.90	29.58	30.01	30.24	30.48	31.18	32.00	32.20	31.79	31.96	0.5%
Petroleum	8.78	12.52	13.80	15.30	14.66	10.00	6.48	3.69	1.02	0.82	0.22	0.14	0.38	0.30	0.34	0.36	0.20	0.36	0.35	0.38	0.41	0.36	0.19	0.10	-17.6%
Natural Gas	21.78	12.30	13.70	13.50	13.95	18.10	25.04	35.19	45.86	52.55	56.83	61.88	63.67	72.73	73.27	74.82	77.08	78.24	78.29	79.75	83.73	84.36	86.82	89.16	6.3%
Nuclear	29.57	32.02	32.99	33.28	33.45	33.54	32.48	25.65	20.93	15.42	15.38	15.33	14.09	8.17	8.17	8.17	8.17	8.17	8.17	5.42	0.00	0.00	0.00	0.00	N/A
Pumped Storage/ Other 1/	-1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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/	31.68	21.44	20.13	21.62	21.62	21.80	22.16	22.35	22.53	22.71	22.71	22.71	22.71	22.71	22.71	22.71	22.71	22.72	22.74	22.75	22.78	22.83	22.86	22.94	-1.4%
Total	119.02	107.85	112.05	115.39	115.38	114.50	115.97	116.84	119.94	121.34	123.50	128.48	129.27	132.02	134.39	135.63	138.17	139.73	140.03	139.47	138.93	139.75	141.66	144.16	0.8%
Northeast Power Coordinating Council/ New England																									
Coal	19.12	18.60	18.94	18.84	18.99	18.94	18.96	18.76	18.23	18.08	17.52	15.15	13.93	12.88	13.32	13.76	13.83	13.98	14.31	14.80	15.00	15.21	15.23	15.36	-0.9%
Petroleum	23.73	20.82	26.36	24.35	25.34	20.49	18.57	12.54	7.49	5.49	2.88	1.67	0.88	0.66	0.52	0.60	0.52	0.56	0.59	0.62	0.65	0.64	0.68	0.64	-14.6%
Natural Gas	15.87	18.76	20.72	23.88	32.15	38.31	44.61	51.49	58.04	65.63	69.75	74.67	77.91	79.91	81.04	83.62	85.71	86.38	86.94	87.18	87.81	88.46	89.20	89.96	7.8%
Nuclear	16.43	33.24	28.26	28.65	28.94	29.23	25.16	25.29	25.41	20.68	20.66	20.63	20.61	20.59	20.57	18.24	17.05	17.05	17.05	17.05	17.05	17.05	17.05	17.05	0.2%
Pumped Storage/ Other 1/	-0.48	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-26.1%
Renewables 2/	11.32	14.64	14.18	14.85	15.00	15.17	15.34	15.52	15.72	15.94	16.17	16.41	16.66	16.83	16.83	16.88	16.91	16.95	16.99	17.02	17.02	17.04	17.07	17.08	1.8%
Total	85.99	106.06	108.46	110.57	120.41	122.14	122.64	123.59	124.88	125.81	126.97	128.54	129.99	130.87	132.28	133.06	134.00	134.88	135.83	136.64	137.54	138.40	139.23	140.09	2.1%
Southeastern Electric Reliability Council/ Florida																									
Coal	62.26	65.70	66.19	66.95	68.88	68.98	69.06	69.56	69.28	70.54	71.33	71.72	72.17	72.37	75.07	77.25	80.32	84.38	88.32	95.25	104.11	109.36	112.36	116.81	2.8%
Petroleum	26.13	27.24	26.48	24.32	24.17	22.58	16.52	13.43	11.57	10.28	9.54	10.95	10.79	10.48	9.73	9.38	9.10	8.17	7.74	6.61	6.43	6.13	6.58	6.24	-6.0%
Natural Gas	33.44	22.91	24.77	27.72	29.87	34.40	44.30	50.89	57.28	64.91	71.01	72.86	75.72	80.68	83.21	86.14	91.64	95.74	95.29	96.97	93.92	92.59	92.61	92.53	4.5%
Nuclear	22.97	26.98	27.57	27.59	27.61	27.63	27.47	27.31	27.15	23.17	21.11	20.98	20.84	20.71	20.58	18.18	13.56	11.23	11.16	7.41	5.53	5.50	5.46	5.42	-6.1%
Pumped Storage/ Other 1/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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/	3.37	4.47	4.45	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.47	4.55	4.55	4.65	5.10	5.54	5.70	5.87	6.01	6.20	6.39	6.52	6.61	6.69	3.0%
Total	148.17	147.29	149.47	151.05	155.01	158.06	161.82	165.66	169.75	173.37	177.46	181.05	184.07	188.89	193.69	196.50	200.32	205.39	208.52	212.44	216.38	220.10	223.61	227.69	1.9%
Southeastern Electric Reliability Council/ excluding Florida																									
Coal	371.29	380.76	393.25	402.10	408.50	413.83	416.23	411.69	408.09	416.22	415.41	424.46	428.74	424.77	434.36	434.09	444.32	442.39	447.40	450.81	456.01	456.14	457.86	463.68	1.0%
Petroleum	1.81	3.44	3.12	2.33	1.97	2.44	1.71	1.42	1.39	1.41	1.43	1.49	1.33	1.46	1.47	1.29	1.35	1.33	1.23	1.25	1.27	1.32	1.25	1.25	-1.6%
Natural Gas	7.94	8.60	9.56	18.90	22.40	24.06	31.93	41.66	57.79	65.12	76.80	80.72	96.12	113.56	125.59	148.40	159.13	180.27	196.76	199.39	210.75	223.90	228.26	231.41	15.8%
Nuclear	190.17	176.22	181.05	182.17	182.89	183.32	183.53	183.77	178.85	174.96	172.73	171.26	165.75	161.06	149.54	140.78	129.90	116.54	103.63	101.27	94.54	90.62	90.47	90.29	-3.2%
Pumped Storage/ Other 1/	-1.37	-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	-0.16	-0.16	-0.16	-8.9%
Renewables 2/	37.17	38.07	35.44	37.79	37.87	37.95	38.02	38.05	38.13	38.20	38.27	38.35	38.41	38.57	39.14	39.69	40.26	41.41	42.27	43.37	44.31	45.27	46.21	47.02	1.0%
Total	607.01	606.93	622.25	643.13	653.47	661.43	671.25	676.44	684.09	695.74	704.49	716.12	730.20	739.25	749.94	764.09	774.80	781.77	791.13	795.93	806.72	817.09	823.88	833.49	1.4%
Southwest Power Pool																									
Coal	170.23	185.67	189.57	193.69	193.72	193.80	193.71	193.83	193.86	194.33	194.50	194.72	194.83	194.89	194.88	195.17	195.43	195.99	197.10	199.67	204.00	207.80	218.39	223.34	1.2%
Petroleum	3.55	13.18	12.73	8.23	6.95	3.37	1.38	0.79	0.59	0.53	0.32	0.57	0.40	0.58	0.66	0.74	0.76	0.89	1.01	0.60	0.63	0.64	0.61	0.60	-7.5%
Natural Gas	65.71	43.38	41.03	45.52	55.57	65.70	71.01	77.49	85.19	89.06	93.27	97.13	100.06	104.03	109.75	112.68	115.09	123.72	132.94	139.96	139.28	140.32	137.36	135.99	3.2%
Nuclear	45.88	42.72	43.74	43.92	44.03	44.15	44.15	44.15	44.07	44.00	43.93	43.87	43.79	43.72	43.63	43.56	43.48	40.47	35.17	30.52	30.48	28.47	24.59	24.59	-2.7%
Pumped Storage/ Other 1/	-0.10	-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	-0.05	-0.05	-3.2%
Renewables 2/	8.97	7.22	7.08	7.56	7.59	7.62	7.66	7.70	7.75	7.81	7.86	7.93	7.98	8.03	8.13	8.24	8.37	8.50	8.69	9.09	9.64	10.22	11.00	11.46	1.1%
Total	294.24	292.12	294.10	298.88	307.81	314.60	317.87	323.90	331.41	335.67	339.83	344.17	347.02	351.20	357.00	360.34	363.09	369.53	374.87	379.80	383.98	387.41	391.90	395.92	1.3%

Table 73. Electric Generation by Electricity Market Module Region and Source (Billion Kilowatthours)																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Western Systems Coordinating Council/ Northwest Power Pool Area																										
Coal	74.40	68.09	80.49	78.72	80.55	81.58	81.83	82.25	83.24	85.60	86.62	86.88	87.07	87.07	87.59	88.29	89.54	90.39	92.15	93.91	96.26	98.54	101.28	107.22	1.6%	
Petroleum	0.10	0.33	0.33	0.31	0.32	0.27	0.24	0.21	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	0.19	2.6%
Natural Gas	5.91	10.03	16.61	21.81	29.94	42.17	50.04	52.21	53.68	58.51	58.38	58.25	58.52	57.82	55.38	59.74	58.09	64.16	66.36	71.21	74.67	77.77	79.15	81.71	12.1%	
Nuclear	6.24	5.96	6.24	6.38	6.53	6.68	6.82	6.97	7.12	7.25	7.40	7.55	7.70	7.84	7.99	8.13	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.21	1.2%
Pumped Storage/ Other 1/	0.00	-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	-0.22	-0.22	-0.22	N/A
Renewables 2/	178.51	167.70	155.56	166.02	166.19	166.51	166.72	167.15	167.73	168.08	168.45	168.92	169.41	170.01	170.38	170.89	171.61	172.62	173.13	173.68	174.70	175.69	176.18	176.93	-0.0%	
Total	265.17	251.89	259.01	273.02	283.31	296.98	305.44	308.58	311.73	319.41	320.83	321.57	322.67	322.72	321.30	327.03	327.47	335.41	339.87	347.03	353.87	360.24	364.85	374.05	1.5%	
Western Systems Coordinating Council/ Rocky Mountain Power Area & Arizona																										
Coal	89.41	92.03	93.27	94.44	94.44	94.44	94.44	94.52	94.52	94.72	94.93	95.43	95.81	96.28	97.09	97.96	99.00	99.89	101.14	102.48	104.27	105.74	107.29	108.45	0.8%	
Petroleum	0.11	1.51	1.44	0.82	0.42	0.15	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	-1.9%
Natural Gas	6.17	23.17	24.54	26.38	31.09	34.58	36.98	41.48	45.38	50.47	53.55	57.65	61.91	64.85	69.12	72.64	76.10	79.13	83.08	84.68	83.69	86.12	89.51	80.57	11.8%	
Nuclear	23.01	19.78	20.58	20.99	21.37	21.75	21.88	22.01	22.14	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	22.24	-0.1%
Pumped Storage/ Other 1/	0.37	-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	-0.04	-0.04	-0.04	N/A
Renewables 2/	20.65	16.28	15.37	16.28	16.36	16.50	16.58	16.61	16.65	16.69	16.73	16.99	17.15	17.38	17.61	17.80	18.02	18.40	18.64	18.95	19.34	19.73	20.08	20.73	0.0%	
Total	139.71	152.73	155.17	158.87	163.65	167.38	169.91	174.65	178.71	184.16	187.48	192.35	197.15	200.78	206.09	210.66	215.39	219.69	225.13	228.38	229.58	233.86	239.15	232.03	2.2%	
Western Systems Coordinating Council/ California-Southern Nevada Power																										
Coal	34.90	37.57	38.11	38.62	38.62	38.61	39.30	40.74	42.94	46.14	53.26	53.26	57.84	63.72	71.05	73.60	79.39	82.14	84.87	88.43	93.12	95.33	103.43	108.71	5.1%	
Petroleum	1.03	11.99	13.46	8.51	7.78	3.93	1.99	0.92	0.82	0.81	0.82	0.42	0.43	0.09	0.11	0.09	0.10	0.10	0.09	0.08	0.11	0.11	0.08	0.04	-13.5%	
Natural Gas	40.57	38.90	43.17	29.91	28.10	29.55	33.24	34.41	35.57	33.40	34.91	41.23	42.17	44.22	44.72	42.81	43.31	40.43	39.39	37.35	38.79	36.70	30.85	34.64	-0.7%	
Nuclear	36.81	36.63	37.60	37.81	37.92	38.03	38.06	38.10	38.13	38.16	38.16	38.16	38.16	38.16	38.16	38.15	38.15	38.14	38.14	38.13	38.13	38.12	38.12	38.02	0.1%	
Pumped Storage/ Other 1/	1.86	-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	-0.44	-0.44	-0.44	N/A
Renewables 2/	60.86	63.97	61.03	64.87	66.06	65.76	65.48	65.21	65.30	65.56	66.03	66.06	66.38	66.33	66.39	66.74	66.90	66.67	66.98	67.17	67.49	67.81	68.26	68.60	0.5%	
Total	176.03	188.62	192.92	179.29	178.04	175.43	177.64	178.93	182.31	183.64	192.74	198.67	204.53	212.07	219.99	220.95	227.39	227.04	229.02	230.72	237.20	237.64	240.30	249.57	1.5%	

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.

Notes: 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: 1997 utility generation: Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report." Other 1997 and Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

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

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
East Central Area Reliability Coordination Agreement																									
Coal Steam	84.47	84.47	84.47	84.47	84.47	84.47	82.44	82.09	82.09	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	81.81	-0.1%
Other Fossil Steam 1/	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	3.66	N/A
Combined Cycle	0.43	0.43	0.43	0.74	0.74	0.74	0.87	1.34	1.87	2.49	3.12	3.43	3.84	4.49	5.19	6.10	6.96	7.79	9.40	11.46	13.47	14.44	15.34	16.58	17.2%
Combustion Turbine/ Diesel	8.34	13.24	14.21	14.90	15.11	15.46	16.12	16.94	17.94	18.37	18.57	19.01	19.85	20.63	21.46	21.72	22.07	22.93	24.80	25.42	25.96	26.22	27.03	27.20	5.3%
Nuclear Power	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	6.78	4.09	4.09	4.09	4.09	4.09	4.09	3.09	1.99	0.82	0.00	0.00	0.00	0.00	N/A
Pumped Storage/ Other 2/	3.28	3.28	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	1.6%
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	0.00	0.00	0.00	N/A
Renewable Sources 3/	1.56	1.60	1.62	1.69	1.69	1.69	1.69	1.69	1.70	1.70	1.70	1.71	1.71	1.72	1.72	1.72	1.73	1.73	1.73	1.73	1.73	1.74	1.74	1.74	0.5%
Total	109.34	114.28	116.73	117.80	118.01	118.36	117.11	118.06	119.60	119.56	117.70	118.45	119.72	121.14	122.68	123.85	125.06	125.75	128.14	129.65	131.38	132.61	134.33	135.74	0.9%
Electric Reliability Council of Texas																									
Coal Steam	14.78	14.78	14.78	15.58	15.58	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.60	15.62	15.66	15.72	15.82	15.97	16.15	0.4%
Other Fossil Steam 1/	29.68	29.68	29.68	29.65	29.53	29.49	26.23	23.16	22.77	20.45	18.34	15.67	13.57	13.57	13.57	13.57	13.36	13.36	13.36	13.36	13.36	13.36	13.36	13.36	-3.4%
Combined Cycle	0.79	0.79	0.79	1.02	1.24	1.80	3.05	7.03	9.07	10.83	12.53	12.96	15.12	15.88	16.76	17.76	18.67	19.81	20.83	22.01	23.16	23.98	24.58	25.37	16.3%
Combustion Turbine/ Diesel	6.11	6.47	6.70	7.03	7.59	8.58	10.31	12.32	12.86	12.86	12.86	12.97	13.64	14.23	14.77	14.77	14.92	15.71	16.48	16.49	16.51	16.53	16.68	16.71	4.5%
Nuclear Power	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	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	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	0.00	0.00	0.00	N/A
Renewable Sources 3/	0.64	0.64	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.80	0.81	0.81	0.82	0.83	0.83	0.84	0.85	0.85	0.86	0.88	0.90	0.93	0.96	1.01	2.0%
Total	56.80	57.16	57.51	58.84	59.50	61.04	60.76	63.69	65.88	65.32	64.92	62.80	63.54	64.89	66.32	67.33	68.39	70.13	71.95	73.20	74.45	75.43	76.36	77.41	1.4%
Mid-Atlantic Area Council																									
Coal Steam	18.50	18.50	18.50	18.50	18.46	18.46	18.46	18.46	18.41	18.41	18.41	18.41	18.41	18.41	18.41	18.41	18.41	18.41	18.41	18.42	18.43	18.44	18.45	18.45	-0.0%
Other Fossil Steam 1/	8.76	8.76	8.76	8.76	8.76	8.76	5.59	4.03	3.38	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	2.53	-5.3%
Combined Cycle	1.80	1.80	1.80	3.27	4.07	5.93	6.87	8.46	10.19	10.80	12.38	12.75	12.88	13.65	15.32	16.11	17.24	18.90	20.61	21.24	21.90	22.42	22.42	22.54	11.6%
Combustion Turbine/ Diesel	9.59	9.80	10.47	11.02	11.15	11.75	12.41	13.15	13.15	13.15	13.22	13.22	13.30	13.30	13.50	13.88	14.20	14.53	15.15	15.15	15.69	15.69	15.69	15.69	2.2%
Nuclear Power	12.81	12.81	12.81	12.19	12.19	12.19	12.19	12.19	12.19	11.08	11.08	11.08	11.08	9.97	9.97	9.97	8.88	6.23	6.23	5.39	5.39	5.39	5.39	5.39	-3.7%
Pumped Storage/ Other 2/	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	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	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	0.00	0.00	0.00	N/A
Renewable Sources 3/	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.03	2.04	2.05	2.06	2.07	2.10	2.11	2.12	2.12	0.2%
Total	54.79	55.01	55.68	57.08	57.97	60.43	58.85	59.63	61.32	60.18	61.20	61.58	61.79	61.45	63.34	64.52	64.87	64.21	66.57	66.38	67.61	68.16	68.17	68.06	0.9%
Mid-America Interconnected Network																									
Coal Steam	27.68	27.68	27.68	27.65	27.67	27.67	27.67	27.76	27.76	27.76	27.76	27.77	27.77	27.77	27.78	27.80	27.83	27.90	27.96	28.06	28.17	28.27	28.42	28.70	0.2%
Other Fossil Steam 1/	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.65	3.53	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	1.29	-5.5%
Combined Cycle	0.02	0.02	0.02	1.25	1.25	1.51	1.51	1.65	1.86	2.40	2.66	2.81	2.87	3.07	3.38	3.89	4.15	5.02	5.34	5.84	6.20	6.31	7.36	7.52	30.1%
Combustion Turbine/ Diesel	11.25	13.50	14.42	14.58	14.66	16.26	17.17	18.15	18.93	19.02	19.08	19.10	19.17	19.43	19.62	20.56	20.85	21.66	21.92	22.35	22.35	22.53	22.88	22.93	3.1%
Nuclear Power	14.80	12.72	12.72	12.72	12.72	12.72	11.57	11.57	11.57	10.80	10.80	10.80	10.80	10.80	10.02	10.02	9.51	9.51	9.51	9.51	9.51	9.51	9.51	9.51	-1.9%
Pumped Storage/ Other 2/	0.35	0.35	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	2.0%
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	0.00	0.00	0.00	N/A
Renewable Sources 3/	0.75	0.75	0.76	0.80	0.80	0.80	0.80	0.80	0.82	0.82	0.82	0.83	0.83	0.84	0.85	0.87	0.89	0.93	0.95	0.98	1.01	1.03	1.07	1.13	1.8%
Total	59.60	59.77	60.91	62.30	62.41	64.26	64.02	65.14	65.03	64.36	64.68	64.87	65.00	65.47	65.20	66.70	67.30	68.57	69.22	70.29	70.78	71.21	71.08	71.64	0.8%

Table 74. Electric Generation Capacity by Electricity Market Module Region and Source (Gigawatts)																								1997-		
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020	
Mid-Continent Area Power Pool																										
Coal Steam	20.73	21.20	20.75	20.75	20.75	20.75	20.75	20.75	20.75	20.75	20.72	20.72	20.72	20.72	20.73	20.73	20.74	20.74	20.75	20.76	20.79	20.82	20.86	20.89	0.0%	
Other Fossil Steam 1/	0.61	0.61	0.61	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	0.60	0.60	0.60	0.60	0.60	-0.0%
Combined Cycle	0.15	0.15	0.15	0.38	0.38	0.38	0.62	1.06	1.71	2.11	2.13	2.13	2.15	2.42	3.02	3.31	3.47	3.69	3.94	4.29	4.53	4.87	5.12	5.37	16.9%	
Combustion Turbine/ Diesel	6.03	7.39	7.82	7.86	7.89	8.22	9.13	10.08	10.17	10.17	10.17	10.17	10.27	10.40	10.71	10.83	11.06	11.37	11.87	12.04	12.29	12.34	12.56	12.59	3.2%	
Nuclear Power	3.74	3.74	3.74	3.74	3.74	3.74	2.88	1.57	1.57	1.57	1.57	1.57	1.57	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	-5.5%
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	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	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	3.68	3.80	4.20	4.20	4.28	4.49	4.50	4.50	4.51	4.52	4.53	4.54	4.54	4.55	4.56	4.56	4.56	4.57	4.57	4.58	4.59	4.60	4.62	4.63	1.0%	
Total	34.94	36.89	37.27	37.54	37.66	38.19	38.48	38.57	39.33	39.72	39.73	39.74	39.87	39.73	40.65	41.06	41.47	42.00	42.77	43.29	43.84	44.26	44.78	45.12	1.1%	
Northeast Power Coordinating Council/ New York																										
Coal Steam	4.82	4.82	4.82	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	-0.1%
Other Fossil Steam 1/	12.39	12.39	12.39	12.39	12.39	12.39	9.96	7.61	6.22	6.22	4.86	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.36	3.36	2.62	-6.5%	
Combined Cycle	0.55	0.55	0.55	0.55	0.55	1.73	2.92	4.11	5.06	6.43	6.73	7.85	8.09	9.01	9.16	9.45	9.53	9.53	9.59	9.71	9.98	10.00	10.34	11.32	14.1%	
Combustion Turbine/ Diesel	3.81	3.81	3.81	3.81	3.81	3.81	3.81	4.35	6.72	6.72	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.85	8.36	8.36	3.5%	
Nuclear Power	4.91	4.91	4.91	4.91	4.91	4.91	3.98	3.16	2.18	2.18	2.18	2.18	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	0.00	0.00	0.00	0.00	0.00	N/A
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	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	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	4.74	4.80	4.85	4.92	4.92	4.98	5.09	5.14	5.20	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.26	5.26	5.26	5.26	5.27	5.28	5.29	0.5%	
Total	32.51	32.57	32.62	32.61	32.61	33.85	31.77	30.39	31.40	32.82	32.80	32.79	31.95	32.88	33.02	33.31	33.39	33.39	33.45	32.48	32.76	32.50	33.36	33.61	0.1%	
Northeast Power Coordinating Council/ New England																										
Coal Steam	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	N/A
Other Fossil Steam 1/	8.19	8.19	8.19	8.14	8.14	8.14	8.14	7.95	7.35	7.35	5.88	5.49	3.91	3.91	3.56	3.56	3.56	3.56	3.56	3.56	3.00	3.00	3.00	3.00	3.00	-4.3%
Combined Cycle	1.17	1.17	1.17	1.97	2.14	3.14	3.90	5.18	6.07	6.97	7.91	8.87	9.84	9.91	10.53	10.69	11.02	11.23	11.29	11.29	11.35	11.63	11.72	11.82	10.6%	
Combustion Turbine/ Diesel	1.79	2.40	2.40	2.39	3.14	3.28	3.33	3.33	3.79	4.12	4.12	4.44	4.44	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.68	4.3%
Nuclear Power	5.83	4.32	4.32	4.32	4.32	4.32	3.65	3.65	3.65	2.78	2.78	2.78	2.78	2.78	2.78	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	-4.0%
Pumped Storage/ Other 2/	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	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	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	3.05	3.06	3.07	3.11	3.14	3.18	3.22	3.26	3.30	3.36	3.41	3.47	3.53	3.57	3.57	3.57	3.58	3.58	3.59	3.59	3.60	3.60	3.61	3.61	0.7%	
Total	24.39	23.49	23.51	24.28	25.24	26.42	26.59	27.73	28.53	28.93	28.45	29.39	28.85	29.21	29.48	29.14	29.48	29.70	29.76	29.76	29.83	29.55	29.64	29.75	0.9%	
Southeastern Electric Reliability Council/ Florida																										
Coal Steam	9.41	9.41	9.41	9.41	9.67	9.67	9.69	9.77	9.80	9.87	9.97	10.02	10.04	10.11	10.40	10.70	11.13	11.70	12.25	13.21	14.45	15.19	15.60	16.22	2.4%	
Other Fossil Steam 1/	13.32	13.32	13.32	13.32	13.32	13.32	11.34	10.88	10.88	10.88	10.28	10.04	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	9.86	-1.3%
Combined Cycle	3.86	4.37	4.37	4.73	4.73	5.43	6.59	7.85	8.93	10.19	10.90	11.21	11.52	12.11	12.76	13.23	14.08	14.68	14.92	15.12	15.18	15.29	15.30	15.52	6.2%	
Combustion Turbine/ Diesel	5.47	5.47	5.47	5.47	5.47	5.47	7.46	7.92	7.86	7.86	7.86	7.86	7.86	7.97	7.97	8.22	8.49	9.02	9.38	9.38	9.38	9.40	9.66	9.66	2.5%	
Nuclear Power	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.01	3.01	3.01	3.01	3.01	3.01	2.35	1.68	1.68	1.68	0.84	0.84	0.84	0.84	0.84	0.84	-6.4%
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	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	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.72	0.72	0.73	0.80	0.86	0.88	0.91	0.93	0.95	0.98	1.00	1.01	1.02	1.6%	
Total	36.59	37.10	37.10	37.46	37.73	38.43	39.61	40.96	42.00	42.52	42.72	42.86	43.00	43.79	44.80	45.22	46.12	47.85	49.01	49.37	50.69	51.57	52.28	53.12	1.6%	

