

Table 1. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 01 - New England																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Energy Consumption																											
Residential																											
Distillate Fuel	0.28	0.28	0.28	0.28	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	-0.7%
Kerosene	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-2.6%
Liquefied Petroleum Gas	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-0.9%
Petroleum Subtotal	0.32	0.32	0.31	0.31	0.31	0.30	0.30	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	-0.7%
Natural Gas	0.21	0.20	0.20	0.21	0.21	0.21	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	0.23	0.23	0.23	0.23	0.24	0.5%
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	0.00	0.00	1.5%
Renewable Energy 1/	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.0%
Electricity	0.14	0.14	0.15	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.9%
Delivered Energy	0.73	0.72	0.73	0.72	0.73	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.1%
Electricity Related Losses	0.26	0.26	0.28	0.27	0.26	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	-0.2%
Total	0.99	0.97	1.00	0.99	0.99	0.98	0.97	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.