Table 74. Electric Generation Capacity by Electricity Market Module Region and Source (Gigawatts)																								1997-2020		
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Southeastern Electric Reliability Council/ excluding Florida																										
Coal Steam	64.00	64.00	64.00	64.00	64.07	64.08	64.08	64.08	64.08	64.08	63.97	63.97	64.01	64.04	64.10	64.26	64.38	64.12	64.35	64.72	65.02	64.84	65.31	65.69	0.1%	
Other Fossil Steam 1/	3.14	3.14	3.14	3.14	3.14	3.11	2.33	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.22	2.22	2.22	2.14	2.14	2.02	2.02	-1.9%	
Combined Cycle	1.79	1.90	2.01	4.08	4.69	4.82	4.91	6.69	9.62	10.96	12.45	12.85	14.81	16.76	19.55	22.89	26.18	29.58	32.47	33.71	36.10	38.47	39.51	40.97	14.6%	
Combustion Turbine/ Diesel	11.77	12.79	14.27	15.34	15.83	16.49	20.96	22.81	23.43	23.38	22.03	22.26	24.43	25.21	26.75	29.56	28.92	29.56	30.75	31.56	31.96	32.41	33.49	33.75	4.7%	
Nuclear Power	25.58	25.58	25.58	25.58	25.58	25.58	25.58	24.83	24.83	24.06	24.06	23.25	23.25	21.46	20.35	19.55	17.06	14.39	14.39	13.32	12.51	12.51	12.51	12.51	-3.1%	
Pumped Storage/ Other 2/	6.38	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	6.68	0.2%	
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	0.00	0.00	0.00	N/A	
Renewable Sources 3/	11.76	11.82	11.82	11.84	11.86	11.89	11.91	11.92	11.93	11.94	11.95	11.97	11.97	12.00	12.08	12.16	12.24	12.40	12.53	12.69	12.84	12.98	13.13	13.25	0.5%	
Total	124.42	125.91	127.49	130.66	131.85	132.66	136.46	139.32	142.88	143.41	143.45	143.29	147.46	148.45	151.82	157.39	157.75	158.95	163.39	164.91	167.23	170.02	172.66	174.88	1.5%	
Southwest Power Pool																										
Coal Steam	27.45	27.45	27.45	27.45	27.48	27.50	27.53	27.57	28.19	28.23	28.23	28.23	28.23	28.23	28.21	28.26	28.29	28.37	28.52	28.88	29.49	30.02	31.50	32.19	0.7%	
Other Fossil Steam 1/	30.24	30.24	30.24	30.24	30.24	30.16	26.13	21.87	21.87	21.61	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	19.86	-1.8%
Combined Cycle	1.41	1.63	1.63	2.49	3.62	6.16	7.33	10.29	12.68	12.98	13.08	13.08	13.08	13.47	14.07	14.88	15.46	16.24	17.26	18.39	18.83	19.33	19.49	19.67	12.1%	
Combustion Turbine/ Diesel	4.48	4.58	4.94	5.42	5.52	5.96	9.33	9.57	9.96	9.97	9.97	9.97	10.16	10.72	11.63	11.91	12.38	13.04	14.31	15.20	15.65	15.92	16.10	16.17	5.7%	
Nuclear Power	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.93	5.09	4.16	4.16	4.16	3.30	3.30	-2.5%	
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	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	0.00	0.00	0.00	N/A	
Renewable Sources 3/	2.79	2.90	2.91	2.91	2.92	2.92	2.93	2.93	2.94	2.95	2.96	2.98	2.99	2.99	3.01	3.03	3.05	3.07	3.11	3.17	3.25	3.33	3.45	3.52	1.0%	
Total	72.80	73.23	73.59	74.94	76.21	79.14	79.68	78.66	82.07	82.18	80.54	80.55	80.75	81.71	83.22	84.37	85.48	86.18	87.72	90.16	91.74	92.26	94.20	95.20	1.2%	
Western Systems Coordinating Council/ Northwest Power Pool Area																										
Coal Steam	11.51	11.51	11.51	11.51	11.53	11.54	11.58	11.64	11.82	12.17	12.31	12.31	12.32	12.32	12.38	12.52	12.66	12.78	13.01	13.26	13.57	13.89	14.25	15.08	1.2%	
Other Fossil Steam 1/	0.79	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	0.72	0.72	0.72	0.72	0.72	-5.3%
Combined Cycle	1.25	1.25	1.25	2.33	2.71	4.45	4.77	6.35	6.96	7.19	7.19	7.21	7.24	7.42	7.65	8.21	8.52	9.04	9.68	10.24	10.66	11.02	11.64	11.95	10.3%	
Combustion Turbine/ Diesel	2.77	2.79	3.71	3.71	4.60	4.60	6.03	5.24	5.24	5.06	5.04	5.04	4.90	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77	4.77	2.4%	
Nuclear Power	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	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	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	0.00	0.00	0.00	N/A	
Renewable Sources 3/	35.36	35.43	35.44	35.47	35.50	35.54	35.58	35.64	35.72	35.78	35.84	35.91	35.99	36.07	36.13	36.21	36.31	36.46	36.53	36.62	36.76	36.90	36.98	37.09	0.2%	
Total	53.11	53.13	54.07	55.17	56.47	58.27	60.10	61.00	61.88	62.34	62.52	62.62	62.11	62.25	62.59	63.35	63.90	64.70	65.64	66.52	67.41	68.23	69.29	70.53	1.2%	
Western Systems Coordinating Council/ Rocky Mountain Power Area & Arizona																										
Coal Steam	13.22	13.22	13.22	13.22	13.22	13.22	13.22	13.23	13.23	13.26	13.29	13.36	13.41	13.47	13.59	13.71	13.85	13.98	14.15	14.34	14.59	14.79	15.01	15.17	0.6%	
Other Fossil Steam 1/	2.59	2.59	2.59	2.59	2.59	2.59	1.42	1.08	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	-4.5%	
Combined Cycle	0.99	0.99	0.99	2.06	2.95	3.89	4.86	5.87	6.88	7.90	7.99	8.08	8.56	9.09	9.62	10.20	10.77	11.33	11.86	12.29	12.65	13.06	13.49	13.94	12.2%	
Combustion Turbine/ Diesel	3.72	3.74	4.31	4.31	4.31	4.31	4.18	4.87	5.26	5.26	5.26	5.26	5.50	5.78	6.07	6.20	6.31	6.49	6.49	6.49	6.49	6.62	6.82	6.82	2.7%	
Nuclear Power	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	2.99	2.99	2.99	N/A	
Pumped Storage/ Other 2/	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	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	0.00	0.00	0.00	N/A	
Renewable Sources 3/	4.33	4.39	4.40	4.42	4.45	4.48	4.50	4.51	4.52	4.52	4.53	4.57	4.60	4.64	4.67	4.70	4.74	4.80	4.85	4.91	4.98	5.05	5.11	5.22	0.8%	
Total	28.56	28.64	29.22	30.31	31.23	32.19	31.89	33.27	34.50	35.56	35.68	35.88	36.68	37.59	38.56	39.42	40.29	41.21	41.96	42.63	43.32	44.13	45.04	45.77	2.1%	

Table 74. Electric Generation Capacity by Electricity Market Module Region and Source (Gigawatts)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Western Systems Coordinating Council/ California-Southern Nevada Power																									
Coal Steam	5.46	5.46	5.46	5.46	5.46	5.46	5.55	5.75	6.06	6.50	7.49	7.49	8.13	8.95	9.97	10.33	11.15	11.54	11.92	12.41	13.07	13.38	14.50	15.24	4.6%
Other Fossil Steam 1/	20.54	20.54	20.54	20.45	20.45	20.45	20.31	16.81	16.81	16.81	16.81	15.79	15.79	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	15.75	-1.1%
Combined Cycle	2.18	2.18	2.18	2.18	2.18	4.02	5.41	6.98	7.77	8.52	8.52	8.61	8.64	8.72	8.72	8.75	8.75	8.75	8.76	8.76	8.77	8.82	8.87	8.89	6.3%
Combustion Turbine/ Diesel	3.09	3.09	3.09	3.09	3.08	3.08	4.32	4.04	5.78	5.78	5.78	5.91	6.14	6.15	6.26	6.35	6.40	6.48	6.58	6.63	6.87	7.00	7.17	7.39	3.9%
Nuclear Power	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13	N/A
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	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	0.00	0.00	0.00	N/A
Renewable Sources 3/	16.55	16.56	16.69	16.89	17.17	17.07	16.98	16.88	16.89	16.87	16.95	16.95	17.00	16.94	16.89	16.95	16.91	16.88	16.93	16.91	16.96	16.89	16.98	17.04	0.1%
Total	56.67	56.68	56.81	56.92	57.20	58.95	61.43	59.33	62.17	63.35	64.41	63.62	64.56	65.37	66.46	66.98	67.83	68.27	68.80	69.33	70.29	70.71	72.14	73.17	1.1%

1/ Includes oil-, gas-, and dual-fired capacity.
2/ Other includes methane, propane, blast furnace gas, 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.
Notes: 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: 1997 utility: Energy Information Administration (EIA), Form EIA-860, "Annual Electric Generator Report."
Other 1997 and Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 75. Renewable Resources Consumption/Displacement by Region and Source for Electricity (Trillion Btu)																							
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
WSSC/ NWP																							
Conventional Hydropower	1700.0	1574.9	1682.0	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2	1680.2
Geothermal 1/	35.04	35.21	35.66	44.45	52.37	57.24	68.46	83.23	88.41	93.42	105.53	117.57	132.94	141.05	157.62	166.07	191.66	200.04	210.13	233.17	255.44	262.30	274.89
MSW	9.70	10.16	10.61	11.12	11.65	12.22	12.74	13.61	14.38	15.15	15.91	16.61	17.24	17.81	18.28	18.70	19.07	19.41	19.69	19.95	20.14	20.28	20.38
Biomass 2/	3.45	3.45	3.45	3.45	3.45	3.45	3.45	3.45	4.44	5.64	5.64	5.70	5.79	6.37	7.65	8.94	9.99	11.67	13.25	15.19	16.98	19.02	21.68
Solar Thermal 3/	0.00	0.00	0.00	0.03	0.06	0.09	0.12	0.15	0.18	0.21	0.24	0.27	0.30	0.36	0.41	0.50	0.59	0.68	0.77	0.86	0.95	1.04	1.16
Solar Photovoltaic 3/	0.00	0.00	0.09	0.15	0.22	0.38	0.57	0.75	0.97	1.20	1.43	1.73	1.97	2.20	2.41	2.63	2.83	3.05	3.25	3.47	3.68	3.89	4.09
Wind	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
WSSC/ RA																							
Conventional Hydropower	134.93	124.98	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53	133.53
Geothermal 1/	76.16	76.53	76.91	77.32	79.21	79.81	80.54	80.72	81.12	81.31	85.16	85.37	85.62	86.10	90.47	86.54	92.59	92.81	93.04	93.14	93.13	93.17	102.42
MSW	4.27	4.53	4.82	5.13	5.46	5.82	6.14	6.70	7.19	7.68	8.16	8.60	8.99	9.34	9.64	9.91	10.14	10.36	10.52	10.68	10.80	10.88	10.93
Biomass 2/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	1.89	3.49	5.16	6.47	7.96	9.09	10.61	12.61	15.33	17.87	20.17	21.97
Solar Thermal 3/	0.00	0.00	0.50	1.00	1.50	1.83	1.83	1.83	1.83	1.83	1.90	1.93	2.00	2.06	2.13	2.19	2.26	2.33	2.39	2.46	2.53	2.59	2.66
Solar Photovoltaic 3/	0.02	0.10	0.24	0.37	0.53	0.81	0.89	0.97	1.08	1.20	1.31	1.48	1.66	1.80	1.95	2.09	2.24	2.39	2.54	2.69	2.83	2.98	3.13
Wind	1.38	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	1.64	1.80	2.01	2.36	2.95	3.54	4.29	4.93	6.16
WSSC/ CNV																							
Conventional Hydropower	467.74	433.26	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88	462.88
Geothermal 1/	275.42	276.76	289.11	308.91	301.22	295.32	289.77	292.63	295.65	296.36	298.25	301.21	293.64	287.97	308.61	287.88	275.85	281.04	283.53	287.34	293.08	295.96	297.33
MSW	30.22	33.09	37.77	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92	37.92
Biomass 2/	18.10	18.32	18.32	18.79	18.79	18.79	18.79	18.79	20.38	24.30	24.30	26.27	28.22	30.73	31.85	35.19	36.54	37.57	38.44	39.82	40.64	43.39	45.71
Solar Thermal 3/	9.27	9.27	9.27	9.27	9.31	9.35	9.38	9.42	9.57	9.69	9.80	9.87	9.95	10.02	10.10	10.21	10.33	10.44	10.52	10.63	10.74	10.85	10.97
Solar Photovoltaic 3/	0.33	0.39	0.46	0.64	0.82	0.94	1.04	1.15	1.30	1.46	1.62	1.78	1.94	2.16	2.37	2.59	2.91	3.24	3.56	3.88	4.20	4.52	4.86
Wind	37.51	39.63	42.40	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10	47.10
United States																							
Conventional Hydropower	3338.8	3099.8	3313.2	3311.9	3314.2	3318.3	3320.1	3322.1	3324.2	3324.3	3324.5	3324.6	3324.8	3324.9	3325.1	3325.3	3325.4	3325.6	3325.7	3325.9	3326.1	3326.2	3326.4
Geothermal 1/	395.02	396.99	410.48	439.70	442.01	441.77	448.39	466.37	475.16	481.24	499.29	514.66	522.90	526.03	568.30	551.74	571.53	585.50	598.49	625.61	653.75	663.69	687.07
MSW	359.47	364.94	373.56	377.57	381.50	385.64	389.88	396.41	402.27	408.20	414.05	419.48	423.84	427.88	431.49	435.36	438.91	442.44	445.61	448.33	450.40	452.14	453.45
Biomass 2/	69.59	71.14	72.46	77.83	81.49	82.18	82.87	83.79	87.14	93.16	96.38	100.38	106.67	121.69	136.11	150.99	169.91	186.21	208.06	233.14	257.31	285.34	310.89
Solar Thermal 3/	9.27	9.27	9.77	10.30	10.86	11.26	11.33	11.40	11.58	11.72	11.93	12.07	12.24	12.44	12.64	12.91	13.18	13.45	13.68	13.95	14.22	14.49	14.78
Solar Photovoltaic 3/	0.38	0.52	0.91	1.30	1.74	2.41	2.90	3.42	4.09	4.79	5.53	6.43	7.32	8.12	8.89	9.67	10.57	11.49	12.39	13.31	14.21	15.11	16.02
Wind	44.95	59.48	62.78	68.10	72.72	73.29	73.86	74.46	75.37	76.28	77.22	78.16	79.04	79.05	79.05	79.21	79.43	79.79	80.94	82.38	83.43	84.84	86.74

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

2/ Include projections for energy crops beginning in 2010.

3/ Grid connected generation only.

Btu = British Thermal Unit.

MSW = Municipal solid waste.

Notes: Totals may not equal sum of components due to independent rounding. Regional energy consumption values for renewable technologies are not available for years 1995 and 1996. National values for renewables are provided in these years.

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 76. Renewable Resources, Generating Capacity by EMM Region and Source (Gigawatts)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
ECAR																									
Conventional Hydropower	1.29	1.33	1.33	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	1.40	0.4%
Geothermal 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	0.00	0.00	0.00	N/A
MSW	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	1.7%
Biomass 2/	0.16	0.16	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	0.18	0.5%
Solar Thermal 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	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	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	0.00	0.00	0.00	N/A
Total	1.56	1.60	1.62	1.69	1.69	1.69	1.69	1.69	1.70	1.70	1.70	1.71	1.71	1.72	1.72	1.72	1.73	1.73	1.73	1.73	1.73	1.74	1.74	1.74	0.5%
ERCOT																									
Conventional Hydropower	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	0.51	0.51	0.51	N/A
Geothermal 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	0.00	0.00	0.00	N/A
MSW	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.11	0.11	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	4.4%
Biomass 2/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.05	0.08	0.13	N/A
Solar Thermal 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	0.00	0.00	0.00	N/A
Solar Photovoltaic 3/	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	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.05	22.8%
Wind	0.08	0.08	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	0.19	0.19	0.19	0.19	0.19	0.19	4.1%
Total	0.64	0.64	0.76	0.77	0.77	0.77	0.78	0.78	0.79	0.80	0.81	0.81	0.82	0.83	0.83	0.84	0.85	0.85	0.86	0.88	0.90	0.93	0.96	1.01	2.0%
MAAC																									
Conventional Hydropower	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	N/A
Geothermal 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	0.00	0.00	0.00	N/A
MSW	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	0.75	0.75	0.75	N/A
Biomass 2/	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	0.07	0.08	0.09	0.11	0.12	0.14	0.16	0.17	0.17	5.1%
Solar Thermal 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	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	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	0.00	0.00	0.00	N/A
Total	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.02	2.03	2.04	2.05	2.06	2.07	2.10	2.11	2.12	2.12	0.2%
MAIN																									
Conventional Hydropower	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	N/A
Geothermal 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	0.00	0.00	0.00	N/A
MSW	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	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.7%
Biomass 2/	0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.10	0.12	0.16	0.17	0.20	0.23	0.25	0.29	0.35	26.7%
Solar Thermal 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	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	0.00	0.00	N/A
Wind	0.00	0.00	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	31.7%
Total	0.75	0.75	0.76	0.80	0.80	0.80	0.80	0.80	0.82	0.82	0.82	0.83	0.83	0.84	0.85	0.87	0.89	0.93	0.95	0.98	1.01	1.03	1.07	1.13	1.8%
MAPP																									
Conventional Hydropower	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	N/A
Geothermal 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	0.00	0.00	0.00	N/A
MSW	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22	0.23	0.24	0.24	0.25	0.26	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.30	2.1%
Biomass 2/	0.10	0.11	0.11	0.11	0.18	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	0.25	0.26	0.28	4.4%
Solar Thermal 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	0.00	0.00	0.00	N/A
Solar Photovoltaic 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	0.00	0.00	0.00	N/A
Wind	0.02	0.14	0.52	0.52	0.52	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	16.0%
Total	3.68	3.80	4.20	4.20	4.28	4.49	4.50	4.50	4.51	4.52	4.53	4.54	4.54	4.55	4.56	4.56	4.56	4.57	4.57	4.58	4.59	4.60	4.62	4.63	1.0%

Table 76. Renewable Resources, Generating Capacity by EMM Region and Source (Gigawatts)																							1997-2020			
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
NPCC/ NY																										
Conventional Hydropower	4.44	4.50	4.55	4.62	4.62	4.67	4.78	4.84	4.89	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	0.5%	
Geothermal 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	0.00	0.00	0.00	N/A	
MSW	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	0.28	0.28	0.29	0.29	0.2%
Biomass 2/	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	0.03	0.03	0.04	3.0%	
Solar Thermal 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	0.00	0.00	0.00	N/A	
Solar Photovoltaic 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	0.00	0.00	0.00	1.4%	
Wind	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	0.01	0.01	0.01	N/A	
Total	4.74	4.80	4.85	4.92	4.92	4.98	5.09	5.14	5.20	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.26	5.26	5.26	5.26	5.27	5.28	5.29	0.5%	
NPCC/ NE																										
Conventional Hydropower	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	1.77	0.0%	
Geothermal 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	0.00	0.00	0.00	N/A	
MSW	0.59	0.59	0.59	0.60	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.64	0.64	0.64	0.64	0.65	0.66	0.66	0.67	0.67	0.67	0.68	0.68	0.6%	
Biomass 2/	0.69	0.69	0.71	0.72	0.73	0.74	0.75	0.76	0.78	0.79	0.81	0.82	0.83	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.9%	
Solar Thermal 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	0.00	0.00	0.00	N/A	
Solar Photovoltaic 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	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	N/A	
Wind	0.01	0.01	0.01	0.02	0.04	0.06	0.08	0.10	0.12	0.15	0.18	0.21	0.24	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	17.3%	
Total	3.05	3.06	3.07	3.11	3.14	3.18	3.22	3.26	3.30	3.36	3.41	3.47	3.53	3.57	3.57	3.57	3.58	3.58	3.59	3.59	3.60	3.60	3.61	3.61	0.7%	
SERC/ STV/ Florida																										
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	0.05	0.05	0.05	N/A	
Geothermal 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	0.00	0.00	0.00	N/A	
MSW	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	N/A	
Biomass 2/	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	0.05	0.12	0.18	0.20	0.23	0.25	0.27	0.30	0.32	0.33	0.34	11.7%	
Solar Thermal 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	0.00	0.00	0.00	N/A	
Solar Photovoltaic 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	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	0.00	0.00	0.00	N/A	
Total	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.72	0.72	0.73	0.80	0.86	0.88	0.91	0.93	0.95	0.98	1.00	1.01	1.02	1.6%	
SERC/ STV/ excluding Florida																										
Conventional Hydropower	11.33	11.38	11.38	11.39	11.41	11.43	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	11.45	0.0%	
Geothermal 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	0.00	0.00	0.00	N/A	
MSW	0.28	0.28	0.29	0.29	0.30	0.31	0.32	0.32	0.33	0.35	0.36	0.37	0.38	0.39	0.39	0.40	0.41	0.41	0.42	0.42	0.42	0.43	0.43	0.43	1.8%	
Biomass 2/	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	0.17	0.24	0.31	0.39	0.55	0.67	0.81	0.93	1.06	1.18	1.28	9.7%	
Solar Thermal 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	0.00	0.00	0.00	N/A	
Solar Photovoltaic 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	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	0.04	0.05	0.07	0.09	N/A	
Total	11.76	11.82	11.82	11.84	11.86	11.89	11.91	11.92	11.93	11.94	11.95	11.97	11.97	12.00	12.08	12.16	12.24	12.40	12.53	12.69	12.84	12.98	13.13	13.25	0.5%	
SPP																										
Conventional Hydropower	2.73	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	2.84	0.2%	
Geothermal 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	0.00	0.00	0.00	N/A	
MSW	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.10	0.10	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.16	4.4%	
Biomass 2/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.05	0.07	0.12	0.20	0.28	0.38	0.45	N/A	
Solar Thermal 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	0.00	0.00	0.00	N/A	
Solar Photovoltaic 3/	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	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	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	0.00	0.00	0.00	N/A	
Total	2.79	2.90	2.91	2.91	2.92	2.92	2.93	2.93	2.94	2.95	2.96	2.98	2.99	2.99	3.01	3.03	3.05	3.07	3.11	3.17	3.25	3.33	3.45	3.52	1.0%	

Table 76. Renewable Resources, Generating Capacity by EMM Region and Source (Gigawatts)																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
WSSC/ NWP																										
Conventional Hydropower	34.95	34.99	35.01	35.03	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	0.0%
Geothermal 1/	0.21	0.21	0.21	0.21	0.25	0.29	0.31	0.36	0.42	0.44	0.47	0.52	0.57	0.64	0.67	0.71	0.78	0.89	0.93	0.97	1.07	1.17	1.20	1.25	1.25	8.1%
MSW	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.20	3.2%
Biomass 2/	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.12	0.14	0.14	0.14	0.14	0.15	0.17	0.19	0.21	0.23	0.26	0.29	0.32	0.35	0.39	0.39	6.1%
Solar Thermal 3/	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	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	N/A	
Solar Photovoltaic 3/	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14	0.14	0.15	0.16	0.17	0.18	N/A	
Wind	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	0.03	0.03	0.03	0.03	15.9%
Total	35.36	35.43	35.44	35.47	35.50	35.54	35.58	35.64	35.72	35.78	35.84	35.91	35.99	36.07	36.13	36.21	36.31	36.46	36.53	36.62	36.76	36.90	36.98	37.09	0.2%	
WSSC/ RA																										
Conventional Hydropower	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	3.98	3.98	3.98	3.98	0.0%
Geothermal 1/	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.34	0.34	0.34	0.34	0.34	0.34	0.36	0.36	0.36	0.36	0.36	0.36	0.40	0.40	1.1%
MSW	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	4.4%
Biomass 2/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.06	0.08	0.10	0.13	0.15	0.17	0.20	0.25	0.29	0.32	0.35	N/A	
Solar Thermal 3/	0.00	0.00	0.00	0.02	0.03	0.05	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	0.08	0.08	0.08	N/A	
Solar Photovoltaic 3/	0.00	0.00	0.00	0.01	0.01	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	0.10	0.10	0.11	27.0%	
Wind	0.00	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	0.07	0.07	0.09	0.10	0.12	0.14	0.16	0.20	N/A	
Total	4.33	4.39	4.40	4.42	4.45	4.48	4.50	4.51	4.52	4.52	4.53	4.57	4.60	4.64	4.67	4.70	4.74	4.80	4.85	4.91	4.98	5.05	5.11	5.22	0.8%	
WSSC/ CNV																										
Conventional Hydropower	11.31	11.31	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	11.33	0.0%
Geothermal 1/	2.48	2.48	2.48	2.54	2.63	2.52	2.42	2.32	2.33	2.28	2.28	2.28	2.29	2.18	2.09	2.11	2.01	1.94	1.96	1.92	1.93	1.83	1.86	1.87	-1.2%	
MSW	0.26	0.27	0.30	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	0.34	1.1%
Biomass 2/	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.39	0.46	0.46	0.49	0.52	0.56	0.58	0.63	0.65	0.67	0.68	0.70	0.72	0.76	0.80	0.80	3.6%
Solar Thermal 3/	0.35	0.35	0.35	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.39	0.39	0.39	0.40	0.40	0.5%	
Solar Photovoltaic 3/	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.15	0.16	0.17	0.18	13.4%	
Wind	1.78	1.78	1.85	1.96	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	0.8%
Total	16.55	16.56	16.69	16.89	17.17	17.07	16.98	16.88	16.89	16.87	16.95	16.95	17.00	16.94	16.89	16.95	16.91	16.88	16.93	16.91	16.96	16.89	16.98	17.04	0.1%	
United States																										
Conventional Hydropower	77.60	77.91	77.98	78.14	78.14	78.22	78.34	78.40	78.45	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	78.51	0.1%
Geothermal 1/	3.00	3.00	3.00	3.06	3.19	3.13	3.05	3.00	3.08	3.04	3.06	3.13	3.19	3.16	3.10	3.16	3.13	3.20	3.25	3.25	3.36	3.36	3.42	3.52	0.7%	
MSW	3.41	3.43	3.48	3.56	3.59	3.63	3.66	3.70	3.76	3.81	3.87	3.92	3.97	4.01	4.04	4.07	4.11	4.14	4.17	4.20	4.22	4.24	4.26	4.27	1.0%	
Biomass 2/	1.66	1.68	1.72	1.76	1.84	1.90	1.91	1.93	1.97	2.02	2.12	2.17	2.23	2.33	2.58	2.81	3.05	3.35	3.61	3.96	4.36	4.75	5.20	5.61	5.4%	
Solar Thermal 3/	0.35	0.35	0.35	0.37	0.38	0.40	0.41	0.42	0.42	0.42	0.43	0.43	0.44	0.44	0.45	0.45	0.46	0.47	0.48	0.48	0.49	0.50	0.51	0.52	1.7%	
Solar Photovoltaic 3/	0.01	0.01	0.02	0.04	0.05	0.07	0.10	0.12	0.14	0.17	0.20	0.23	0.27	0.30	0.33	0.36	0.39	0.43	0.46	0.50	0.53	0.57	0.60	0.64	18.7%	
Wind	1.88	2.08	2.68	2.80	2.99	3.18	3.20	3.22	3.24	3.27	3.30	3.33	3.36	3.39	3.39	3.39	3.39	3.40	3.41	3.44	3.49	3.52	3.56	3.61	2.9%	
Total	87.92	88.46	89.23	89.73	90.20	90.52	90.68	90.77	91.05	91.24	91.48	91.72	91.97	92.14	92.39	92.75	93.04	93.49	93.89	94.34	94.97	95.45	96.06	96.68	0.4%	

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

2/ Include projections for energy crops beginning in 2010.

3/ Grid connected generation only.

Btu = British Thermal Unit.

MSW = Municipal solid waste.

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

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 77. Domestic Refinery Distillation Base Capacity, Expansion, and Utilization (Million of Barrels per Day)																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
PAD District I																										
Base Capacity	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	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	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	N/A
Total Capacity	1.6	1.6	1.6	1.7	1.7	1.7	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	1.8	0.5%
Utilization	90.0	92.0	92.0	91.7	91.8	94.0	93.4	94.0	94.0	94.0	94.0	92.0	92.2	93.0	92.0	93.0	93.0	93.7	94.0	93.8	94.0	94.0	94.0	93.7	0.2%	
PAD Districts II to IV																										
Base Capacity	11.3	11.3	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	0.0%
Capacity Additions	0.0	0.0	0.0	0.3	0.4	0.4	0.4	0.4	0.6	0.7	0.8	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	N/A
Total Capacity	11.3	11.3	11.3	11.7	11.8	11.8	11.8	11.8	12.0	12.1	12.2	12.3	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	0.4%
Utilization	97.4	97.8	97.8	96.0	95.2	96.0	96.0	96.0	95.1	95.2	95.8	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	-0.1%
PAD District V																										
Base Capacity	3.1	3.1	3.1	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	3.0	-0.2%
Capacity Additions	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	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	N/A
Total Capacity	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5	0.6%
Utilization	91.0	91.0	91.0	85.2	86.7	88.6	90.0	91.4	91.1	92.3	93.0	92.3	92.7	93.0	92.7	92.8	93.0	92.5	92.6	93.0	92.8	92.9	92.7	93.0	93.0	0.1%
United States																										
Base Capacity	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	16.0	16.0	16.0	16.0	16.0	16.0	0.0%
Capacity Additions	0.0	0.0	0.0	0.3	0.4	0.4	0.4	0.4	0.6	0.8	0.9	1.2	1.3	1.5	1.6	1.6	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	N/A
Total Capacity	16.0	16.0	16.0	16.3	16.4	16.4	16.4	16.4	16.6	16.8	16.9	17.2	17.3	17.5	17.6	17.6	17.6	17.7	17.7	17.8	17.8	17.8	17.9	17.9	17.9	0.5%
Utilization	95.0	96.0	96.0	93.6	93.3	94.5	94.7	95.0	94.3	94.5	95.1	94.0	94.5	95.1	95.0	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.1	95.2	95.2	0.0%

PAD = Petroleum Administration for Defense.

N/A = Not applicable.

Source: 1997: Estimated based on biennial data from 1996 and 1998. 1997: Energy Information Administration (EIA), Petroleum Supply Annual 1997, DOE/EIA-0340(97)/1 (Washington, D.C., June 1998). Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 78. Components of selective Petroleum Product Prices (1997 Dollars per Gallon)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Diesel																									
End-User Price	1.18	1.02	1.02	1.05	1.07	1.09	1.12	1.15	1.18	1.19	1.21	1.20	1.21	1.19	1.19	1.19	1.18	1.18	1.19	1.19	1.19	1.19	1.18	1.18	-0.0%
Federal Taxes	0.24	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	0.14	0.14	0.13	0.13	-2.8%
State Taxes	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	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	N/A
Distribution Costs	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	-0.1%
Wholesale Price	0.60	0.45	0.45	0.48	0.51	0.53	0.57	0.60	0.63	0.66	0.67	0.67	0.68	0.67	0.68	0.68	0.68	0.68	0.70	0.70	0.71	0.72	0.71	0.72	0.8%
Motor Gasoline																									
End-User Price	1.21	1.03	1.05	1.08	1.11	1.13	1.16	1.20	1.22	1.24	1.26	1.28	1.28	1.29	1.29	1.29	1.30	1.28	1.29	1.29	1.29	1.29	1.28	1.29	0.3%
Federal Taxes	0.18	0.18	0.18	0.17	0.17	0.16	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	0.10	0.10	0.09	-2.8%
State Taxes	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	-0.0%
Distribution Costs	0.13	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	0.14	0.14	0.14	0.2%
Wholesale Price	0.70	0.51	0.54	0.57	0.60	0.63	0.67	0.71	0.73	0.76	0.78	0.81	0.81	0.82	0.82	0.82	0.84	0.83	0.84	0.85	0.85	0.85	0.85	0.86	0.9%
Jet Fuel																									
End-User Price	0.70	0.52	0.54	0.56	0.58	0.61	0.65	0.69	0.72	0.75	0.77	0.77	0.77	0.78	0.78	0.79	0.80	0.80	0.80	0.82	0.84	0.85	0.85	0.85	0.8%
Federal Taxes	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	-2.8%
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	0.02	0.02	0.02	N/A
Distribution Costs	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	1.3%
Wholesale Price	0.64	0.47	0.49	0.50	0.53	0.56	0.60	0.63	0.67	0.70	0.72	0.72	0.73	0.73	0.73	0.74	0.76	0.76	0.76	0.78	0.81	0.81	0.81	0.81	1.0%
Resid. Distillate Fuel/Heating Oil																									
End-User Price	0.97	0.82	0.84	0.90	0.92	0.95	0.98	1.00	1.03	1.05	1.07	1.07	1.07	1.07	1.08	1.08	1.08	1.07	1.08	1.08	1.09	1.09	1.07	1.08	0.5%
Distribution Costs	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	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.2%
Wholesale Price	0.59	0.43	0.45	0.50	0.53	0.56	0.59	0.61	0.64	0.66	0.68	0.68	0.68	0.68	0.68	0.69	0.69	0.70	0.70	0.70	0.71	0.72	0.71	0.72	0.8%
World Oil Price																									
	0.44	0.29	0.32	0.33	0.36	0.39	0.42	0.44	0.46	0.48	0.50	0.50	0.50	0.51	0.51	0.51	0.52	0.52	0.52	0.52	0.53	0.53	0.54	0.54	0.9%

PAD = Petroleum Administration for Defense.

N/A = Not applicable.

Source: 1997: Energy Information Administration (EIA), Petroleum Supply Annual 1997, DOE/EIA-0340(97)
(Washington, D.C., June 1998). Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 79. Lower 48 Crude Oil Production and Wellhead Prices by Supply Region																								1997-	
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
Production 1/ (million barrels per day)																									
Lower 48 Total	5.15	5.21	5.14	5.10	5.06	4.95	4.89	4.85	4.84	4.86	4.84	4.83	4.82	4.81	4.81	4.80	4.78	4.76	4.72	4.69	4.65	4.61	4.55	4.47	-0.6%
Lower 48 Onshore																									
Northeast	0.12	0.12	0.12	0.10	0.09	0.07	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	-4.1%
Gulf Coast	0.79	0.80	0.79	0.77	0.70	0.64	0.59	0.55	0.53	0.51	0.46	0.43	0.40	0.38	0.37	0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.36	0.36	-3.4%
Midcontinent	0.40	0.40	0.40	0.35	0.31	0.27	0.25	0.23	0.21	0.20	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	-3.6%
Southwest	1.25	1.27	1.25	1.27	1.27	1.27	1.26	1.27	1.28	1.29	1.30	1.32	1.33	1.34	1.36	1.37	1.37	1.36	1.36	1.35	1.34	1.34	1.33	1.33	0.3%
Rocky Mountain	0.47	0.47	0.47	0.46	0.46	0.46	0.46	0.46	0.46	0.47	0.47	0.48	0.49	0.50	0.51	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.59	1.0%
West Coast	0.72	0.73	0.72	0.68	0.66	0.62	0.60	0.59	0.59	0.59	0.59	0.60	0.61	0.62	0.64	0.66	0.68	0.70	0.72	0.75	0.77	0.80	0.80	0.79	0.4%
Lower 48 Offshore																									
Gulf	1.19	1.21	1.19	1.28	1.38	1.44	1.49	1.53	1.57	1.60	1.61	1.61	1.60	1.58	1.55	1.50	1.45	1.40	1.34	1.28	1.22	1.15	1.09	1.03	-0.7%
Pacific	0.21	0.21	0.21	0.20	0.19	0.18	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.16	-1.1%
Atlantic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 (1997 dollars per barrel)																									
Lower 48 Average	16.25	12.11	12.96	13.02	14.36	15.45	16.72	17.77	18.80	19.81	20.49	20.65	20.80	20.80	20.83	21.06	21.09	21.08	21.05	21.07	21.19	21.35	21.51	21.73	1.3%
Lower 48 Onshore																									
Northeast	17.35	12.61	13.48	13.57	14.79	15.86	17.15	18.24	19.28	20.24	20.92	21.08	21.25	21.24	21.25	21.59	21.61	21.61	21.59	21.63	21.77	21.99	22.10	22.29	1.1%
Gulf Coast	17.12	12.71	13.60	13.31	14.54	15.61	16.87	17.91	18.90	19.84	20.56	20.69	20.86	20.89	20.93	21.19	21.23	21.25	21.19	21.23	21.37	21.57	21.71	21.91	1.1%
Midcontinent	16.96	12.38	13.25	13.47	14.68	15.75	17.03	18.10	19.12	20.08	20.76	20.93	21.09	21.09	21.11	21.42	21.45	21.46	21.42	21.46	21.59	21.80	21.92	22.12	1.2%
Southwest	17.01	12.38	13.26	13.30	14.51	15.57	16.84	17.89	18.87	19.82	20.51	20.69	20.84	20.85	20.89	21.16	21.19	21.22	21.15	21.18	21.30	21.50	21.63	21.84	1.1%
Rocky Mountain	16.47	11.56	12.41	13.36	14.59	15.66	16.93	17.98	18.97	19.92	20.63	20.77	20.93	20.96	21.00	21.28	21.31	21.32	21.27	21.31	21.46	21.66	21.80	21.99	1.3%
West Coast	14.49	9.83	10.51	10.88	12.64	13.69	14.77	15.72	16.85	18.12	18.60	18.86	18.95	18.92	18.97	19.07	19.19	19.14	19.39	19.42	19.58	19.71	20.01	20.35	1.5%
Lower 48 Offshore																									
Gulf	16.80	13.51	14.42	13.84	15.12	16.23	17.55	18.63	19.65	20.64	21.38	21.52	21.69	21.73	21.76	22.04	22.08	22.10	22.04	22.08	22.23	22.43	22.58	22.78	1.3%
Pacific	8.94	8.63	9.29	10.12	11.76	12.73	13.73	14.62	15.67	16.85	17.30	17.54	17.63	17.60	17.65	17.73	17.85	17.80	18.03	18.06	18.21	18.33	18.61	18.93	3.3%
Atlantic	16.80	13.51	14.42	13.57	14.79	15.86	17.15	18.24	19.28	20.24	20.92	21.08	21.25	21.24	21.25	21.59	21.61	21.61	21.59	21.63	21.77	21.99	22.10	22.29	1.2%

Sources: 1997 end-user and wholesale prices and distribution costs are estimated based on EIA forms EI-782-A, "Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report" and EI-782B, "Resellers'/Retailers' Monthly Petroleum Product Sales Report." End user prices include Federal and State taxes which are derived from Federal Highway Administration, Tax Rates on Motor Fuel- February 1, 1998, Table MF-121T, <http://www.fhwa.dot.gov/ohim/mmfrrnov.pdf>. 1998-1999: end-user and wholesale prices are derived from the Short-Term Energy Outlook, 3rd Quarter 1998. 1998 forward: Federal and State taxes and distribution costs are assumed. 2000 forward: end-user and wholesale price projections from EIA, AEO99 National Energy Modeling System run AEO99b.d100198a.

Table 80. Lower 48 Natural Gas Production and Wellhead Prices by Supply Region																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Production (trillion cubic feet) 1/																										
Lower 48 Total	18.50	18.20	18.52	18.66	19.19	19.60	20.13	20.40	20.92	21.33	21.80	22.18	22.59	23.09	23.47	24.00	24.32	24.93	25.40	25.73	26.05	26.35	26.51	26.62	1.6%	
Lower 48 Onshore																										
Northeast	0.87	0.85	0.89	0.96	1.03	1.08	1.10	1.12	1.13	1.16	1.24	1.32	1.40	1.48	1.53	1.61	1.63	1.71	1.81	1.73	1.70	1.69	1.67	1.63	2.8%	
Gulf Coast	4.74	4.75	4.88	4.89	4.86	4.68	4.57	4.49	4.57	4.72	4.92	5.11	5.28	5.42	5.47	5.54	5.61	5.82	5.95	6.15	6.35	6.53	6.62	6.67	1.5%	
Midcontinent	2.91	2.85	2.88	2.88	2.89	2.89	2.88	2.89	2.99	3.12	3.24	3.35	3.47	3.64	3.76	3.89	3.99	4.13	4.29	4.40	4.49	4.56	4.65	4.75	2.2%	
Southwest	1.59	1.66	1.75	1.79	1.83	1.82	1.80	1.77	1.78	1.80	1.85	1.88	1.89	1.88	1.88	1.87	1.88	1.90	1.92	1.97	2.01	2.05	2.08	2.08	1.2%	
Rocky Mountain	2.56	2.65	2.91	3.01	3.16	3.29	3.50	3.56	3.64	3.68	3.68	3.72	3.73	3.76	3.80	3.91	3.99	4.14	4.29	4.43	4.59	4.73	4.80	4.87	2.8%	
West Coast	0.22	0.23	0.24	0.25	0.24	0.22	0.21	0.20	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.24	0.24	0.5%	
Lower 48 Offshore																										
Gulf	5.56	5.15	4.91	4.83	5.14	5.55	6.00	6.31	6.56	6.61	6.64	6.57	6.58	6.67	6.80	6.94	6.98	6.98	6.88	6.78	6.64	6.51	6.40	6.32	0.6%	
Pacific	0.06	0.05	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	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.0%	
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	0.00	0.00	0.00	0.00	N/A
Wellhead Prices (1997 dollars per thousand cubic feet)																										
Lower 48 Average	2.23	1.96	2.09	2.10	2.16	2.20	2.25	2.29	2.35	2.42	2.45	2.47	2.49	2.52	2.53	2.54	2.55	2.58	2.62	2.65	2.66	2.67	2.68	2.68	0.8%	
Lower 48 Onshore																										
Northeast	2.65	2.12	2.16	2.10	2.15	2.23	2.35	2.44	2.50	2.51	2.48	2.47	2.48	2.53	2.64	2.67	2.66	2.72	2.84	2.96	2.97	2.99	3.00	2.97	0.5%	
Gulf Coast	2.27	1.97	2.12	2.19	2.29	2.34	2.35	2.34	2.34	2.35	2.36	2.40	2.45	2.52	2.55	2.57	2.58	2.60	2.61	2.63	2.66	2.69	2.71	2.71	0.8%	
Midcontinent	2.28	2.00	2.14	2.17	2.24	2.28	2.31	2.32	2.34	2.36	2.39	2.41	2.42	2.45	2.48	2.52	2.55	2.58	2.62	2.64	2.66	2.66	2.65	2.62	0.6%	
Southwest	2.13	1.79	1.92	1.99	2.14	2.31	2.38	2.41	2.41	2.42	2.41	2.48	2.54	2.59	2.59	2.59	2.58	2.58	2.59	2.61	2.60	2.61	2.67	2.74	1.1%	
Rocky Mountain	1.81	1.58	1.74	1.79	1.92	2.03	2.17	2.27	2.38	2.51	2.55	2.56	2.56	2.54	2.50	2.47	2.43	2.41	2.42	2.44	2.44	2.45	2.47	2.48	1.4%	
West Coast	1.82	1.59	1.77	1.83	2.01	2.22	2.47	2.65	2.71	2.68	2.63	2.58	2.54	2.51	2.46	2.41	2.38	2.35	2.34	2.37	2.40	2.44	2.58	2.74	1.8%	
Lower 48 Offshore																										
Gulf	2.35	2.17	2.29	2.21	2.14	2.11	2.13	2.18	2.29	2.42	2.50	2.52	2.52	2.52	2.52	2.54	2.58	2.64	2.70	2.76	2.78	2.78	2.77	2.75	0.7%	
Pacific	1.82	1.51	1.60	1.61	1.78	1.96	2.19	2.44	2.62	2.69	2.69	2.65	2.59	2.52	2.45	2.38	2.35	2.33	2.33	2.40	2.45	2.50	2.64	2.81	1.9%	
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	0.00	0.00	0.00	0.00	N/A

1/ Marketed production (wet) minus extraction losses.

N/A = Not applicable.

Notes: Supply regions are defined in "Documentation of the Oil and Gas Supply Module", Energy Information Administration, DOE/EIA-MO63(98) (Washington, DC, January 1998). Totals may not equal sum of components due to independent rounding.

Source: 1997: Energy Information Administration (EIA), Office of Integrated Analysis and Forecasting, and Natural Gas Monthly, DOE/EIA-0130(98/6) (Washington, DC, June 1998). Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 81. Oil and Gas, End-of-Year Reserves and Annual Reserve Additions																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Lower 48 Reserves																									
Crude Oil (billion barrels)1/																									
Lower 48 Total	18.28	17.78	17.16	16.47	15.89	15.32	14.92	14.62	14.44	14.22	14.06	13.95	13.85	13.80	13.76	13.75	13.73	13.72	13.70	13.71	13.74	13.79	13.76	13.70	-1.2%
Lower 48 Onshore	13.93	13.50	12.93	12.32	11.81	11.33	11.00	10.78	10.66	10.51	10.42	10.40	10.40	10.46	10.54	10.65	10.75	10.87	10.99	11.12	11.29	11.47	11.57	11.62	-0.8%
Conventional	11.45	11.11	10.68	10.17	9.71	9.34	9.05	8.84	8.70	8.51	8.37	8.27	8.20	8.16	8.14	8.13	8.12	8.13	8.15	8.19	8.24	8.31	8.40	8.51	-1.3%
Enhanced Oil Recovery	2.48	2.40	2.25	2.15	2.10	1.99	1.96	1.94	1.96	2.00	2.05	2.13	2.20	2.30	2.40	2.52	2.63	2.74	2.84	2.94	3.05	3.16	3.17	3.12	1.0%
Lower 48 Offshore	4.35	4.27	4.22	4.16	4.07	3.99	3.91	3.84	3.78	3.71	3.63	3.55	3.45	3.34	3.23	3.10	2.98	2.85	2.72	2.58	2.45	2.32	2.20	2.07	-3.2%
Dry Natural Gas (trillion cubic feet)																									
Lower 48 Total	158.1	158.4	160.9	162.4	163.8	165.2	166.4	166.4	166.8	168.7	170.4	172.0	173.5	174.3	175.7	176.4	176.8	176.4	175.7	176.3	176.1	175.3	174.0	172.0	0.4%
Lower 48 Onshore	123.4	121.6	121.6	120.9	120.1	119.7	119.8	118.9	118.6	119.9	121.0	122.0	123.1	123.8	125.5	126.9	128.2	128.9	129.3	131.0	131.9	132.3	132.2	131.6	0.3%
Associated-Dissolved 2/	14.9	14.5	14.8	14.7	14.0	13.1	12.3	11.6	11.1	10.7	10.4	10.2	10.1	10.0	9.9	9.9	9.9	9.9	10.0	10.0	10.1	10.1	10.1	10.1	-1.7%
Non-Associated	108.5	107.1	106.8	106.2	106.1	106.6	107.5	107.3	107.5	109.1	110.5	111.7	113.0	113.8	115.6	117.0	118.3	118.9	119.3	121.0	121.9	122.2	122.1	121.4	0.5%
Conventional	58.9	59.1	59.5	60.0	60.6	61.5	62.4	61.7	61.1	60.6	60.3	60.0	59.9	59.8	59.9	59.9	60.0	60.0	59.9	59.8	59.5	59.0	58.4	57.7	-0.1%
Unconventional	49.6	48.0	47.3	46.2	45.4	45.1	45.1	45.6	46.4	48.5	50.2	51.7	53.1	54.0	55.7	57.2	58.3	58.9	59.4	61.2	62.4	63.2	63.7	63.7	1.1%
Lower 48 Offshore	34.7	36.8	39.3	41.6	43.7	45.5	46.6	47.5	48.1	48.8	49.4	50.0	50.4	50.5	50.2	49.5	48.6	47.5	46.4	45.3	44.2	43.1	41.8	40.5	0.7%
Associated-Dissolved 2/	7.6	8.0	8.0	8.0	8.2	8.4	8.5	8.6	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.7	8.6	8.5	8.4	8.3	8.1	8.0	7.8	7.7	0.1%
Non-Associated	27.1	28.8	31.3	33.6	35.6	37.1	38.1	38.9	39.5	40.0	40.6	41.2	41.6	41.6	41.4	40.8	40.0	39.0	38.0	37.0	36.1	35.1	34.0	32.8	0.8%
Lower 48 Reserve Additions																									
Crude Oil (billion barrels)1/																									
Lower 48 Total	2.02	1.40	1.26	1.18	1.26	1.24	1.38	1.48	1.58	1.56	1.61	1.66	1.66	1.70	1.72	1.74	1.72	1.73	1.71	1.71	1.73	1.74	1.63	1.56	-1.1%
Lower 48 Onshore	1.12	0.96	0.79	0.70	0.77	0.73	0.85	0.93	1.01	0.98	1.04	1.10	1.12	1.18	1.21	1.25	1.26	1.28	1.29	1.32	1.36	1.38	1.30	1.25	0.5%
Conventional	1.00	0.84	0.75	0.63	0.64	0.68	0.73	0.78	0.83	0.78	0.81	0.83	0.86	0.89	0.91	0.92	0.92	0.94	0.96	0.97	0.99	1.00	1.02	1.05	0.2%
Enhanced Oil Recovery	0.12	0.12	0.04	0.07	0.13	0.05	0.13	0.15	0.18	0.21	0.23	0.26	0.25	0.29	0.30	0.33	0.34	0.34	0.34	0.35	0.37	0.38	0.28	0.21	2.4%
Lower 48 Offshore	0.90	0.44	0.46	0.47	0.49	0.51	0.53	0.55	0.57	0.57	0.57	0.56	0.55	0.53	0.51	0.49	0.46	0.44	0.42	0.40	0.37	0.35	0.33	0.31	-4.5%
Dry Natural Gas (trillion cubic feet)																									
Lower 48 Total	20.3	18.5	21.0	20.2	20.6	21.0	21.3	20.4	21.3	23.2	23.5	23.8	24.1	23.9	24.9	24.7	24.7	24.5	24.7	26.3	25.9	25.5	25.2	24.6	0.8%
Lower 48 Onshore	13.6	11.2	13.5	13.0	13.2	13.7	14.1	13.2	14.0	15.9	16.2	16.6	17.0	17.1	18.3	18.4	18.6	18.5	18.9	20.6	20.3	20.1	20.0	19.6	1.6%
Associated-Dissolved 2/	2.0	1.3	2.0	1.7	1.0	0.6	0.6	0.7	0.8	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	-2.0%
Non-Associated	11.6	9.8	11.5	11.4	12.2	13.0	13.5	12.4	13.2	15.0	15.2	15.6	16.0	16.0	17.2	17.2	17.4	17.3	17.7	19.3	19.0	18.9	18.8	18.4	2.0%
Conventional	7.0	7.8	8.4	8.7	9.1	9.4	9.6	8.1	8.4	8.8	9.2	9.5	9.9	10.2	10.4	10.5	10.8	11.0	11.2	11.4	11.6	11.6	11.6	11.6	2.2%
Unconventional	4.6	2.1	3.1	2.7	3.1	3.6	3.9	4.3	4.8	6.3	6.1	6.0	6.1	5.8	6.8	6.7	6.6	6.3	6.5	7.9	7.5	7.3	7.2	6.8	1.7%
Lower 48 Offshore	6.8	7.3	7.5	7.2	7.4	7.3	7.2	7.2	7.2	7.3	7.3	7.2	7.0	6.8	6.5	6.4	6.1	6.0	5.8	5.7	5.6	5.4	5.2	5.0	-1.3%
Associated-Dissolved 2/	0.9	1.3	0.9	0.8	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	-1.6%
Non-Associated	5.8	6.0	6.6	6.4	6.3	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.1	5.9	5.7	5.5	5.3	5.2	5.0	5.0	4.9	4.7	4.5	4.4	-1.2%

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 sums due to independent rounding.

Source: 1997: Energy Information Administration (EIA), Office of Integrated Analysis and Forecasting. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 82. Natural Gas Imports and Exports																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Volumes (trillion cubic feet)																										
Total Net Imports	2.84	2.92	3.16	3.29	3.41	3.44	3.47	3.59	3.68	3.85	4.00	4.12	4.21	4.35	4.45	4.52	4.61	4.69	4.78	4.86	4.93	4.97	5.00	5.02	2.5%	
Pipeline																										
Imports from Canada	2.90	2.95	3.16	3.27	3.37	3.38	3.38	3.47	3.53	3.68	3.84	3.96	4.05	4.21	4.31	4.38	4.48	4.56	4.66	4.75	4.83	4.88	4.92	4.96	2.4%	
Exports to Canada	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	0.06	0.06	0.06	-0.0%	
Imports from Mexico	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	0.02	0.02	0.02	0.9%	
Exports to Mexico	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	7.3%	
Liquefied Natural Gas																										
Imports	0.08	0.12	0.16	0.19	0.21	0.23	0.26	0.30	0.34	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	6.7%	
Exports	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	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.4%	
Border Prices (1997 dollars per thousand cubic feet)																										
Average Import Price	2.15	2.00	2.11	2.19	2.25	2.29	2.32	2.35	2.36	2.38	2.41	2.42	2.44	2.48	2.50	2.50	2.52	2.53	2.55	2.57	2.60	2.62	2.65	2.68	1.0%	
Pipeline Import Prices																										
From Canada	2.13	1.98	2.08	2.17	2.22	2.27	2.30	2.33	2.34	2.36	2.39	2.40	2.41	2.46	2.48	2.48	2.50	2.51	2.53	2.55	2.58	2.61	2.64	2.67	1.0%	
From Mexico	2.29	1.96	2.11	2.15	2.25	2.32	2.35	2.35	2.36	2.38	2.40	2.43	2.48	2.54	2.57	2.59	2.59	2.61	2.62	2.65	2.67	2.69	2.70	2.72	0.7%	
LNG Price (includes regasification)	2.58	2.57	2.61	2.58	2.59	2.59	2.61	2.61	2.62	2.61	2.63	2.65	2.68	2.71	2.73	2.75	2.75	2.76	2.77	2.78	2.80	2.81	2.81	2.82	0.4%	

N/A = Not applicable.

LNG = Liquefied natural gas.

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

Sources: 1997 import and export volumes; pipeline import price from Canada; and LNG price: Energy Information Administration (EIA), Natural Gas Monthly, DOE/EIA-0130(98/6) (Washington, D.C., June 1998). Other 1997: EIA, Office of Integrated Analysis and Forecasting. Figures for 1997 may differ from the published data due to internal conversion factors within the AEO99 National Energy Modeling System. Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 83. Natural Gas Consumption by End-Use Sector and Census Division (Quadrillion Btu per Year)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020
Residential																									
New England	0.20	0.18	0.20	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.22	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	1.2%
Middle Atlantic	0.89	0.83	0.90	0.89	0.88	0.88	0.87	0.87	0.86	0.85	0.85	0.85	0.84	0.84	0.84	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.84	0.85	-0.2%
East North Central	1.58	1.46	1.59	1.59	1.58	1.57	1.57	1.57	1.56	1.55	1.55	1.56	1.55	1.55	1.55	1.56	1.56	1.57	1.57	1.57	1.57	1.57	1.57	1.57	-0.0%
West North Central	0.49	0.45	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.51	0.51	0.51	0.52	0.52	0.52	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.54	0.4%
South Atlantic	0.41	0.38	0.42	0.43	0.44	0.45	0.47	0.48	0.50	0.52	0.53	0.56	0.57	0.59	0.61	0.62	0.63	0.65	0.66	0.67	0.68	0.69	0.70	0.71	2.4%
East South Central	0.21	0.19	0.21	0.22	0.22	0.22	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	0.27	0.27	0.27	0.28	0.28	1.2%
West South Central	0.42	0.39	0.42	0.42	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44	0.44	0.44	0.45	0.45	0.46	0.46	0.46	0.47	0.47	0.47	0.48	0.6%
Mountain	0.29	0.27	0.30	0.31	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.47	0.47	2.1%
Pacific	0.64	0.59	0.65	0.65	0.65	0.65	0.65	0.66	0.66	0.66	0.67	0.68	0.69	0.69	0.70	0.72	0.73	0.74	0.74	0.75	0.76	0.77	0.77	0.78	0.8%
Total	5.15	4.75	5.18	5.21	5.21	5.23	5.25	5.30	5.31	5.34	5.38	5.44	5.47	5.52	5.57	5.65	5.68	5.74	5.77	5.81	5.83	5.86	5.89	5.94	0.6%
Commercial																									
New England	0.16	0.15	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.6%
Middle Atlantic	0.57	0.55	0.60	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.64	0.64	0.64	0.5%
East North Central	0.82	0.79	0.86	0.86	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.89	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.89	0.89	0.89	0.89	0.88	0.3%
West North Central	0.35	0.33	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.38	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	0.5%
South Atlantic	0.34	0.33	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.40	0.40	0.41	0.42	0.42	0.43	0.43	0.44	0.45	0.45	0.45	0.46	0.46	0.46	0.47	1.4%
East South Central	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.8%
West South Central	0.34	0.32	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.40	0.40	0.41	0.41	0.41	0.42	0.42	0.42	0.42	0.43	0.43	0.43	1.0%
Mountain	0.22	0.21	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.28	0.28	0.29	0.29	0.30	0.30	0.31	0.31	0.31	0.32	0.32	0.32	1.6%
Pacific	0.41	0.39	0.43	0.43	0.43	0.43	0.43	0.44	0.44	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.50	0.50	0.8%
Total	3.37	3.22	3.53	3.55	3.57	3.60	3.62	3.66	3.68	3.71	3.74	3.77	3.81	3.84	3.87	3.90	3.93	3.95	3.97	3.98	3.99	3.99	4.00	4.00	0.7%
Industrial 1/																									
New England	0.13	0.13	0.14	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	0.15	0.15	0.15	0.15	0.5%
Middle Atlantic	0.75	0.77	0.79	0.77	0.78	0.79	0.79	0.79	0.80	0.80	0.81	0.81	0.82	0.82	0.83	0.84	0.84	0.86	0.86	0.88	0.88	0.88	0.89	0.89	0.7%
East North Central	1.42	1.46	1.49	1.57	1.58	1.59	1.59	1.59	1.60	1.62	1.64	1.64	1.66	1.67	1.67	1.68	1.69	1.70	1.72	1.73	1.74	1.75	1.76	1.77	1.0%
West North Central	0.48	0.49	0.50	0.53	0.53	0.53	0.53	0.53	0.54	0.54	0.55	0.55	0.56	0.56	0.56	0.56	0.57	0.57	0.58	0.58	0.58	0.59	0.59	0.59	1.0%
South Atlantic	0.72	0.72	0.74	0.75	0.76	0.77	0.77	0.76	0.77	0.78	0.79	0.79	0.79	0.80	0.80	0.81	0.82	0.82	0.83	0.84	0.84	0.85	0.86	0.86	0.8%
East South Central	0.49	0.49	0.51	0.51	0.52	0.52	0.53	0.53	0.53	0.53	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.58	0.59	0.59	0.8%
West South Central	3.41	3.42	3.51	3.52	3.56	3.58	3.60	3.60	3.62	3.66	3.70	3.70	3.74	3.76	3.79	3.82	3.85	3.88	3.91	3.94	3.97	4.00	4.03	4.05	0.7%
Mountain	0.30	0.30	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.38	0.38	0.39	0.39	0.39	1.1%
Pacific	0.93	0.93	0.95	0.88	0.93	0.93	0.95	0.97	0.98	1.01	1.03	1.05	1.07	1.09	1.10	1.12	1.14	1.16	1.18	1.19	1.20	1.22	1.23	1.24	1.2%
Total	8.64	8.72	8.93	8.98	9.12	9.17	9.22	9.23	9.30	9.41	9.52	9.56	9.66	9.73	9.80	9.90	9.98	10.07	10.16	10.24	10.32	10.41	10.48	10.54	0.9%
Electric Generators 2/																									
New England	0.22	0.20	0.22	0.23	0.31	0.34	0.39	0.43	0.47	0.52	0.54	0.56	0.57	0.58	0.58	0.60	0.61	0.61	0.62	0.62	0.63	0.63	0.64	0.64	4.8%
Middle Atlantic	0.30	0.20	0.23	0.30	0.36	0.44	0.51	0.64	0.80	0.86	0.97	1.02	1.04	1.14	1.20	1.25	1.29	1.39	1.48	1.51	1.59	1.61	1.63	1.61	7.6%
East North Central	0.11	0.30	0.16	0.10	0.11	0.12	0.14	0.17	0.20	0.24	0.31	0.38	0.42	0.48	0.52	0.58	0.62	0.70	0.80	0.89	0.96	1.02	1.08	1.10	10.6%
West North Central	0.05	0.06	0.05	0.05	0.06	0.06	0.06	0.07	0.10	0.12	0.13	0.14	0.15	0.17	0.19	0.20	0.21	0.22	0.23	0.23	0.24	0.24	0.25	0.25	7.5%
South Atlantic	0.49	0.30	0.33	0.33	0.37	0.40	0.45	0.48	0.52	0.58	0.62	0.64	0.66	0.69	0.70	0.71	0.74	0.77	0.75	0.77	0.74	0.73	0.73	0.72	1.7%
East South Central	0.09	0.11	0.11	0.19	0.20	0.20	0.27	0.32	0.42	0.47	0.56	0.58	0.69	0.81	0.89	1.02	1.09	1.22	1.32	1.33	1.40	1.48	1.51	1.53	13.1%
West South Central	1.53	1.26	1.28	1.33	1.44	1.53	1.55	1.49	1.51	1.55	1.60	1.65	1.69	1.73	1.80	1.85	1.88	1.96	2.04	2.10	2.11	2.13	2.12	2.12	1.4%
Mountain	0.13	0.33	0.35	0.33	0.34	0.34	0.32	0.32	0.33	0.36	0.39	0.42	0.45	0.46	0.49	0.51	0.53	0.55	0.58	0.58	0.58	0.59	0.61	0.54	6.4%
Pacific	0.49	0.44	0.54	0.44	0.51	0.57	0.65	0.66	0.68	0.70	0.71	0.75	0.77	0.78	0.76	0.78	0.76	0.79	0.79	0.80	0.84	0.84	0.81	0.84	2.4%
Total	3.40	3.22	3.28	3.30	3.70	4.00	4.34	4.58	5.03	5.40	5.81	6.14	6.44	6.84	7.13	7.50	7.73	8.21	8.61	8.84	9.09	9.28	9.35	9.36	4.5%

Table 83. Natural Gas Consumption by End-Use Sector and Census Division (Quadrillion Btu per Year)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Transportation 3/																									
New England	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	0.02	0.02	0.02	0.02	14.4%
Middle Atlantic	0.00	0.00	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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	14.1%
East North Central	0.00	0.00	0.01	0.01	0.01	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	0.04	0.05	0.05	0.05	0.05	0.05	14.3%
West North Central	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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	14.5%
South Atlantic	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.03	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	0.06	15.3%
East 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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	14.5%
West South Central	0.00	0.00	0.00	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	0.04	0.04	0.04	0.04	0.04	0.04	15.2%
Mountain	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	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	16.2%
Pacific	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	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	0.05	0.06	15.2%
Total	0.01	0.02	0.04	0.06	0.09	0.11	0.14	0.16	0.18	0.20	0.21	0.23	0.24	0.26	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.33	0.34	0.34	14.9%
All Sectors 4/																									
New England	0.71	0.67	0.73	0.74	0.82	0.86	0.91	0.96	1.00	1.06	1.09	1.11	1.13	1.15	1.16	1.18	1.20	1.21	1.21	1.22	1.23	1.23	1.24	1.25	2.5%
Middle Atlantic	2.52	2.35	2.53	2.58	2.65	2.73	2.81	2.94	3.09	3.16	3.29	3.33	3.37	3.47	3.54	3.61	3.66	3.78	3.88	3.92	4.00	4.02	4.05	4.03	2.1%
East North Central	3.93	4.01	4.11	4.13	4.15	4.17	4.19	4.23	4.27	4.33	4.41	4.50	4.55	4.62	4.68	4.76	4.81	4.90	5.03	5.12	5.21	5.27	5.34	5.37	1.4%
West North Central	1.37	1.34	1.41	1.44	1.45	1.46	1.47	1.49	1.53	1.55	1.58	1.60	1.62	1.64	1.67	1.70	1.71	1.73	1.75	1.76	1.77	1.78	1.79	1.80	1.2%
South Atlantic	1.98	1.74	1.86	1.89	1.96	2.02	2.09	2.15	2.21	2.30	2.38	2.44	2.49	2.55	2.59	2.63	2.69	2.74	2.75	2.79	2.78	2.79	2.81	2.83	1.6%
East South Central	0.95	0.95	1.00	1.09	1.11	1.12	1.20	1.25	1.37	1.43	1.53	1.56	1.68	1.81	1.90	2.05	2.12	2.26	2.36	2.38	2.46	2.55	2.58	2.60	4.5%
West South Central	5.70	5.39	5.57	5.64	5.80	5.91	5.96	5.92	5.97	6.05	6.14	6.21	6.29	6.36	6.47	6.56	6.64	6.75	6.87	6.96	7.01	7.06	7.09	7.12	1.0%
Mountain	0.95	1.11	1.18	1.19	1.22	1.23	1.23	1.25	1.27	1.32	1.37	1.42	1.47	1.51	1.56	1.60	1.64	1.68	1.72	1.75	1.76	1.79	1.81	1.76	2.7%
Pacific	2.48	2.36	2.57	2.41	2.53	2.60	2.72	2.74	2.79	2.84	2.89	2.97	3.02	3.07	3.08	3.14	3.15	3.21	3.25	3.29	3.34	3.38	3.36	3.41	1.4%
Total	20.58	19.93	20.96	21.09	21.68	22.10	22.56	22.92	23.50	24.05	24.66	25.15	25.62	26.19	26.65	27.23	27.61	28.27	28.82	29.19	29.55	29.87	30.06	30.18	1.7%

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

2/ Includes all electric power generators except cogenerators, which produce electricity and another form of 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.

Btu = British thermal unit.

N/A = Not applicable.

Notes: Totals may not equal sum of components due to independent rounding. Figures for 1997 may differ from published data due to internal conversion factors in the AEO99 National Energy Modeling System.

Sources: 1997 electric utility fuel consumption: EIA, Electric Power Annual 1997, Volume 1, DOE/EIA-0348(97)/1 (Washington, DC, July 1998). 1997 nonutility consumption estimates: Form EIA-867, "Annual Nonutility Power Producer Report." Other 1997 values: EIA, Short-Term Energy Outlook, September 1998. Online <http://www.eia.doe.gov/emeu/steo/pub/upd/sep98/contents.html> (October 15, 1998). Projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 84. Natural Gas Delivered Prices by End-Use Sector and Census Division (1997 Dollars per Million Btu)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Residential																									
New England	9.35	8.77	8.70	8.50	8.35	8.21	8.07	7.93	7.87	7.77	7.65	7.52	7.40	7.32	7.24	7.14	7.06	7.00	6.97	6.98	6.97	6.95	6.93	6.90	-1.3%
Middle Atlantic	8.87	8.50	8.44	8.30	8.20	8.11	8.02	7.94	7.94	7.90	7.84	7.75	7.68	7.64	7.58	7.48	7.41	7.35	7.32	7.34	7.34	7.34	7.33	7.31	-0.8%
East North Central	5.87	5.26	5.54	5.46	5.43	5.38	5.33	5.27	5.28	5.28	5.26	5.22	5.20	5.18	5.16	5.13	5.12	5.10	5.10	5.13	5.13	5.13	5.12	5.10	-0.6%
West North Central	5.99	5.73	5.97	5.89	5.86	5.80	5.74	5.67	5.67	5.66	5.62	5.57	5.53	5.50	5.46	5.43	5.40	5.38	5.37	5.38	5.38	5.37	5.36	5.35	-0.5%
South Atlantic	8.09	7.49	7.57	7.34	7.18	7.02	6.88	6.74	6.67	6.60	6.50	6.38	6.28	6.20	6.14	6.06	6.00	5.97	5.97	5.99	5.97	5.94	5.90	5.85	-1.4%
East South Central	6.86	6.22	6.44	6.31	6.21	6.10	5.99	5.89	5.87	5.86	5.83	5.78	5.73	5.70	5.67	5.64	5.62	5.61	5.61	5.62	5.62	5.61	5.61	5.58	-0.9%
West South Central	6.36	5.47	5.76	5.66	5.60	5.52	5.45	5.38	5.39	5.42	5.42	5.40	5.39	5.38	5.36	5.33	5.32	5.31	5.32	5.34	5.34	5.34	5.33	5.31	-0.8%
Mountain	4.95	5.40	5.64	5.53	5.50	5.46	5.46	5.44	5.50	5.55	5.52	5.44	5.36	5.26	5.16	5.06	4.96	4.90	4.87	4.86	4.84	4.83	4.83	4.83	-0.1%
Pacific	6.38	6.94	7.12	7.12	7.08	7.04	7.02	6.95	6.93	6.90	6.81	6.71	6.62	6.52	6.41	6.31	6.21	6.13	6.08	6.05	6.04	6.03	6.03	6.03	-0.2%
Average	6.80	6.46	6.63	6.53	6.46	6.38	6.32	6.24	6.24	6.22	6.17	6.10	6.05	6.00	5.95	5.88	5.83	5.80	5.78	5.79	5.79	5.78	5.74	5.74	-0.7%
Commercial																									
New England	7.02	6.30	6.35	6.26	6.22	6.18	6.14	6.11	6.11	6.08	6.04	5.98	5.93	5.91	5.89	5.84	5.81	5.79	5.79	5.83	5.84	5.84	5.83	5.82	-0.8%
Middle Atlantic	6.28	5.65	5.81	5.72	5.68	5.64	5.61	5.59	5.60	5.59	5.56	5.53	5.49	5.48	5.46	5.42	5.39	5.37	5.37	5.41	5.40	5.40	5.40	5.39	-0.7%
East North Central	5.36	4.75	4.95	4.91	4.91	4.90	4.89	4.86	4.87	4.88	4.86	4.83	4.81	4.80	4.79	4.77	4.76	4.76	4.76	4.79	4.79	4.79	4.78	4.77	-0.5%
West North Central	5.07	4.69	4.88	4.85	4.86	4.86	4.85	4.84	4.84	4.85	4.83	4.80	4.78	4.76	4.74	4.73	4.71	4.70	4.71	4.72	4.72	4.72	4.72	4.71	-0.3%
South Atlantic	6.48	5.91	6.00	5.89	5.84	5.80	5.76	5.73	5.73	5.70	5.66	5.62	5.59	5.57	5.53	5.51	5.51	5.53	5.57	5.57	5.57	5.56	5.54	5.51	-0.7%
East South Central	5.92	5.30	5.46	5.39	5.36	5.32	5.27	5.24	5.25	5.27	5.27	5.25	5.23	5.22	5.21	5.20	5.19	5.21	5.22	5.24	5.24	5.25	5.25	5.23	-0.5%
West South Central	5.02	4.33	4.54	4.50	4.48	4.46	4.43	4.41	4.44	4.48	4.50	4.50	4.50	4.51	4.51	4.50	4.51	4.52	4.54	4.57	4.58	4.58	4.58	4.58	-0.4%
Mountain	4.07	4.16	4.39	4.38	4.45	4.50	4.59	4.65	4.74	4.84	4.84	4.81	4.77	4.71	4.65	4.58	4.51	4.47	4.46	4.47	4.46	4.47	4.49	4.50	0.4%
Pacific	5.67	6.04	6.22	6.26	6.26	6.25	6.28	6.25	6.25	6.24	6.18	6.11	6.04	5.97	5.89	5.82	5.75	5.70	5.66	5.65	5.65	5.66	5.67	5.68	0.0%
Average	5.62	5.19	5.36	5.31	5.30	5.28	5.27	5.26	5.27	5.28	5.26	5.23	5.19	5.17	5.15	5.11	5.09	5.08	5.08	5.10	5.10	5.10	5.10	5.09	-0.4%
Industrial 1/																									
New England	4.05	3.45	3.50	3.41	3.48	3.52	3.56	3.60	3.65	3.70	3.74	3.75	3.77	3.81	3.83	3.84	3.85	3.88	3.93	3.99	4.02	4.04	4.05	4.05	0.0%
Middle Atlantic	4.09	3.54	3.60	3.54	3.58	3.61	3.65	3.68	3.73	3.79	3.82	3.84	3.85	3.89	3.91	3.91	3.90	3.93	3.96	4.00	4.01	4.03	4.03	4.03	-0.1%
East North Central	3.36	3.00	3.11	3.10	3.16	3.21	3.25	3.28	3.32	3.36	3.37	3.38	3.39	3.40	3.41	3.42	3.43	3.45	3.48	3.51	3.53	3.54	3.53	3.52	0.2%
West North Central	3.09	2.68	2.80	2.79	2.86	2.92	2.97	3.00	3.04	3.09	3.10	3.11	3.11	3.12	3.12	3.14	3.15	3.16	3.19	3.21	3.23	3.24	3.24	3.24	0.2%
South Atlantic	3.03	2.66	2.74	2.71	2.75	2.80	2.83	2.87	2.93	2.98	3.02	3.03	3.04	3.07	3.09	3.10	3.12	3.17	3.23	3.29	3.31	3.32	3.32	3.31	0.4%
East South Central	2.79	2.49	2.61	2.60	2.64	2.68	2.69	2.72	2.77	2.83	2.88	2.90	2.93	2.96	2.98	3.01	3.03	3.08	3.12	3.15	3.17	3.19	3.20	3.20	0.6%
West South Central	2.62	2.34	2.47	2.47	2.51	2.54	2.56	2.58	2.63	2.70	2.74	2.77	2.80	2.83	2.85	2.87	2.89	2.92	2.96	2.99	3.01	3.03	3.03	3.03	0.6%
Mountain	2.52	2.27	2.41	2.44	2.54	2.66	2.81	2.92	3.07	3.22	3.27	3.29	3.28	3.25	3.21	3.17	3.14	3.13	3.15	3.16	3.18	3.19	3.21	3.23	1.1%
Pacific	2.62	2.57	2.78	2.87	2.95	3.03	3.12	3.16	3.21	3.27	3.28	3.28	3.28	3.27	3.25	3.24	3.22	3.22	3.23	3.24	3.27	3.29	3.31	3.35	1.1%
Average	2.96	2.65	2.77	2.77	2.82	2.87	2.91	2.94	2.99	3.05	3.08	3.10	3.12	3.14	3.15	3.16	3.17	3.20	3.23	3.26	3.28	3.29	3.30	3.30	0.5%
Electric Generators 2/																									
New England	3.03	2.06	2.14	2.18	2.27	2.38	2.46	2.52	2.58	2.60	2.63	2.63	2.65	2.68	2.70	2.71	2.74	2.78	2.83	2.87	2.88	2.88	2.88	2.88	-0.2%
Middle Atlantic	2.85	2.48	2.51	2.51	2.55	2.63	2.70	2.76	2.83	2.88	2.92	2.94	2.95	2.99	3.02	3.03	3.02	3.05	3.08	3.13	3.14	3.15	3.16	3.16	0.5%
East North Central	2.08	1.57	1.81	2.33	2.40	2.44	2.46	2.45	2.49	2.58	2.60	2.56	2.56	2.58	2.59	2.62	2.64	2.70	2.69	2.73	2.74	2.74	2.75	2.74	1.2%
West North Central	2.54	2.27	2.35	2.36	2.42	2.49	2.59	2.70	2.82	2.88	2.88	2.87	2.87	2.89	2.95	2.97	2.98	3.00	3.03	3.08	3.10	3.11	3.13	3.13	0.9%
South Atlantic	2.57	2.73	2.84	2.82	2.84	2.88	2.91	2.95	3.03	3.11	3.16	3.18	3.19	3.23	3.25	3.27	3.29	3.34	3.37	3.39	3.40	3.42	3.42	3.40	1.2%
East South Central	2.68	2.40	2.52	2.53	2.55	2.58	2.58	2.63	2.73	2.80	2.85	2.87	2.90	2.95	2.98	3.03	3.05	3.12	3.16	3.19	3.21	3.25	3.27	3.26	0.9%
West South Central	2.68	2.41	2.54	2.53	2.58	2.62	2.65	2.73	2.82	2.90	2.95	2.98	3.02	3.06	3.08	3.11	3.13	3.17	3.21	3.26	3.29	3.30	3.31	3.30	0.9%
Mountain	2.48	2.38	2.54	2.65	2.82	3.02	3.26	3.47	3.61	3.70	3.69	3.70	3.72	3.72	3.70	3.68	3.66	3.65	3.66	3.68	3.69	3.74	3.87	3.96	2.1%
Pacific	2.88	3.01	3.17	3.19	3.20	3.26	3.32	3.40	3.47	3.49	3.50	3.55	3.54	3.54	3.53	3.51	3.51	3.48	3.49	3.48	3.50	3.51	3.49	3.54	0.9%
Average	2.70	2.42	2.60	2.62	2.67	2.74	2.80	2.87	2.94	3.00	3.03	3.04	3.06	3.08	3.10	3.11	3.12	3.14	3.17	3.20	3.21	3.23	3.24	3.24	0.8%

Table 84. Natural Gas Delivered Prices by End-Use Sector and Census Division (1997 Dollars per Million Btu)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Transportation 3/																									
New England	8.71	8.49	8.48	8.32	8.28	8.30	8.35	8.44	8.51	8.59	8.67	8.70	8.74	8.78	8.80	8.79	8.78	8.80	8.83	8.85	8.86	8.84	8.81	8.77	0.0%
Middle Atlantic	6.25	6.34	6.40	6.34	6.33	6.32	6.36	6.43	6.54	6.69	6.83	6.93	7.01	7.11	7.17	7.21	7.23	7.28	7.34	7.39	7.42	7.44	7.45	7.45	0.8%
East North Central	7.03	7.05	7.12	7.10	7.12	7.17	7.21	7.24	7.31	7.40	7.46	7.50	7.54	7.57	7.58	7.58	7.59	7.61	7.62	7.63	7.62	7.61	7.58	7.54	0.3%
West North Central	5.39	5.70	5.79	5.83	5.80	5.80	5.84	5.90	6.00	6.14	6.26	6.34	6.41	6.46	6.50	6.53	6.56	6.59	6.62	6.64	6.66	6.65	6.64	6.62	0.9%
South Atlantic	6.00	6.19	6.25	6.15	6.11	6.12	6.17	6.24	6.34	6.46	6.57	6.64	6.70	6.75	6.79	6.82	6.84	6.90	6.94	6.98	6.99	6.99	6.97	6.94	0.6%
East South Central	6.65	6.76	6.87	6.90	6.89	6.87	6.87	6.90	6.98	7.09	7.19	7.26	7.31	7.36	7.39	7.42	7.44	7.48	7.50	7.52	7.53	7.53	7.51	7.49	0.5%
West South Central	4.67	5.28	5.41	5.43	5.34	5.31	5.33	5.38	5.51	5.69	5.86	5.99	6.09	6.18	6.24	6.29	6.34	6.39	6.44	6.48	6.50	6.51	6.50	6.49	1.4%
Mountain	5.66	6.12	6.27	6.23	6.27	6.35	6.50	6.63	6.81	7.02	7.16	7.25	7.31	7.34	7.34	7.34	7.34	7.36	7.38	7.42	7.44	7.47	7.52	7.55	1.3%
Pacific	5.99	6.57	6.79	6.79	6.82	6.88	7.00	7.07	7.18	7.33	7.44	7.52	7.59	7.63	7.65	7.67	7.69	7.72	7.75	7.78	7.83	7.86	7.90	7.94	1.2%
Average	6.18	6.43	6.53	6.49	6.48	6.50	6.56	6.62	6.72	6.86	6.97	7.05	7.11	7.17	7.20	7.22	7.24	7.28	7.31	7.34	7.36	7.37	7.37	7.36	0.8%
All Sectors 4/																									
New England	5.90	5.15	5.19	5.08	4.83	4.75	4.65	4.57	4.53	4.44	4.42	4.37	4.35	4.34	4.36	4.31	4.29	4.30	4.32	4.37	4.39	4.39	4.39	4.38	-1.3%
Middle Atlantic	6.13	5.69	5.76	5.59	5.48	5.36	5.28	5.16	5.06	5.03	4.95	4.90	4.87	4.82	4.79	4.74	4.70	4.65	4.63	4.65	4.63	4.63	4.62	4.62	-1.2%
East North Central	4.75	4.06	4.39	4.38	4.38	4.37	4.36	4.34	4.34	4.34	4.31	4.27	4.24	4.22	4.20	4.17	4.16	4.15	4.12	4.13	4.11	4.10	4.08	4.06	-0.7%
West North Central	4.62	4.19	4.44	4.38	4.38	4.39	4.39	4.37	4.36	4.36	4.34	4.31	4.28	4.27	4.24	4.23	4.22	4.21	4.21	4.23	4.23	4.23	4.23	4.22	-0.4%
South Atlantic	4.58	4.35	4.49	4.42	4.38	4.35	4.33	4.32	4.34	4.35	4.35	4.34	4.33	4.32	4.33	4.32	4.32	4.34	4.38	4.42	4.43	4.44	4.44	4.42	-0.2%
East South Central	4.20	3.69	3.89	3.77	3.75	3.76	3.69	3.66	3.64	3.66	3.65	3.65	3.62	3.61	3.60	3.59	3.59	3.61	3.62	3.65	3.66	3.67	3.68	3.67	-0.6%
West South Central	3.05	2.70	2.87	2.86	2.88	2.90	2.91	2.95	3.01	3.07	3.11	3.13	3.16	3.19	3.21	3.22	3.24	3.27	3.31	3.34	3.36	3.37	3.38	3.38	0.4%
Mountain	3.63	3.43	3.65	3.70	3.78	3.89	4.04	4.14	4.25	4.34	4.34	4.32	4.29	4.25	4.20	4.14	4.09	4.06	4.06	4.07	4.07	4.09	4.15	4.20	0.6%
Pacific	4.15	4.33	4.54	4.69	4.65	4.65	4.64	4.66	4.67	4.68	4.65	4.62	4.58	4.54	4.51	4.46	4.43	4.39	4.38	4.37	4.38	4.38	4.40	4.42	0.3%
Average	4.32	3.93	4.14	4.12	4.10	4.09	4.08	4.08	4.10	4.12	4.11	4.09	4.08	4.06	4.05	4.03	4.02	4.02	4.04	4.04	4.04	4.05	4.05	4.05	-0.3%

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

2/ Includes all electric power generators except cogenerators, which produce electricity and another form of 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.

Btu = British thermal unit.

N/A = Not applicable.

Notes: Totals may not equal sum of components due to independent rounding. Figures for 1997 may differ from published data due to internal conversion factors in the AEO99 National Energy Modeling System.

Sources: 1997 residential and commercial sector values: Energy Information Administration (EIA), Natural Gas Monthly, DOE/EIA-0130(98/6) (Washington, D.C., June 1998). 1997 industrial natural gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1994. Other 1997 values and projections: EIA, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 85. Natural Gas Pipeline Capacity By Census Division (Design Capacity in Billions of Cubic Feet per Year)																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Capacity Entering Region 1/																										
New England	986	1024	1299	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	1593	2.1%	
Mid Atlantic	4368	4385	4833	5712	5914	5914	5914	5914	5914	5914	5914	5914	5914	5914	5914	5927	5989	6033	6082	6123	6167	6188	6216	6245	1.6%	
East North Central	7967	8142	8519	9048	9531	9531	9531	9531	9531	9531	9531	9531	9531	9531	9531	9569	9756	9935	10145	10447	10656	10871	11048	11245	11415	1.6%
West North Central	5661	6038	6124	6423	6722	6722	6731	6749	6767	6787	6809	6831	6855	6879	6905	6931	6959	7057	7189	7298	7418	7525	7639	7734	1.4%	
South Atlantic	5089	5242	5472	5804	5926	5926	5964	6009	6052	6153	6234	6262	6289	6334	6349	6369	6407	6436	6452	6467	6467	6467	6467	6467	6467	1.0%
East South Central	8028	8235	8659	8790	8839	8839	8839	8839	8839	8839	8839	8839	8839	8839	8839	8839	8839	8839	8839	8839	8839	8839	8839	8839	8839	0.4%
West South Central	1850	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	0.1%
Mountain	2278	2366	2366	2366	2366	2366	2366	2366	2366	2366	2366	2366	2366	2366	2366	2366	2366	2366	2366	2366	2366	2366	2366	2366	2366	0.2%
Pacific	3596	3613	3627	3627	3627	3722	3828	3887	3955	4040	4114	4196	4278	4343	4397	4481	4527	4615	4670	4761	4819	4861	4874	4887	1.3%	
Total	39822	40940	42793	45257	46413	46508	46660	46783	46912	47118	47294	47428	47560	47695	47827	48156	48507	48978	49533	49996	50435	50781	51133	51440	1.1%	
United States (Pipeline Imports)																										
	4193	4411	4788	5452	5816	5816	5821	5834	5851	5879	5919	5964	6011	6058	6107	6156	6210	6269	6328	6380	6423	6466	6509	6552	2.0%	
Capacity Exiting Region 2/																										
New England	91	95	104	111	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	1.4%
Mid Atlantic	1846	1934	2048	2179	2179	2179	2179	2179	2179	2179	2179	2179	2179	2179	2179	2179	2179	2179	2179	2179	2179	2179	2179	2179	2179	0.7%
East North Central	2965	2977	3405	4313	4492	4492	4492	4492	4492	4492	4492	4492	4492	4492	4492	4505	4567	4611	4660	4701	4745	4766	4794	4823	2.1%	
West North Central	4251	4514	4806	5164	5648	5648	5648	5648	5648	5648	5648	5648	5648	5648	5686	5872	6051	6261	6563	6772	6988	7165	7361	7531	2.5%	
South Atlantic	3298	3306	3508	4002	4174	4174	4174	4174	4174	4174	4174	4174	4174	4174	4174	4174	4174	4174	4174	4174	4174	4174	4174	4174	4174	1.0%
East South Central	7101	7169	7319	7508	7508	7508	7546	7591	7634	7735	7816	7844	7871	7917	7931	7951	7989	8018	8035	8049	8049	8049	8049	8049	8049	0.5%
West South Central	12688	13000	13532	13639	13639	13639	13639	13639	13639	13639	13639	13639	13639	13639	13639	13639	13639	13639	13639	13639	13639	13639	13639	13639	13639	0.3%
Mountain	4311	4572	4634	4634	4634	4730	4840	4904	4973	5050	5106	5165	5224	5266	5297	5358	5377	5505	5633	5781	5917	6023	6107	6172	1.6%	
Pacific	225	237	309	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	432	2.9%	
Total	36776	37805	39666	41983	42832	42927	43074	43184	43296	43475	43611	43699	43785	43872	43955	44235	44533	44945	45440	45852	46247	46551	46859	47124	1.1%	
United States (Pipeline Exports)																										
	1147	1276	1661	2178	2235	2235	2235	2235	2235	2235	2235	2235	2235	2235	2235	2235	2235	2235	2235	2235	2235	2235	2235	2235	2.9%	

1/ Includes only the sum of capacity levels for the States bounding the respective regions and including pipeline import capacity.

2/ Includes only the sum of capacity levels for the States bounding the respective regions and including pipeline export capacity.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 86. Natural Gas Pipeline Capacity Utilization 1/ By Census Division (Fraction)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020
Utilization Entering Region																									
New England	0.78	0.70	0.56	0.47	0.53	0.55	0.58	0.60	0.61	0.65	0.66	0.68	0.69	0.70	0.71	0.72	0.73	0.74	0.74	0.74	0.75	0.75	0.76	0.76	-0.1%
Mid Atlantic	0.77	0.71	0.67	0.58	0.59	0.61	0.62	0.65	0.68	0.70	0.72	0.73	0.74	0.75	0.76	0.76	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.78	0.1%
East North Central	0.76	0.73	0.72	0.69	0.68	0.70	0.72	0.74	0.75	0.76	0.77	0.77	0.78	0.79	0.79	0.79	0.78	0.78	0.77	0.77	0.77	0.77	0.77	0.76	0.0%
West North Central	0.65	0.62	0.65	0.66	0.66	0.69	0.72	0.73	0.75	0.75	0.74	0.73	0.72	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.74	0.74	0.73	0.6%
South Atlantic	0.77	0.71	0.69	0.66	0.67	0.69	0.70	0.73	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.75	0.75	0.75	0.74	0.74	0.75	0.75	0.75	0.75	-0.1%
East South Central	0.78	0.74	0.70	0.69	0.70	0.71	0.73	0.75	0.77	0.78	0.79	0.80	0.81	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.83	0.3%
West South Central	0.25	0.30	0.35	0.39	0.38	0.37	0.36	0.34	0.32	0.30	0.28	0.27	0.25	0.25	0.24	0.24	0.24	0.25	0.25	0.26	0.27	0.27	0.27	0.26	0.1%
Mountain	0.17	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	0.18	0.18	0.3%
Pacific	0.64	0.62	0.65	0.61	0.64	0.64	0.66	0.66	0.66	0.66	0.66	0.67	0.67	0.67	0.66	0.66	0.65	0.65	0.65	0.65	0.65	0.65	0.64	0.65	0.0%
Average2/	0.68	0.65	0.64	0.61	0.62	0.64	0.66	0.67	0.69	0.69	0.70	0.70	0.71	0.71	0.71	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.2%
United States (Pipeline Import)	0.83	0.81	0.79	0.71	0.70	0.72	0.74	0.75	0.76	0.78	0.80	0.82	0.83	0.85	0.86	0.86	0.87	0.87	0.88	0.89	0.89	0.90	0.90	0.90	0.3%
Utilization Exiting Region																									
New England	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	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	-0.0%
Mid Atlantic	0.47	0.42	0.40	0.38	0.43	0.44	0.46	0.48	0.49	0.50	0.50	0.50	0.51	0.51	0.51	0.51	0.51	0.51	0.50	0.49	0.49	0.49	0.50	0.50	0.3%
East North Central	0.76	0.74	0.68	0.56	0.58	0.62	0.66	0.67	0.69	0.70	0.70	0.71	0.71	0.71	0.71	0.72	0.72	0.72	0.73	0.73	0.73	0.74	0.74	0.74	-0.1%
West North Central	0.71	0.70	0.70	0.69	0.67	0.70	0.74	0.76	0.79	0.81	0.82	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.9%
South Atlantic	0.71	0.66	0.64	0.57	0.57	0.59	0.61	0.65	0.68	0.68	0.68	0.68	0.68	0.69	0.68	0.68	0.68	0.68	0.69	0.69	0.69	0.69	0.69	0.68	-0.2%
East South Central	0.82	0.76	0.74	0.72	0.73	0.74	0.75	0.76	0.77	0.76	0.76	0.77	0.77	0.77	0.77	0.76	0.75	0.74	0.71	0.71	0.71	0.70	0.69	0.68	-0.8%
West South Central	0.64	0.60	0.57	0.57	0.58	0.58	0.60	0.61	0.63	0.64	0.65	0.65	0.65	0.66	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.66	0.66	0.65	0.1%
Mountain	0.42	0.42	0.47	0.48	0.50	0.51	0.54	0.53	0.53	0.52	0.51	0.50	0.49	0.48	0.48	0.49	0.49	0.50	0.51	0.52	0.53	0.54	0.54	0.54	1.1%
Pacific	0.57	0.54	0.41	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	0.30	-2.8%
Average2/	0.66	0.63	0.61	0.59	0.60	0.61	0.63	0.65	0.67	0.67	0.67	0.68	0.68	0.68	0.68	0.68	0.68	0.69	0.68	0.68	0.68	0.68	0.68	0.68	0.1%
United States (Pipeline Export)	0.59	0.55	0.43	0.33	0.37	0.41	0.46	0.46	0.47	0.47	0.47	0.47	0.47	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.50	0.50	0.51	0.51	-0.6%

1/ Capacity utilization is defined as the annual throughput volume divided by the design capacity (Table 86).

2/ Weighted average utilization. Weights used are the regional pipeline capacity levels provided in Table 84.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 87. Domestic Coal Supply, Disposition, and Prices																								1997-2020		
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Sources of Supply (million short tons)																										
Distribution From																										
Appalachia 1/	397.0	406.1	417.6	410.1	414.8	422.8	418.2	412.9	409.1	412.5	409.3	418.3	416.7	407.6	405.6	399.6	400.1	397.9	403.3	392.1	391.5	391.4	393.3	389.1	-0.1%	
Interior	167.8	170.1	167.5	169.0	156.4	137.9	138.4	137.3	129.2	133.6	125.4	126.5	135.7	126.9	134.2	134.3	138.9	150.0	145.7	157.4	160.5	162.2	157.7	163.7	-0.1%	
Northern Great Plains	347.8	369.4	387.5	406.5	431.0	443.0	451.4	457.1	462.9	473.6	485.1	488.2	481.5	498.2	512.5	522.4	531.4	536.6	547.6	555.9	567.5	572.5	588.1	592.4	2.3%	
Other West and Non-Contiguous	91.9	97.5	98.4	99.1	99.6	102.8	103.6	104.9	112.0	105.2	111.5	109.5	112.5	113.4	110.6	112.8	107.0	106.8	106.5	109.3	110.1	111.8	116.1	119.0	1.1%	
Total Distribution (excludes exports) 2/	1004.6	1043.1	1071.1	1084.6	1101.8	1106.5	1111.6	1112.1	1113.2	1124.8	1131.3	1142.5	1146.5	1146.1	1162.8	1169.0	1177.4	1191.2	1203.2	1214.7	1229.6	1237.9	1255.2	1264.3	1.0%	
Imports	7.5	7.1	7.1	7.5	7.5	7.5	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.6	7.7	7.7	7.7	7.7	7.7	7.8	7.8	7.8	7.8	7.9	0.2%	
Total Supply	1012.1	1050.2	1078.1	1092.1	1109.3	1114.0	1119.1	1119.7	1120.8	1132.4	1138.9	1150.1	1154.1	1153.8	1170.5	1176.7	1185.1	1199.0	1210.9	1222.4	1237.4	1245.7	1263.1	1272.1	1.0%	
Consumption (million short tons)																										
Residential/Commercial	6.0	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	0.4%
Industrial 3/	70.5	70.9	72.4	71.7	72.5	73.0	73.3	73.1	73.8	74.9	75.6	75.9	76.3	76.6	76.8	77.1	77.6	78.4	79.1	80.0	80.7	81.4	81.8	82.3	0.7%	
Coke Plants	29.4	28.6	29.5	28.9	28.4	27.9	27.3	26.7	26.2	25.7	25.2	24.6	24.1	23.7	23.2	22.8	22.4	22.0	21.6	21.2	20.9	20.5	20.2	19.8	-1.7%	
Electricity	924.0	934.2	966.7	985.4	1002.1	1006.2	1011.4	1013.4	1013.6	1025.8	1032.1	1043.0	1048.4	1049.6	1066.5	1070.4	1084.3	1091.5	1103.5	1114.4	1129.2	1138.8	1150.5	1166.0	1.0%	
Total Consumption	1029.9	1040.1	1074.9	1092.3	1109.4	1113.5	1118.4	1119.7	1120.0	1132.9	1139.3	1150.0	1155.4	1156.4	1173.1	1176.9	1190.9	1198.5	1210.8	1222.3	1237.4	1247.3	1259.1	1274.8	0.9%	
Discrepancy 4/	-17.8	10.1	3.2	-0.2	-0.2	0.5	0.7	-0.1	0.8	-0.5	-0.4	0.1	-1.2	-2.6	-2.6	-0.2	-5.8	0.5	0.1	0.1	-0.0	-1.6	4.0	-2.7	N/A	
Delivered Prices (1997 dollars per short ton)																										
Industrial 5/	32.41	30.46	30.14	29.86	29.55	29.28	29.02	28.78	28.53	28.29	28.08	27.79	27.64	27.40	27.14	26.86	26.67	26.42	26.15	25.93	25.70	25.51	25.26	24.96	-1.1%	
Coke Plants	47.36	46.41	45.89	45.37	45.01	44.56	44.33	43.92	43.61	43.20	42.84	42.62	42.30	41.98	41.63	41.31	40.82	40.66	40.16	39.89	39.59	39.34	39.06	38.74	-0.9%	
Electricity	26.16	25.25	24.88	24.47	24.20	23.99	23.75	23.43	23.21	22.85	22.59	22.19	21.93	21.66	21.25	20.93	20.60	20.29	20.03	19.75	19.50	19.30	19.03	18.77	-1.4%	
Average Price 6/	27.20	26.20	25.82	25.39	25.08	24.85	24.60	24.27	24.04	23.67	23.40	23.01	22.74	22.46	22.05	21.71	21.38	21.07	20.80	20.51	20.24	20.04	19.76	19.49	-1.4%	

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/ Excludes distribution less than 500 tons and to unknown destinations.

3/ Historical data is the sum of steam and coking coal consumption.

4/ Includes stock changes.

5/ Historical data is the average for steam and coking coal consumption.

6/ Weighted average excludes residential/commercial prices.

Appalachia: PA, OH, MD, WV, VA, TN, AL, Eastern KY.

Interior: Western KY, IL, IN, IA, MO, KS, OK, AR, TX, LA.

Northern Great Plains: ND, SD, MT, WY.

Other West: CO, UT, AZ, NM, WA, AK.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 88. Coal Production and Minemouth Prices by Region																									
Supply Regions 1/	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Production (million short tons per year)																									
Appalachia 2/	477.18	480.59	491.34	483.44	487.72	495.42	490.81	485.47	481.67	486.40	483.42	492.46	490.92	481.81	479.83	474.04	474.88	472.89	478.62	467.75	467.49	467.70	469.91	466.03	-0.1%
Interior	170.86	170.19	167.63	169.08	156.50	137.97	138.55	137.43	129.34	133.68	125.55	126.61	135.84	127.08	134.33	134.40	139.07	150.16	145.85	157.52	160.65	162.34	157.89	163.88	-0.2%
Northern Great Plains	352.46	372.12	390.29	409.42	434.10	446.20	454.68	460.39	466.29	476.99	488.59	491.73	485.11	501.85	516.19	526.11	535.16	540.45	551.55	559.92	571.54	576.64	592.31	596.66	2.3%
Other West and Non-Contiguous	98.82	102.31	104.33	106.30	108.35	113.55	114.41	115.81	123.07	116.36	122.76	120.88	124.06	125.01	122.32	124.61	118.78	118.61	118.41	121.14	122.00	123.72	128.03	131.16	1.2%
Appalachia 2/	477.18	480.59	491.34	483.44	487.72	495.42	490.81	485.47	481.67	486.40	483.42	492.46	490.92	481.81	479.83	474.04	474.88	472.89	478.62	467.75	467.49	467.70	469.91	466.03	-0.1%
Interior	170.86	170.19	167.63	169.08	156.50	137.97	138.55	137.43	129.34	133.68	125.55	126.61	135.84	127.08	134.33	134.40	139.07	150.16	145.85	157.52	160.65	162.34	157.89	163.88	-0.2%
West	451.28	474.43	494.63	515.71	542.45	559.74	569.09	576.20	589.36	593.36	611.35	612.62	609.17	626.86	638.51	650.72	653.94	659.06	669.96	681.06	693.54	700.35	720.34	727.83	2.1%
East of Mississippi River	588.77	591.11	599.24	592.85	586.56	582.50	578.70	572.41	560.82	570.03	559.19	569.59	577.54	563.47	570.18	564.46	569.95	579.06	580.46	581.23	584.09	585.98	583.72	585.83	-0.0%
West of Mississippi River	510.55	534.11	554.36	575.39	600.11	610.63	619.75	626.69	639.56	643.40	661.13	662.10	658.38	672.27	682.49	694.70	697.93	703.06	713.98	725.10	737.59	744.41	764.42	771.91	1.8%
U.S. Total	1099.3	1125.2	1153.6	1168.2	1186.7	1193.1	1198.5	1199.1	1200.4	1213.4	1220.3	1231.7	1235.9	1235.7	1252.7	1259.2	1267.9	1282.1	1294.4	1306.3	1321.7	1330.4	1348.1	1357.7	0.9%
Minemouth Prices (1997 dollars per short ton)																									
Appalachia	26.37	25.69	25.18	24.90	24.47	24.04	23.81	23.45	23.21	22.89	22.68	22.39	22.18	22.10	21.89	21.71	21.50	21.36	21.14	21.07	21.02	20.97	20.82	20.72	-1.0%
Interior	17.92	17.34	16.93	16.74	16.17	15.88	15.71	15.48	15.22	15.17	14.88	14.85	14.98	14.86	15.03	14.87	14.98	15.06	14.97	15.00	14.92	14.91	14.81	14.81	-0.8%
Northern Great Plains	6.63	6.49	6.30	6.15	5.99	5.91	5.79	5.70	5.59	5.53	5.47	5.41	5.39	5.35	5.32	5.32	5.31	5.27	5.25	5.26	5.25	5.29	5.31	5.31	-1.0%
Other West and Non-Contiguous	19.87	19.38	19.07	18.75	18.43	18.15	17.96	17.85	17.62	17.53	17.14	16.97	16.80	16.66	16.38	16.25	16.23	16.08	16.07	15.91	15.86	15.81	15.68	15.60	-1.0%
Appalachia	26.37	25.69	25.18	24.90	24.47	24.04	23.81	23.45	23.21	22.89	22.68	22.39	22.18	22.10	21.89	21.71	21.50	21.36	21.14	21.07	21.02	20.97	20.82	20.72	-1.0%
Interior	17.92	17.34	16.93	16.74	16.17	15.88	15.71	15.48	15.22	15.17	14.88	14.85	14.98	14.86	15.03	14.87	14.98	15.06	14.97	15.00	14.92	14.91	14.81	14.81	-0.8%
West	9.53	9.27	8.99	8.74	8.47	8.40	8.24	8.14	8.10	7.88	7.81	7.69	7.71	7.61	7.44	7.41	7.29	7.22	7.16	7.15	7.12	7.15	7.15	7.16	-1.2%
East of Mississippi River	25.27	24.60	24.14	23.82	23.46	23.15	22.89	22.54	22.36	22.03	21.88	21.62	21.36	21.29	21.05	20.86	20.67	20.46	20.31	20.14	20.05	19.99	19.89	19.75	-1.1%
West of Mississippi River	9.92	9.65	9.38	9.14	8.84	8.71	8.56	8.46	8.42	8.21	8.12	8.01	8.02	7.89	7.72	7.69	7.57	7.50	7.44	7.43	7.39	7.42	7.41	7.42	-1.3%
U.S. Total	18.14	17.51	17.04	16.59	16.06	15.76	15.48	15.18	14.93	14.70	14.43	14.30	14.26	14.00	13.79	13.59	13.46	13.35	13.21	13.08	12.98	12.96	12.81	12.74	-1.5%

1/ Coal Production Regions:

Appalachia: PA, OH, MD, WV, VA, TN, AL, Eastern KY.

Interior: Western KY, IL, IN, IA, MO, KS, OK, AR, TX, LA.

Northern Great Plains: ND, SD, MT, WY.

Other West: CO, UT, AZ, NM, WA, AK.

2 /Includes waste coal delivered to Independent Power Producers (IPP) that is not included in other Energy Information Administration coal production 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, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 89. Coal Production by Region and Type (million short tons per year)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Northern Appalachia	161.71	162.19	168.99	161.91	165.48	173.88	171.32	170.15	162.34	172.31	168.29	185.54	190.35	184.27	189.80	191.63	196.96	199.43	211.73	208.44	212.54	215.78	219.07	218.70	1.3%
Medium Sulfur (Premium) 1/	7.03	6.83	6.91	6.82	6.72	6.62	6.78	6.90	7.50	7.60	7.74	7.27	6.80	6.41	6.31	6.25	6.45	6.05	6.04	5.59	5.57	5.47	5.41	5.35	-1.2%
Low Sulfur (Bituminous) 2/	4.17	5.08	5.65	5.52	5.99	5.83	5.88	5.57	6.04	5.52	5.77	5.19	4.55	4.24	4.78	5.02	4.59	4.35	4.28	4.27	4.42	4.49	4.32	4.14	-0.0%
Medium Sulfur (Bituminous) 2/	66.81	72.82	76.45	69.95	72.00	76.88	76.30	73.91	76.11	81.40	82.05	93.10	97.99	94.99	102.71	106.03	111.44	113.83	125.88	122.82	127.77	129.32	133.96	131.04	3.0%
High Sulfur (Bituminous)	74.30	67.86	70.97	75.92	75.92	80.25	77.98	79.49	69.82	73.73	69.84	76.87	76.02	75.68	72.81	71.19	70.44	66.97	67.33	67.71	66.68	67.88	66.92	69.22	-0.3%
High Sulfur (Gob) 3/	9.40	9.60	9.00	3.70	4.84	4.31	4.38	4.29	2.88	4.07	2.89	3.10	5.00	2.94	3.18	3.15	4.04	8.22	8.19	8.05	8.10	8.61	8.47	8.94	-0.2%
Central Appalachia	287.70	289.76	293.64	293.35	293.83	293.15	291.60	288.05	292.34	287.99	289.70	282.53	276.94	274.77	268.64	262.03	258.44	254.26	247.92	240.61	236.33	233.42	233.17	228.96	-1.0%
Medium Sulfur (Premium) 1/	63.84	64.00	64.20	63.54	62.82	62.09	61.75	61.00	59.78	60.42	59.89	59.78	59.67	59.50	59.04	58.51	57.83	57.75	57.28	57.27	56.85	56.52	56.14	55.78	-0.6%
Low Sulfur (Bituminous)	66.09	67.55	68.79	67.10	69.89	69.60	70.02	68.62	66.48	67.70	66.30	65.78	65.05	65.00	64.14	62.46	60.51	58.80	58.48	56.11	54.97	52.32	48.44	46.03	-1.6%
Medium Sulfur (Bituminous)	157.77	158.21	160.65	162.72	161.12	161.45	159.84	158.43	166.09	159.87	163.51	156.97	152.22	150.27	145.47	141.05	140.10	137.71	132.16	127.22	124.51	124.58	128.58	127.15	-0.9%
Southern Appalachia	27.77	28.65	28.72	28.18	28.40	28.39	27.89	27.26	26.99	26.10	25.43	24.39	23.62	22.78	21.39	20.37	19.48	19.21	18.98	18.70	18.62	18.50	17.66	18.37	-1.8%
Low Sulfur (Premium) 1/	9.71	7.25	7.26	7.46	7.38	7.31	7.25	7.19	7.14	7.08	7.03	6.98	6.93	6.88	6.83	6.79	6.76	6.72	6.68	6.64	6.61	6.57	6.54	6.50	-1.7%
Low Sulfur (Bituminous)	8.57	11.05	11.00	10.46	11.21	11.26	11.01	10.57	10.30	9.72	9.53	9.08	8.72	8.28	7.66	7.20	6.80	6.98	7.11	7.45	7.83	8.04	7.32	8.30	-0.1%
Medium Sulfur (Bituminous)	9.49	10.36	10.47	10.26	9.81	9.82	9.63	9.50	9.55	9.29	8.87	8.33	7.97	7.62	6.89	6.38	5.92	5.51	5.19	4.60	4.18	3.89	3.81	3.57	-4.2%
Eastern Interior	111.59	110.52	107.90	109.40	98.84	87.08	87.89	86.94	79.14	83.63	75.77	77.13	86.63	81.67	90.35	90.42	95.08	106.17	101.83	113.48	116.60	118.28	113.82	119.80	0.3%
Medium Sulfur (Bituminous)	32.73	34.52	34.57	33.86	25.13	22.69	20.12	19.53	19.13	20.07	20.00	22.03	26.28	23.14	23.72	21.94	29.75	34.35	35.42	35.67	33.92	34.60	31.24	33.79	0.1%
High Sulfur (Bituminous)	78.86	75.99	73.33	75.54	73.72	64.39	67.77	67.41	60.01	63.57	55.77	55.10	60.35	58.53	66.63	68.48	65.33	71.82	66.42	77.82	82.68	83.68	82.57	86.01	0.4%
Western Interior High Sulfur (Bituminous)	2.75	1.74	1.75	1.73	1.73	1.72	1.70	1.69	1.68	1.67	1.65	1.63	1.62	1.60	1.57	1.55	1.53	1.51	1.50	1.48	1.47	1.46	1.46	1.45	-2.7%
Gulf	56.52	57.93	57.97	57.95	55.94	49.17	48.97	48.80	48.52	48.38	48.12	47.85	47.59	43.80	42.41	42.43	42.46	42.48	42.51	42.55	42.58	42.60	42.62	42.63	-1.2%
Medium Sulfur (Lignite)	31.32	32.99	33.03	33.00	27.33	26.73	26.68	26.73	26.69	26.76	26.77	26.78	24.98	25.00	25.02	25.04	25.07	25.09	25.12	25.16	25.18	25.20	25.22	25.24	-0.9%
High Sulfur (Lignite)	25.20	24.94	24.94	24.94	28.61	22.44	22.28	22.07	21.83	21.62	21.35	21.06	22.61	18.81	17.39	17.39	17.39	17.39	17.39	17.39	17.39	17.39	17.39	17.39	-1.6%
Dakota Med. Sulfur (Lignite) 4/	29.82	31.89	32.54	33.13	34.02	34.33	30.44	29.15	29.06	28.83	28.54	28.21	27.94	27.67	30.10	29.72	29.39	29.10	28.91	28.54	28.31	28.15	28.12	27.97	-0.3%
Powder/Green River	322.64	340.23	357.75	376.28	400.08	411.87	424.23	431.24	437.23	448.16	460.05	463.52	457.17	474.19	486.08	496.39	505.77	511.35	522.64	531.38	543.23	548.49	564.19	568.69	2.5%
Low Sulfur (Bituminous)	2.85	4.16	4.03	4.25	3.90	3.83	3.73	3.65	3.60	3.48	3.35	3.23	3.11	3.00	2.77	2.61	2.47	2.35	2.25	2.07	1.95	1.87	1.86	1.79	-2.0%
Low Sulfur (Sub-Bituminous)	273.88	287.97	305.90	321.47	344.72	351.94	364.91	372.25	378.44	390.21	402.98	407.25	401.64	416.76	429.47	440.98	451.35	457.71	474.99	478.45	489.40	493.34	504.50	507.07	2.7%
Medium Sulfur (Sub-Bituminous)	45.91	48.10	47.82	50.57	51.46	56.10	55.60	55.34	55.18	54.47	53.72	53.04	52.41	54.43	53.84	52.80	51.95	51.30	45.40	50.86	51.88	53.28	57.83	59.83	1.2%
Rocky Mountain	54.13	60.02	61.82	63.61	65.58	70.71	71.27	72.02	78.35	74.26	82.67	80.93	84.27	87.24	87.20	89.67	84.02	83.99	83.92	87.12	88.61	91.68	96.01	99.10	2.7%
Low Sulfur (Bituminous)	44.50	51.16	52.95	54.93	57.11	62.45	63.30	64.24	70.72	66.98	75.74	74.33	77.98	81.24	81.79	84.69	79.42	79.73	79.94	83.63	85.47	88.77	93.18	96.47	3.4%
Low Sulfur (Sub-Bituminous)	9.63	8.86	8.86	8.68	8.47	8.26	7.97	7.78	7.63	7.28	6.93	6.60	6.29	6.00	5.41	4.98	4.60	4.26	3.97	3.49	3.15	2.91	2.83	2.63	-5.5%
Arizona/New Mexico	38.75	36.94	37.12	37.21	37.20	37.20	37.49	38.09	38.98	36.30	36.22	36.23	36.20	34.30	31.93	31.93	31.93	31.94	31.94	31.70	31.21	29.96	29.97	29.97	-1.1%
Low Sulfur (Bituminous)	26.04	23.42	23.49	23.52	23.50	23.49	23.60	23.85	24.23	25.70	25.61	25.62	25.59	25.56	23.19	23.19	23.19	23.19	23.19	22.95	22.95	22.95	22.95	22.95	-0.5%
Medium Sulfur (Sub-Bituminous)	12.71	13.53	13.63	13.68	13.70	13.71	13.89	14.24	14.75	10.60	10.61	10.61	10.61	8.74	8.74	8.74	8.74	8.74	8.75	8.75	8.27	7.02	7.02	7.02	-2.5%
Washington/Alaska																									
Medium Sulfur (Sub-Bituminous)	5.94	5.35	5.39	5.48	5.56	5.64	5.65	5.70	5.74	5.81	3.87	3.73	3.60	3.47	3.20	3.00	2.83	2.68	2.55	2.33	2.17	2.08	2.05	2.10	-4.4%

Table 89. Coal Production by Region and Type (million short tons per year)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Subtotals: All Regions																									
Premium Metallurgical 1/	80.57	78.07	78.37	77.82	76.93	76.02	75.77	75.09	74.41	75.10	74.67	74.03	73.40	72.78	72.18	71.56	71.03	70.52	70.01	69.51	69.03	68.56	68.09	67.63	-0.8%
Bituminous	574.95	583.92	594.11	595.77	591.02	593.65	590.87	586.46	583.77	588.67	588.00	597.27	607.44	599.16	604.14	601.78	601.48	607.11	609.15	613.80	618.79	623.85	626.61	631.91	0.4%
Sub-Bituminous	348.07	363.81	381.60	399.88	423.91	435.65	448.02	455.30	461.74	468.37	478.10	481.22	474.55	489.40	500.65	510.51	519.48	524.68	535.66	543.87	554.86	558.62	574.24	578.65	2.2%
Lignite	95.74	99.42	99.51	94.77	94.80	87.81	83.78	82.25	80.46	81.28	79.55	79.16	80.53	74.41	75.69	75.30	75.89	79.81	79.62	79.15	78.99	79.35	79.20	79.55	-0.8%
Low Sulfur	445.45	466.50	487.94	503.38	532.17	543.96	557.67	563.72	574.58	583.66	603.24	604.06	599.86	616.96	626.05	637.93	639.69	644.09	660.90	665.06	676.73	681.25	691.93	695.88	2.0%
Medium Sulfur	463.37	478.58	485.65	483.02	469.68	476.06	466.66	460.42	469.57	465.12	465.57	469.85	470.47	461.23	465.05	459.47	469.47	472.11	472.70	468.81	468.61	470.11	479.40	478.84	0.1%
High Sulfur	190.51	180.14	180.01	181.84	184.81	173.11	174.12	174.96	156.22	164.66	151.50	157.77	165.59	157.56	161.58	161.75	158.72	165.92	160.84	172.46	176.32	179.02	176.81	183.02	-0.2%
U.S. Total	1099.3	1125.2	1153.6	1168.2	1186.7	1193.1	1198.4	1199.1	1200.4	1213.4	1220.3	1231.7	1235.9	1235.7	1252.7	1259.2	1267.9	1282.1	1294.4	1306.3	1321.7	1330.4	1348.1	1357.7	0.9%

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.

4/ Only includes lignite which is reported as medium sulfur.

Northern Appalachia: PA,MD,OH,N,WV (PA anthracite is included under low and medium sulfur bituminous).

Central Appalachia: S,WV,VA,E,KY

Southern Appalachia: AL,TN.

Eastern Interior: IL,IN,W,KY.

Western Interior (Bituminous Only): IA,MO,KS,OK,AR,TX.

Gulf (Lignite Only): TX,LA,AR.

Dakota: ND,SD,E,MT(Lignite Only).

Powder/Green River: WY,MT(Sub-Bituminous and Bituminous)

Rocky Mountains: CO,UT.

Sulfur Definitions:

Low Sulfur: 0 - 0.60 pounds of sulfur per million Btu.

Medium Sulfur: 0.61 - 1.67 pounds of sulfur per million Btu.

High Sulfur: Over 1.67 pounds of sulfur per million Btu.

Btu = British thermal unit.

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

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 90. Coal Prices by Region and Type (1997 Dollars per Short Ton)																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Northern Appalachia	24.98	23.97	23.47	23.31	22.85	22.33	22.01	21.58	21.29	20.97	20.70	20.42	20.09	20.04	19.89	19.75	19.46	19.26	19.08	19.00	18.97	18.92	18.79	18.65	-1.3%	
Medium Sulfur (Premium) 1/	39.70	38.42	37.66	36.91	36.36	35.82	35.32	34.91	34.61	34.27	33.95	33.84	33.63	33.42	33.22	33.01	32.63	32.62	32.24	32.24	31.96	31.96	31.99	31.67	-1.0%	
Low Sulfur (Bituminous) 2/	35.00	34.32	34.05	33.60	33.34	33.03	32.84	32.55	32.08	31.95	31.66	31.18	30.88	30.76	30.78	30.56	30.27	30.00	29.86	29.78	29.77	29.53	29.44	29.14	-0.8%	
Medium Sulfur (Bituminous) 2/	25.04	24.14	23.56	22.88	22.52	21.99	21.64	21.21	20.73	20.53	20.13	19.98	19.86	19.74	19.63	19.52	19.29	19.33	19.13	19.12	19.07	19.02	18.90	18.77	-1.2%	
High Sulfur (Bituminous)	24.51	23.20	22.60	22.38	21.95	21.45	21.09	20.66	20.05	19.92	19.51	19.44	19.28	19.14	18.90	18.67	18.47	18.42	18.26	18.12	18.11	18.11	17.96	17.91	-1.4%	
High Sulfur (Gob) 3/	12.78	12.38	12.01	10.13	10.17	9.83	9.54	9.28	8.58	8.79	8.27	8.29	8.91	8.25	8.30	8.24	8.41	9.54	9.64	9.73	9.73	9.87	9.84	9.94	-1.1%	
Central Appalachia	26.12	25.57	25.09	24.72	24.28	23.93	23.75	23.45	23.18	22.97	22.79	22.64	22.58	22.48	22.36	22.21	22.14	22.09	21.95	21.91	21.87	21.86	21.78	21.66	-0.8%	
Medium Sulfur (Premium) 1/	29.62	29.02	28.44	27.88	27.46	27.05	26.92	26.52	26.25	25.97	25.71	25.71	25.61	25.51	25.44	25.37	25.11	25.24	24.99	24.99	24.99	24.99	24.99	24.98	-0.7%	
Low Sulfur (Bituminous)	26.12	25.34	24.96	24.47	24.27	23.93	23.78	23.55	23.25	23.02	22.88	22.79	22.70	22.60	22.47	22.34	22.22	22.03	22.03	21.79	21.71	21.66	21.38	21.25	-0.9%	
Medium Sulfur (Bituminous)	24.70	24.27	23.80	23.58	23.05	22.73	22.52	22.22	22.05	21.80	21.68	21.40	21.34	21.23	21.05	20.85	20.89	20.79	20.60	20.58	20.52	20.52	20.52	20.35	-0.8%	
Southern Appalachia	37.12	36.66	36.29	35.94	35.81	35.65	35.47	35.26	35.05	34.75	34.55	34.44	34.29	34.12	33.83	33.74	33.61	33.54	33.54	33.43	33.63	33.66	33.45	33.66	-0.4%	
Low Sulfur (Premium) 1/	40.55	39.32	38.94	38.64	38.45	38.25	38.06	37.87	37.87	37.49	37.49	37.48	37.29	37.11	36.92	37.10	37.10	36.91	36.91	36.54	36.54	36.54	36.54	36.53	-0.5%	
Low Sulfur (Bituminous)	37.35	37.81	37.44	37.00	37.04	36.93	36.75	36.52	36.12	35.88	35.52	35.43	35.23	35.01	34.53	34.31	33.97	34.08	34.08	34.09	34.39	34.39	34.04	34.38	-0.4%	
Medium Sulfur (Bituminous)	33.40	33.58	33.24	32.90	32.42	32.24	32.06	31.89	31.79	31.48	31.17	30.81	30.64	30.47	30.00	29.53	29.22	28.76	28.46	27.87	27.58	27.30	27.03	26.74	-1.0%	
Eastern Interior	20.56	19.87	19.36	19.04	18.46	18.04	17.78	17.47	17.20	17.02	16.79	16.70	16.75	16.53	16.60	16.39	16.48	16.46	16.40	16.30	16.15	16.13	16.03	15.98	-1.1%	
Medium Sulfur (Bituminous)	21.85	20.65	20.25	19.81	19.26	18.95	18.83	18.64	18.40	18.28	18.08	17.98	18.22	18.06	17.96	17.83	18.00	17.93	17.86	17.86	17.69	17.58	17.54	17.42	-1.0%	
High Sulfur (Bituminous)	20.03	19.52	18.94	18.69	18.19	17.72	17.47	17.13	16.82	16.62	16.33	16.19	16.12	15.93	16.11	15.93	15.79	15.76	15.63	15.58	15.52	15.53	15.46	15.41	-1.1%	
Western Interior High Sulfur (Bituminous)	24.03	22.25	22.25	22.25	22.14	22.03	22.14	22.25	22.25	22.25	22.25	22.03	21.92	21.81	21.70	21.59	21.38	21.27	21.27	21.27	21.27	21.06	21.06	21.06	-0.6%	
Gulf	12.39	12.36	12.24	12.24	11.94	11.83	11.77	11.72	11.73	11.74	11.62	11.61	11.53	11.49	11.43	11.38	11.38	11.32	11.32	11.32	11.33	11.33	11.33	11.33	-0.4%	
Medium Sulfur (Lignite)	13.34	13.31	13.18	13.18	12.85	12.79	12.72	12.66	12.66	12.66	12.54	12.54	12.48	12.42	12.35	12.29	12.29	12.23	12.23	12.24	12.24	12.24	12.24	12.24	-0.4%	
High Sulfur (Lignite)	11.22	11.11	11.01	11.01	11.06	10.68	10.63	10.58	10.59	10.59	10.47	10.44	10.48	10.25	10.10	10.05	10.05	10.00	10.01	10.01	10.01	10.01	10.01	10.01	-0.5%	
Dakota Med. Sulfur (Lignite) 4/	8.09	8.03	8.04	7.96	7.92	7.88	7.77	7.67	7.60	7.60	7.58	7.53	7.52	7.48	7.52	7.41	7.41	7.38	7.38	7.30	7.31	7.31	7.31	7.24	-0.5%	
Powder/Green River	W	6.35	6.14	5.99	5.82	5.75	5.65	5.56	5.46	5.39	5.34	5.28	5.25	5.23	5.19	5.19	5.18	5.15	5.13	5.15	5.14	5.19	5.21	5.21	N/A	
Low Sulfur (Bituminous)	W	17.05	16.72	16.55	16.30	16.22	16.14	16.06	15.90	15.90	15.75	15.59	15.51	15.44	15.36	15.28	15.13	15.06	15.06	14.91	14.91	14.76	14.76	14.76	N/A	
Low Sulfur (Sub-Bituminous)	W	5.97	5.79	5.62	5.49	5.41	5.33	5.25	5.15	5.10	5.05	5.00	4.98	4.95	4.93	4.96	4.96	4.94	4.94	4.94	4.94	4.99	4.99	4.99	N/A	
Medium Sulfur (Sub-Bituminous)	W	7.71	7.48	7.41	7.30	7.19	7.09	6.99	6.92	6.85	6.85	6.81	6.78	6.74	6.71	6.68	6.68	6.65	6.65	6.72	6.72	6.72	6.79	6.79	N/A	
Rocky Mountain	18.04	17.67	17.19	16.72	16.32	16.06	15.70	15.48	15.29	15.00	14.96	14.67	14.59	14.50	14.41	14.32	14.18	14.03	14.02	13.92	13.92	13.97	13.88	13.82	-1.2%	
Low Sulfur (Bituminous)	17.96	17.61	17.08	16.57	16.16	15.92	15.53	15.30	15.13	14.82	14.82	14.53	14.45	14.38	14.31	14.24	14.10	13.95	13.96	13.87	13.88	13.95	13.86	13.80	-1.1%	
Low Sulfur (Sub-Bituminous)	18.40	18.03	17.85	17.67	17.41	17.15	17.07	16.98	16.81	16.65	16.48	16.32	16.24	16.16	15.92	15.68	15.53	15.45	15.30	15.00	14.85	14.70	14.70	14.55	-1.0%	
Arizona/New Mexico	W	21.34	21.34	21.33	21.22	21.12	21.21	21.31	21.29	21.59	21.43	21.43	21.32	21.48	21.10	21.05	21.05	20.94	20.94	20.93	20.94	21.01	21.01	21.01	N/A	
Low Sulfur (Bituminous)	W	22.87	22.87	22.87	22.76	22.65	22.76	22.87	22.87	23.10	22.87	22.87	22.75	22.87	22.53	22.41	22.41	22.30	22.30	22.30	22.30	22.30	22.30	22.30	22.30	N/A
Medium Sulfur (Sub-Bituminous)	W	18.69	18.69	18.69	18.59	18.50	18.59	18.69	18.69	17.95	17.95	17.95	17.86	17.41	17.33	17.41	17.41	17.33	17.33	17.33	17.15	16.81	16.81	16.81	N/A	
Washington/Alaska																										
Medium Sulfur (Sub-Bituminous)	W	25.01	25.01	24.76	24.64	24.76	24.89	24.76	24.51	24.51	23.40	23.40	23.29	23.17	23.05	22.94	22.71	22.60	22.60	22.37	22.15	22.15	22.15	22.20	N/A	

Table 90. Coal Prices by Region and Type (1997 Dollars per Short Ton)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Average by Type: All Regions																									
Premium Metallurgical 1/	31.82	30.80	30.23	29.70	29.30	28.89	28.74	28.38	28.21	27.90	27.68	27.62	27.46	27.30	27.21	27.15	26.94	26.99	26.75	26.68	26.66	26.65	26.65	26.62	-0.8%
Bituminous	23.85	23.23	22.78	22.37	22.02	21.68	21.40	21.07	20.79	20.56	20.31	20.08	19.87	19.73	19.50	19.28	19.19	19.05	18.94	18.75	18.66	18.61	18.47	18.33	-1.1%
Sub-Bituminous	7.49	7.25	7.02	6.82	6.62	6.52	6.41	6.33	6.22	6.01	5.85	5.78	5.75	5.64	5.57	5.56	5.53	5.48	5.44	5.44	5.41	5.42	5.43	5.43	-1.4%
Lignite	11.09	10.98	10.85	10.66	10.40	10.18	10.20	10.16	10.13	10.12	10.05	10.03	9.97	9.87	9.74	9.68	9.68	9.70	9.72	9.71	9.72	9.74	9.74	9.73	-0.6%
Low Sulfur	13.24	12.81	12.39	11.88	11.56	11.37	11.12	10.87	10.68	10.45	10.30	10.11	10.07	9.90	9.65	9.53	9.30	9.16	9.04	8.97	8.91	8.90	8.73	8.71	-1.8%
Medium Sulfur	21.97	21.38	21.01	20.57	20.22	19.81	19.73	19.48	19.34	19.16	18.99	18.82	18.75	18.57	18.38	18.24	18.18	18.15	18.13	17.93	17.84	17.77	17.66	17.49	-1.0%
High Sulfur	20.31	19.39	18.97	19.04	18.46	18.38	18.06	17.76	17.30	17.17	16.88	16.91	16.64	16.71	16.62	16.41	16.22	15.98	15.87	15.79	15.74	15.74	15.65	15.62	-1.1%
U.S. Average	18.14	17.51	17.04	16.59	16.06	15.76	15.48	15.18	14.93	14.70	14.43	14.30	14.26	14.00	13.79	13.59	13.46	13.35	13.21	13.08	12.98	12.96	12.81	12.74	-1.5%

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.

4/ Only includes lignite which is reported as medium sulfur.

Northern Appalachia: PA,MD,OH,N,WV (PA. anthracite is included under low and medium sulfur bituminous).

Central Appalachia: S,WV,VA,E,KY

Southern Appalachia: AL,TN.

Eastern Interior: IL,IN,W,KY.

Western Interior (Bituminous Only): IA,MO,KS,OK,AR,TX.

Gulf (Lignite Only): TX,LA,AR.

Dakota: ND,SD,E,MT(Lignite Only).

Powder/Green River: WY,MT(Sub-Bituminous and Bituminous)

Rocky Mountains: CO,UT.

Sulfur Definitions:

Low Sulfur: 0 - 0.60 pounds of sulfur per million Btu.

Medium Sulfur: 0.61 - 1.67 pounds of sulfur per million Btu.

High Sulfur: Over 1.67 pounds of sulfur per million Btu.

Btu = British thermal unit.

W = Withheld.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 91. World Steam Coal Flows By Importing Regions and Exporting Countries 1,2/ (Million Short Tons)																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020	
Steam Coal Exports to Europe 3/																										
Australia	8.6	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.9	4.9	5.0	5.1	5.1	5.2	5.2	5.2	5.3	5.3	5.4	5.4	5.5	5.6	5.6	5.7	-1.8%	
United States	13.2	13.8	13.7	15.2	15.9	16.0	16.7	15.8	16.3	16.3	16.3	17.4	17.4	17.0	17.4	16.6	17.9	18.2	19.5	18.6	18.9	20.0	19.2	20.4	1.9%	
South Africa	38.3	45.5	46.1	47.9	49.1	50.7	50.4	50.7	56.8	56.6	56.3	56.1	55.7	55.3	54.9	53.6	51.9	50.2	47.6	47.0	46.3	45.7	45.1	44.5	0.7%	
Former U.S.S.R.	5.4	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.0	7.9	7.8	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	1.6%	
Poland	17.2	11.7	11.4	11.0	10.5	9.9	9.4	8.8	8.3	7.8	7.4	6.9	6.5	6.1	6.0	5.9	5.9	5.8	5.7	5.7	5.6	5.6	5.6	5.5	-4.8%	
Canada	1.4	5.0	5.1	5.1	5.2	5.2	5.2	5.2	3.1	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.6	4.1%	
China	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
South America	27.0	27.3	28.4	29.6	30.3	31.0	31.7	32.4	33.1	33.6	34.1	34.6	35.1	35.7	36.4	37.0	38.1	39.1	39.9	40.3	40.7	41.1	41.5	41.9	1.9%	
Indonesia 4/	6.5	10.4	9.0	6.2	5.8	5.0	6.8	8.1	5.6	5.4	5.3	4.0	4.0	4.2	4.3	4.4	4.5	4.6	4.7	4.8	5.0	5.1	5.2	5.4	-0.8%	
Total	119.0	127.4	127.2	128.4	130.1	131.1	133.4	134.2	136.3	136.0	135.7	135.2	134.9	134.3	135.2	133.8	134.6	134.3	133.9	133.0	133.2	134.3	133.4	134.6	0.5%	
Steam Coal Exports to Asia																										
Australia	71.2	77.2	76.6	75.8	78.3	80.3	84.9	88.9	89.3	93.8	98.4	101.8	104.5	106.9	107.9	109.0	109.8	110.5	114.7	116.5	118.2	119.9	121.6	123.2	2.4%	
United States	6.1	5.7	7.2	8.1	9.8	11.8	12.0	12.7	12.9	13.2	13.4	12.5	12.6	12.5	13.5	13.6	13.7	13.7	13.8	13.9	15.0	14.2	15.3	14.5	3.8%	
South Africa	17.6	14.1	15.3	15.3	14.0	12.4	12.7	12.9	13.5	14.5	15.4	16.4	17.5	18.6	19.0	20.2	21.9	23.6	26.1	26.7	27.3	27.9	28.5	29.2	2.2%	
Former U.S.S.R.	2.4	6.6	6.1	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.7	3.6	3.5	3.4	3.3	1.4%	
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	4.4	1.3	1.4	1.5	1.6	1.6	1.7	1.8	1.5	1.1	0.7	1.4	2.8	4.5	4.4	4.4	4.4	4.3	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
China	26.5	30.8	31.4	32.1	32.6	33.2	33.7	34.3	34.8	35.3	35.7	36.2	36.6	37.0	37.5	37.9	38.4	38.8	39.2	39.9	40.6	41.2	41.9	42.6	2.1%	
South America	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Indonesia 4/	29.5	36.6	39.7	44.0	45.6	47.7	47.1	47.2	50.9	51.6	52.3	54.1	54.8	55.1	56.0	56.9	57.8	58.7	59.6	60.5	61.4	62.2	63.1	64.0	3.4%	
Total	157.7	172.3	177.7	182.3	187.4	192.4	197.3	202.9	208.0	214.4	220.7	227.0	233.3	239.0	242.5	246.2	249.9	253.6	257.4	261.3	266.0	269.0	273.8	276.7	2.5%	
Steam Coal Exports to America 5/																										
Australia	1.3	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	0.7	0.3	0.3	0.3	1.1	1.1	1.1	1.1	1.1	1.1	-0.7%	
United States	12.2	11.8	11.2	10.0	9.3	9.2	8.3	8.7	8.3	8.4	8.5	8.6	8.7	9.7	8.6	9.8	8.9	9.1	8.2	9.5	8.7	9.0	9.2	9.5	-1.1%	
South Africa	7.4	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	-4.9%	
Former U.S.S.R.	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.8	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	0.0	0.0	0.0	0.0	0.0	N/A	
Canada	-0.3	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	0.1	0.1	0.1	N/A	
China	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	0.0	0.0	0.0	0.0	N/A	
South America	3.7	9.2	9.4	9.6	9.8	10.0	10.3	10.5	10.7	11.0	11.3	11.6	11.9	12.2	12.6	13.1	13.3	13.4	13.8	14.2	14.6	14.9	15.3	15.7	6.5%	
Indonesia 4/	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	42.4	24.0	23.6	22.5	22.0	22.2	21.5	22.2	22.0	22.4	22.9	23.4	23.8	25.1	24.1	25.5	24.7	25.0	25.4	27.1	26.7	27.4	28.1	28.7	-1.7%	
Total Steam Coal Exports																										
Australia	81.1	82.7	82.2	81.4	83.9	86.0	90.7	94.7	95.2	99.8	104.4	107.9	110.6	113.1	113.8	114.5	115.3	116.1	121.2	123.0	124.8	126.5	128.3	130.0	2.1%	
United States	31.4	31.3	32.1	33.3	34.9	37.1	36.9	37.2	37.5	37.8	38.1	38.5	38.8	39.1	39.5	40.0	40.5	41.0	41.5	42.1	42.6	43.1	43.7	44.4	1.5%	
South Africa	63.3	61.5	63.3	65.1	65.0	65.0	65.5	72.3	73.0	73.8	74.5	75.2	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	0.8%
Former U.S.S.R.	11.5	15.7	15.0	14.3	14.1	13.9	13.7	13.4	13.2	13.0	12.8	12.6	12.3	12.1	12.0	11.9	11.8	11.7	11.6	11.5	11.4	11.2	11.1	11.0	-0.2%	
Poland	17.9	11.7	11.4	11.0	10.5	9.9	9.4	8.8	8.3	7.8	7.4	6.9	6.5	6.1	6.0	5.9	5.9	5.8	5.7	5.7	5.6	5.6	5.5	5.5	-5.0%	
Canada	5.5	6.5	6.6	6.7	6.8	6.9	7.1	7.2	4.8	4.4	4.0	4.7	6.2	7.8	7.8	7.8	7.8	7.8	3.5	3.6	3.6	3.6	3.6	3.7	-1.7%	
China	28.9	30.8	31.4	32.1	32.6	33.2	33.7	34.3	34.8	35.3	35.7	36.2	36.6	37.0	37.5	37.9	38.4	38.8	39.2	39.9	40.6	41.2	41.9	42.6	1.7%	
South America	30.8	36.5	37.8	39.1	40.1	41.0	41.9	42.8	43.8	44.6	45.4	46.2	47.0	47.8	49.0	50.2	51.3	52.5	53.7	54.5	55.2	56.0	56.8	57.5	2.8%	
Indonesia 4/	48.8	47.1	48.6	50.2	51.5	52.7	54.0	55.2	56.5	57.1	57.6	58.2	58.7	59.3	60.3	61.3	62.3	63.3	64.3	65.3	66.3	67.3	68.4	69.4	1.5%	
Total	319.1	323.7	328.4	333.3	339.5	345.8	352.3	359.3	366.4	372.8	379.2	385.6	392.0	398.4	401.8	405.5	409.2	412.9	416.7	421.4	426.0	430.6	435.3	440.0	1.4%	

Table 91. World Steam Coal Flows By Importing Regions and Exporting Countries Notes

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

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 North Africa.

4/ In 1997, steam coal exports from Indonesia include an additional 6.8 million short tons of exports from other countries not included in the forecast period.

5/ In 1997, coal exports to America includes a balancing item term used by the International Energy Agency to reconcile discrepancies between reported exports and imports. For 1997, the balancing item for steam coal amounted to 17.1 million short tons. The negative quantities are attributable to the balancing item.

Sources: 1997 data: International Energy Agency, Coal Information 1997, (Paris, France, July 1997); Financial Times Energy Press, International Coal Report, Coal Year 1998 (London, England, May 1998); and Energy Information Administration, Quarterly Coal Report, October-December 1997, DOE/EIA-0121(97/4Q) (Washington, DC, May 1998). Projections: AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 92. World Metallurgical Coal Flows By Importing and Exporting Countries 1,2/ (Million Short Tons)																										
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020	
Metallurgical Coal Exports to Europe 3/																										
Australia	15.8	18.9	19.2	20.0	20.5	21.1	20.9	21.2	21.5	20.5	20.8	21.3	21.8	22.3	22.6	23.0	23.3	23.6	24.0	23.4	22.9	22.3	21.7	21.2	1.3%	
United States	31.3	26.9	27.1	27.2	27.2	27.2	27.1	27.1	27.1	27.0	26.8	26.7	26.6	26.5	26.4	26.3	26.1	26.0	25.9	25.8	25.6	25.4	25.3	25.1	-1.0%	
South Africa	0.3	1.4	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.0	0.6	0.2	0.0	0.0	0.0	0.2	0.6	0.8	0.5	2.5%	
Former U.S.S.R.	4.0	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	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	-8.3%	
Poland	3.4	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.4	3.4	0.0%	
Canada	6.2	6.3	6.3	5.6	5.1	4.5	4.7	4.5	4.2	5.2	4.8	4.3	3.7	3.1	2.8	2.8	2.8	2.5	2.0	2.4	2.7	2.6	2.8	3.4	-2.5%	
China	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	0.0	0.0	0.0	N/A	
South America	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	0.0	0.0	0.0	0.0	0.0	N/A	
Indonesia 4/	2.1	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	0.0	0.0	0.0	N/A	
Total	63.9	58.3	58.6	58.9	58.9	58.8	58.7	58.7	58.6	58.3	58.1	57.8	57.5	57.3	57.0	56.8	56.5	56.3	56.0	55.7	55.3	55.0	54.6	54.2	-0.7%	
Metallurgical Coal Exports to Asia 5/																										
Australia	67.4	71.0	71.4	70.8	70.8	70.7	70.7	70.6	70.6	71.1	71.6	72.1	72.6	73.1	73.1	73.1	73.1	73.1	73.2	73.1	73.1	73.1	73.1	73.0	73.0	0.4%
United States	7.8	9.2	8.4	8.0	7.6	7.2	7.5	7.4	7.2	8.4	8.4	8.2	8.1	7.9	7.6	7.4	7.1	6.8	6.6	6.4	6.2	6.0	5.8	5.6	-1.5%	
South Africa	3.0	4.2	4.1	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	4.0	4.4	4.8	4.9	4.9	4.8	4.6	4.2	3.9	4.1	1.4%	
Former U.S.S.R.	3.2	2.3	2.3	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	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	-1.6%	
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	0.0	0.0	0.0	N/A	
Canada	23.4	24.1	23.7	23.8	24.3	24.8	24.6	24.8	25.1	24.1	24.5	25.0	25.6	26.2	26.4	26.4	26.4	26.6	27.0	27.3	27.8	28.4	29.0	29.0	0.9%	
China	6.8	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	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	-3.1%	
South America	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Indonesia 4/	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Total	115.9	114.2	113.2	112.1	112.2	112.3	112.3	112.3	112.4	113.1	113.9	114.8	115.7	116.6	116.7	116.8	116.9	117.0	117.1	117.1	117.2	117.2	117.2	117.2	0.0%	
Metallurgical Coal Exports to America 6/																										
Australia	9.1	5.7	5.7	5.8	5.8	5.9	5.9	5.9	6.0	6.1	6.2	6.4	6.5	6.6	6.8	7.0	7.1	7.3	7.5	7.6	7.8	8.0	8.1	8.3	-0.4%	
United States	13.0	14.7	14.9	15.1	15.2	15.2	15.3	15.3	15.3	15.5	15.6	15.8	15.9	16.1	16.4	16.5	16.8	17.0	17.3	17.5	17.7	18.0	18.2	18.4	1.5%	
South Africa	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	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Former U.S.S.R.	-0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	1.8	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	0.0	0.0	0.0	0.0	0.0	N/A	
Canada	5.2	2.4	2.9	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	-1.8%	
China	-2.1	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	0.0	0.0	0.0	N/A	
South America	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Indonesia 4/	0.3	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	0.0	0.0	0.0	0.0	0.0	N/A	
Total	30.6	22.7	23.5	24.3	24.4	24.5	24.6	24.6	24.7	25.0	25.3	25.6	25.9	26.1	26.6	26.9	27.3	27.7	28.2	28.6	29.0	29.4	29.8	30.2	-0.1%	
Total Metallurgical Coal Exports																										
Australia	92.3	95.7	96.3	96.6	97.1	97.7	97.5	97.8	98.1	97.7	98.6	99.7	100.8	102.0	102.5	103.0	103.6	104.1	104.6	104.2	103.8	103.4	102.9	102.5	0.5%	
United States	52.2	50.8	50.4	50.3	49.9	49.6	49.9	49.7	49.6	50.8	50.9	50.7	50.6	50.5	50.4	50.1	50.0	49.9	49.7	49.6	49.5	49.4	49.2	49.1	-0.3%	
South Africa	6.3	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.3	5.2	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.9	4.9	4.8	4.8	4.7	4.7	4.6	-1.3%	
Former U.S.S.R.	6.3	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	-3.5%	
Poland	5.2	3.9	3.9	3.9	3.8	3.8	3.8	3.8	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	-1.8%	
Canada	34.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.6	32.6	32.5	33.2	33.8	34.5	35.2	35.8	0.1%	
China	4.8	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	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	-1.6%	
South America	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A	
Indonesia 4/	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	210.4	195.2	195.3	195.4	195.5	195.6	195.6	195.6	195.7	196.4	197.3	198.2	199.1	200.0	200.3	200.5	200.8	201.0	201.3	201.4	201.4	201.5	201.5	201.6	-0.2%	

Table 92. World Metallurgical Coal Flows By Importing and Exporting Countries Notes

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

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 North Africa.

4/ In 1997, metallurgical coal exports from Indonesia include an additional 3.6 million short tons of exports from other countries not included in the forecast period.

5/ For 1997, includes 9.6 million short tons of coal for pulverized coal injection at blast furnaces shipped to Japanese steelmakers.

6/ In 1997, coal exports to America includes a balancing item term used by the International Energy Agency to reconcile discrepancies between reported exports and imports. For 1997, the balancing item for metallurgical coal amounted to 5.8 million short tons. The negative quantities are attributable to the balancing item.

Sources: 1997 data: International Energy Agency, Coal Information 1997, (Paris, France, July 1998); Financial Times Energy Press, International Coal Report, Coal Year 1998 (London, England, May 1998); and Energy Information Administration, Quarterly Coal Report, October-December 1997, DOE/EIA-0121(97/4Q) (Washington, DC, May 1998). Projections: AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 93. World Total Coal Flows By Importing and Exporting Countries 1,2/ (Million Short Tons)																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Total Coal Exports to Europe 3/																									
Australia	24.4	23.5	23.7	24.6	25.2	25.8	25.7	26.1	26.4	25.5	25.8	26.3	26.9	27.4	27.8	28.2	28.6	29.0	29.3	28.9	28.4	27.9	27.4	26.9	0.4%
United States	44.5	40.7	40.8	42.4	43.0	43.2	43.8	42.9	43.3	43.2	43.1	44.1	44.0	43.5	43.7	42.8	44.0	44.2	45.4	44.4	44.5	45.5	44.5	45.5	0.1%
South Africa	38.6	47.0	47.5	49.4	50.6	52.1	51.8	52.0	58.2	57.9	57.6	57.3	56.9	56.5	55.9	54.2	52.1	50.2	47.6	47.0	46.5	46.3	45.9	45.0	0.7%
Former U.S.S.R.	9.4	9.9	9.8	9.6	9.5	9.4	9.2	9.1	8.9	8.8	8.7	8.5	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	-0.6%
Poland	20.6	15.6	15.2	14.9	14.3	13.7	13.2	12.6	12.0	11.6	11.1	10.6	10.2	9.7	9.6	9.5	9.4	9.3	9.3	9.2	9.1	9.1	9.0	8.9	-3.6%
Canada	7.6	11.4	11.3	10.7	10.2	9.7	10.0	9.7	7.4	8.3	8.0	7.5	6.9	6.4	6.1	6.1	6.1	5.9	5.5	5.9	6.1	6.1	6.3	7.0	-0.4%
China	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
South America	27.8	27.3	28.4	29.6	30.3	31.0	31.7	32.4	33.1	33.6	34.1	34.6	35.1	35.7	36.4	37.0	38.1	39.1	39.9	40.3	40.7	41.1	41.5	41.9	1.8%
Indonesia 4/	8.6	10.4	9.0	6.2	5.8	5.0	6.8	8.1	5.6	5.4	5.3	4.0	4.0	4.2	4.3	4.4	4.5	4.6	4.7	4.8	5.0	5.1	5.2	5.4	-2.0%
Total	182.9	185.7	185.8	187.4	189.0	190.0	192.2	192.9	194.9	194.3	193.7	193.0	192.4	191.6	192.2	190.6	191.1	190.6	189.9	188.6	188.5	189.2	188.0	188.8	0.1%
Total Coal Exports to Asia																									
Australia	138.6	148.2	148.0	146.6	149.1	151.1	155.6	159.6	159.9	164.9	170.0	173.9	177.1	180.0	181.0	182.1	182.9	183.6	187.9	189.6	191.3	193.0	194.6	196.2	1.5%
United States	13.9	14.9	15.7	16.1	17.4	19.1	19.5	20.1	20.2	21.5	21.8	20.7	20.7	20.4	21.1	21.0	20.8	20.6	20.4	20.3	21.1	20.1	21.0	20.1	1.6%
South Africa	20.6	18.3	19.4	19.3	18.0	16.4	16.6	16.9	17.5	18.4	19.4	20.3	21.4	22.5	23.0	24.6	26.7	28.5	31.0	31.5	31.9	32.1	32.4	33.3	2.1%
Former U.S.S.R.	5.6	8.9	8.3	7.7	7.6	7.5	7.4	7.3	7.2	7.1	6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.8	5.7	5.6	5.5	-0.1%
Poland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	27.8	25.4	25.1	25.3	25.9	26.5	26.3	26.7	26.6	25.2	25.2	26.4	28.4	30.7	30.9	30.8	30.8	31.0	27.0	27.3	27.8	28.4	29.0	29.0	0.2%
China	33.2	34.1	34.7	35.4	35.9	36.5	37.0	37.6	38.1	38.6	39.0	39.5	39.9	40.3	40.8	41.2	41.7	42.1	42.6	43.2	43.9	44.5	45.2	45.9	1.4%
South America	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Indonesia 4/	33.7	36.6	39.7	44.0	45.6	47.7	47.1	47.2	50.9	51.6	52.3	54.1	54.8	55.1	56.0	56.9	57.8	58.7	59.6	60.5	61.4	62.2	63.1	64.0	2.8%
Total	273.7	286.5	290.9	294.5	299.6	304.7	309.6	315.2	320.4	327.4	334.6	341.8	349.0	355.6	359.2	363.0	366.8	370.7	374.6	378.4	383.2	386.1	391.0	393.9	1.6%
Total Coal Exports to America 5/																									
Australia	10.5	6.6	6.7	6.7	6.8	6.8	6.9	6.9	6.9	7.1	7.2	7.4	7.5	7.6	7.5	7.2	7.4	7.6	8.6	8.7	8.9	9.1	9.2	9.4	-0.5%
United States	25.2	26.5	26.1	25.1	24.4	24.4	23.5	24.0	23.6	23.8	24.1	24.4	24.7	25.8	25.0	26.4	25.7	26.1	25.5	27.0	26.4	26.9	27.4	27.9	0.4%
South Africa	10.4	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	-6.3%
Former U.S.S.R.	2.8	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	0.0	0.0	0.0	0.0	0.0	N/A
Poland	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Canada	4.9	2.6	3.0	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	-1.4%
China	-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	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	5.0	9.2	9.4	9.6	9.8	10.0	10.3	10.5	10.7	11.0	11.3	11.6	11.9	12.2	12.6	13.1	13.3	13.4	13.8	14.2	14.6	14.9	15.3	15.7	5.1%
Indonesia 4/	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	73.0	46.8	47.1	46.8	46.4	46.7	46.1	46.8	46.8	47.4	48.1	48.9	49.6	51.2	50.7	52.4	52.0	52.8	53.6	55.7	55.7	56.8	57.8	58.9	-0.9%
Total Coal Exports																									
Australia	173.4	178.3	178.4	178.0	181.1	183.7	188.2	192.6	193.3	197.5	203.0	207.6	211.4	215.1	216.3	217.6	218.9	220.1	225.8	227.2	228.5	229.9	231.2	232.5	1.3%
United States	83.5	82.1	82.5	83.6	84.9	86.7	86.8	87.0	87.1	88.6	89.0	89.2	89.4	89.6	89.9	90.1	90.5	90.9	91.3	91.7	92.1	92.5	92.9	93.5	0.5%
South Africa	69.6	67.1	68.9	70.6	70.5	70.4	70.4	70.8	77.6	78.3	79.0	79.7	80.3	81.0	81.0	80.9	80.9	80.8	80.8	80.7	80.7	80.6	80.6	80.6	0.6%
Former U.S.S.R.	17.8	18.8	18.1	17.4	17.1	16.9	16.6	16.3	16.1	15.9	15.6	15.4	15.1	14.9	14.8	14.7	14.6	14.4	14.3	14.2	14.1	14.0	13.9	13.8	-1.1%
Poland	23.1	15.6	15.2	14.9	14.3	13.7	13.2	12.6	12.0	11.6	11.1	10.6	10.2	9.7	9.6	9.5	9.4	9.3	9.3	9.2	9.1	9.1	9.0	8.9	-4.0%
Canada	40.2	39.3	39.4	39.6	39.6	39.7	39.8	39.9	37.5	37.1	36.7	37.4	38.9	40.6	40.5	40.5	40.4	40.4	36.0	36.7	37.4	38.1	38.8	39.5	-0.1%
China	33.7	34.1	34.7	35.4	35.9	36.5	37.0	37.6	38.1	38.6	39.0	39.5	39.9	40.3	40.8	41.2	41.7	42.1	42.6	43.2	43.9	44.5	45.2	45.9	1.3%
South America	33.0	36.5	37.8	39.1	40.1	41.0	41.9	42.8	43.8	44.6	45.4	46.2	47.0	47.8	49.0	50.2	51.3	52.5	53.7	54.5	55.2	56.0	56.8	57.5	2.4%
Indonesia 4/	55.3	47.1	48.6	50.2	51.5	52.7	54.0	55.2	56.5	57.1	57.6	58.2	58.7	59.3	60.3	61.3	62.3	63.3	64.3	65.3	66.3	67.3	68.4	69.4	1.0%
Total	529.6	518.9	523.8	528.7	535.0	541.4	547.9	554.9	562.0	569.2	576.4	583.8	591.1	598.4	602.1	606.0	610.0	614.0	618.1	622.7	627.4	632.1	636.8	641.5	0.8%

Table 93. World Total Coal Flows By Importing and Exporting Countries Notes

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

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 North Africa.

4/ In 1997, exports from Indonesia include an additional 10.4 million short tons of exports from other countries not included in the forecast period.

5/ In 1997, coal exports to America includes a balancing item term used by the International Energy Agency to reconcile discrepancies between reported exports and imports. For 1997, the balancing item amounted to 22.9 million short tons. The negative quantities are attributable to the balancing item.

Sources: 1997 data: International Energy Agency, Coal Information 1997, (Paris, France, July 1998); Financial Times Energy Press, International Coal Report, Coal Year 1998 (London, England, May 1998); and Energy Information Administration, Quarterly Coal Report, October-December 1997, DOE/EIA-0121(97/4Q) (Washington, DC, May 1998). Projections: AEO99 National Energy Modeling System run AEO99B.D100198A.

Table 94. Indicators of Macroeconomic Activity																									
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997- 2020
Real Output, National (billion 1987 dollars)																									
Total Industrial	3982.2	4104.2	4101.3	4153.5	4244.1	4328.8	4415.3	4510.1	4639.1	4765.8	4887.2	4998.8	5123.1	5237.0	5308.8	5393.5	5472.6	5577.6	5693.4	5758.8	5868.5	5967.5	6054.7	6131.0	1.9%
Total Manufacturing	3170.0	3275.6	3265.0	3304.7	3383.6	3453.3	3525.3	3605.9	3716.8	3824.2	3926.0	4020.3	4127.8	4223.8	4281.9	4354.1	4422.0	4512.7	4612.6	4664.2	4762.6	4849.0	4922.3	4986.3	2.0%
Coal Mining	30.5	31.2	31.9	32.3	32.7	33.0	33.2	33.2	33.2	33.5	33.7	34.0	34.2	34.2	34.7	34.8	35.1	35.4	35.8	36.0	36.4	36.7	37.0	37.3	0.9%
Oil and Gas Extraction	79.5	78.9	79.4	79.4	80.3	80.7	81.7	82.1	83.3	84.2	85.2	85.9	86.8	87.8	88.7	90.0	90.8	92.1	93.1	93.7	94.3	94.8	94.8	94.7	0.8%
Refining	139.0	141.4	143.5	142.7	143.0	145.1	145.6	146.4	147.5	149.3	151.7	152.1	154.5	156.5	157.6	158.5	159.4	160.5	161.1	161.4	162.3	162.6	162.9	163.2	0.7%
Paper	125.2	127.3	128.2	130.7	132.9	134.6	135.9	137.4	139.6	141.9	144.0	145.7	147.8	149.5	150.9	152.4	153.6	155.1	156.8	158.0	159.2	160.3	161.3	162.2	1.1%
Chemicals	278.8	280.9	282.7	289.2	296.4	302.0	305.0	309.7	316.7	323.8	330.7	337.2	344.0	350.4	355.6	361.5	366.7	372.8	379.1	384.1	389.2	394.6	399.0	403.6	1.6%
Stone, Clay, and Glass	70.0	69.6	68.6	68.8	69.3	70.6	71.3	71.9	72.8	73.8	74.8	75.6	76.3	77.2	77.6	78.0	78.2	78.9	79.6	80.1	80.3	80.7	81.3	81.5	0.7%
Primary Metals	149.5	150.7	145.8	148.4	151.4	153.3	154.8	156.2	158.4	160.5	161.7	162.0	162.7	163.0	163.4	163.8	164.4	165.7	167.1	166.9	167.8	168.3	168.3	168.0	0.5%
Basic Steel	69.4	70.8	68.8	70.2	72.0	73.1	74.4	75.1	76.4	77.6	78.5	78.7	78.6	78.4	78.7	79.0	79.6	80.3	81.2	81.3	81.7	81.6	81.6	81.4	0.7%
Primary Aluminum	28.7	28.2	27.4	27.9	28.4	28.8	29.0	29.1	29.3	29.5	29.6	29.5	29.5	29.4	29.6	29.5	29.4	29.4	29.4	29.2	29.3	29.3	29.1	28.8	0.0%
Fabricated Metals	179.7	183.6	182.2	183.9	186.3	189.0	191.2	193.3	197.0	200.7	204.2	207.2	210.1	213.1	214.4	216.0	217.3	220.0	223.1	224.6	227.0	229.1	230.9	232.8	1.1%
Industrial Machinery	316.0	334.4	335.0	339.2	353.3	367.2	378.8	391.3	407.6	422.2	436.9	451.2	465.6	477.0	484.9	495.4	507.1	520.1	536.4	547.5	559.2	570.7	584.0	595.4	2.8%
Electrical Machinery	352.3	374.0	375.8	380.8	404.7	425.0	447.7	477.8	515.3	557.3	590.8	621.8	664.9	703.5	724.5	752.3	777.1	811.9	849.0	863.6	919.0	962.1	992.6	1021.1	4.7%
Transportation Equipment	408.6	429.7	421.3	428.1	433.6	438.8	449.7	458.9	471.6	477.7	486.9	498.4	507.3	516.5	519.1	523.4	528.6	536.4	545.7	549.5	555.5	561.7	567.9	571.8	1.5%
Real Disposable Income by Census Division (billion 1992 dollars)																									
New England	311	320	328	335	341	347	354	360	368	376	384	392	400	409	416	424	431	439	447	455	463	471	479	487	2.0%
Middle Atlantic	847	866	880	897	910	923	941	957	977	996	1017	1037	1057	1080	1097	1115	1134	1153	1172	1190	1210	1229	1247	1265	1.8%
East North Central	846	869	884	900	913	926	944	959	979	998	1018	1038	1057	1079	1096	1113	1130	1149	1168	1186	1205	1223	1241	1258	1.7%
West North Central	339	348	355	364	371	378	387	394	403	412	422	431	441	451	460	468	476	484	493	501	511	519	528	536	2.0%
South Atlantic	905	936	962	992	1017	1043	1075	1104	1138	1171	1207	1242	1278	1318	1353	1388	1425	1462	1502	1539	1581	1622	1663	1704	2.8%
East South Central	262	269	275	281	286	291	298	304	311	318	326	333	341	349	356	363	371	379	387	394	403	411	419	427	2.1%
West South Central	511	528	542	558	571	585	602	618	637	655	675	694	714	736	755	775	795	815	836	856	878	900	921	943	2.7%
Mountain	286	301	323	340	356	369	383	396	409	423	438	453	469	488	505	522	540	559	578	598	619	640	661	682	3.8%
Pacific	877	906	930	956	979	1001	1030	1057	1089	1120	1154	1188	1222	1259	1290	1322	1354	1388	1424	1457	1494	1530	1567	1603	2.7%
United States	5183	5345	5480	5622	5744	5864	6014	6149	6311	6469	6640	6809	6979	7170	7328	7489	7656	7828	8006	8176	8364	8545	8725	8905	2.4%
Non-Agricultural Employment by Census Division (millions)																									
New England	6.5	6.7	6.7	6.8	6.8	6.8	6.9	6.9	7.0	7.1	7.2	7.2	7.3	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.6	7.6	7.6	0.7%
Middle Atlantic	17.0	17.2	17.2	17.3	17.4	17.4	17.5	17.7	17.8	18.0	18.1	18.3	18.4	18.6	18.7	18.7	18.7	18.8	18.8	18.8	18.8	18.9	18.9	18.9	0.5%
East North Central	20.9	21.3	21.3	21.4	21.4	21.5	21.6	21.8	22.0	22.2	22.4	22.5	22.7	22.8	22.9	23.0	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.1	0.4%
West North Central	9.2	9.4	9.5	9.5	9.6	9.7	9.8	9.8	10.0	10.1	10.2	10.3	10.4	10.5	10.5	10.6	10.6	10.6	10.7	10.7	10.7	10.7	10.8	10.8	0.7%
South Atlantic	22.4	23.0	23.3	23.6	23.9	24.2	24.6	25.0	25.4	25.9	26.3	26.8	27.2	27.6	28.0	28.3	28.6	28.9	29.2	29.5	29.8	30.0	30.3	30.6	1.4%
East South Central	7.2	7.3	7.3	7.4	7.4	7.4	7.5	7.5	7.6	7.7	7.8	7.8	7.9	8.0	8.0	8.0	8.1	8.1	8.2	8.2	8.2	8.2	8.2	8.3	0.6%
West South Central	12.8	13.1	13.2	13.4	13.5	13.7	13.9	14.1	14.3	14.6	14.8	15.1	15.3	15.5	15.7	15.9	16.0	16.2	16.4	16.5	16.6	16.8	16.9	17.1	1.3%
Mountain	7.6	7.9	8.6	8.9	9.2	9.4	9.6	9.8	10.0	10.3	10.5	10.8	11.0	11.3	11.5	11.8	12.0	12.3	12.5	12.8	13.1	13.3	13.6	13.8	2.7%
Pacific	17.8	18.3	18.5	18.7	18.9	19.2	19.4	19.7	20.1	20.5	20.8	21.2	21.5	21.8	22.1	22.3	22.5	22.7	23.0	23.2	23.4	23.6	23.8	24.0	1.3%
United States	121.4	124.1	125.6	126.9	128.0	129.4	130.8	132.3	134.2	136.2	138.1	139.9	141.7	143.5	144.9	146.0	147.0	148.1	149.4	150.4	151.3	152.2	153.1	154.0	1.0%

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

Sources: 1997: Data Resources Incorporate (DRI), DRI Trend0898. Projections: Energy Information Administration, AEO99 Modeling System run AEO99B.D100198A.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1997-2020
Crude Oil																									
Canada	1.20	1.18	1.17	1.24	1.24	1.25	1.26	1.26	1.29	1.31	1.34	1.37	1.42	1.46	1.47	1.48	1.50	1.51	1.51	1.52	1.53	1.54	1.55	1.55	1.1%
Mexico	1.36	1.33	1.33	1.38	1.38	1.40	1.41	1.41	1.42	1.44	1.47	1.49	1.53	1.58	1.58	1.58	1.57	1.56	1.55	1.53	1.52	1.51	1.51	1.50	0.4%
North Sea	0.46	0.59	0.59	0.64	0.65	0.67	0.68	0.68	0.70	0.72	0.73	0.73	0.73	0.73	0.71	0.69	0.67	0.65	0.63	0.60	0.58	0.56	0.54	0.53	0.6%
OPEC	3.78	3.89	3.92	4.17	4.26	4.47	4.53	4.61	4.71	4.81	5.00	5.07	5.23	5.43	5.57	5.70	5.85	6.00	6.15	6.31	6.46	6.59	6.71	6.89	2.6%
Latin America	1.39	1.45	1.47	1.57	1.61	1.65	1.67	1.71	1.75	1.80	1.87	1.90	1.97	2.08	2.17	2.24	2.31	2.35	2.39	2.44	2.49	2.52	2.58	2.67	2.9%
North Africa	0.01	0.05	0.07	0.09	0.10	0.12	0.13	0.14	0.15	0.17	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	13.4%
West Africa	0.69	0.67	0.68	0.71	0.72	0.76	0.77	0.78	0.80	0.81	0.82	0.83	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	0.2%
Indonesia	0.05	0.06	0.07	0.09	0.10	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.08	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.8%
Persian Gulf	1.64	1.66	1.63	1.71	1.73	1.83	1.85	1.87	1.91	1.93	2.03	2.06	2.15	2.25	2.31	2.39	2.49	2.62	2.75	2.87	2.98	3.09	3.16	3.26	3.0%
Other Middle East	0.01	0.04	0.04	0.05	0.05	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.02	3.1%
Other Latin America	0.56	0.54	0.56	0.59	0.59	0.62	0.63	0.65	0.67	0.68	0.68	0.67	0.67	0.67	0.66	0.65	0.63	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.0%
Other Africa	0.76	0.72	0.73	0.77	0.78	0.81	0.83	0.84	0.86	0.87	0.89	0.91	0.92	0.92	0.89	0.89	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.2%
Other Asia	0.10	0.16	0.16	0.18	0.19	0.20	0.21	0.22	0.22	0.22	0.21	0.20	0.20	0.19	0.18	0.17	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.14	1.5%
Light Refined Products 1/																									
Canada	0.29	0.22	0.24	0.37	0.40	0.40	0.42	0.44	0.45	0.43	0.43	0.43	0.39	0.39	0.40	0.37	0.41	0.41	0.41	0.43	0.44	0.45	0.46	0.49	2.3%
Northern Europe	0.10	0.06	0.08	0.12	0.14	0.14	0.16	0.16	0.17	0.17	0.18	0.19	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.16	0.15	0.16	0.16	0.16	2.1%
Southern Europe	0.03	0.02	0.03	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.06	0.05	0.06	0.06	0.06	3.1%
OPEC	0.24	0.18	0.21	0.36	0.39	0.40	0.46	0.51	0.55	0.64	0.66	0.73	0.68	0.70	0.73	0.75	0.84	0.84	0.91	0.98	0.97	1.02	1.04	1.11	6.9%
Latin America	0.19	0.14	0.16	0.25	0.26	0.26	0.28	0.30	0.33	0.35	0.37	0.41	0.39	0.40	0.42	0.43	0.46	0.47	0.50	0.54	0.54	0.56	0.58	0.62	5.3%
North Africa	0.03	0.02	0.03	0.05	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.05	0.07	0.05	0.05	0.06	0.05	0.06	0.06	0.06	3.1%
West Africa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Indonesia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Persian Gulf	0.02	0.02	0.02	0.06	0.08	0.09	0.13	0.15	0.16	0.22	0.22	0.25	0.23	0.24	0.25	0.27	0.31	0.32	0.36	0.38	0.38	0.40	0.40	0.43	14.3%
Caribbean Basin	0.37	0.30	0.33	0.62	0.64	0.66	0.70	0.72	0.74	0.78	0.78	0.90	0.84	0.89	0.91	1.04	0.97	1.03	1.13	1.18	1.18	1.26	1.35	1.33	5.7%
Asian Exporters	0.01	0.01	0.01	0.02	0.03	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	0.04	0.04	0.04	0.04	0.04	0.04	6.2%
Other	0.02	0.02	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	3.1%
Heavy Refined Products 2/																									
Canada	0.07	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.04	0.04	0.05	0.05	0.05	0.04	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05	-1.5%
Northern Europe	0.04	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-1.2%
Southern Europe	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.0%
OPEC	0.44	0.32	0.27	0.31	0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.8%
Latin America	0.17	0.11	0.09	0.12	0.13	0.14	0.14	0.15	0.16	0.16	0.15	0.17	0.23	0.20	0.20	0.20	0.18	0.18	0.18	0.17	0.19	0.19	0.19	0.22	1.1%
North Africa	0.16	0.12	0.09	0.10	0.11	0.09	0.08	0.07	0.05	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-8.6%
West Africa	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.0%
Indonesia	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.0%
Persian Gulf	0.08	0.06	0.06	0.06	0.10	0.11	0.10	0.10	0.14	0.15	0.14	0.18	0.19	0.23	0.23	0.23	0.25	0.27	0.27	0.25	0.27	0.28	0.28	0.30	5.9%
Caribbean Basin	0.23	0.13	0.11	0.12	0.13	0.12	0.12	0.11	0.12	0.15	0.14	0.16	0.26	0.21	0.21	0.19	0.20	0.21	0.21	0.19	0.25	0.26	0.27	0.30	1.2%
Asian Exporters	0.04	0.02	0.03	0.02	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	0.03	0.03	0.03	-1.2%
Other	0.04	0.02	0.03	0.02	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	0.03	0.03	0.03	-1.2%

1/ Includes gasoline, distillate, jet fuel, and liquified 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, Columbia, Ecuador, Guatemala, Jamaica, Mexico, Netherlands Antilles, Panama, Puerto Rico, Trinidad and Tobago, and the Virgin Islands.
N/A = Not applicable.
Source: Energy Information Administration, AEO99 National Energy Modeling System run AEO99B.D100198A.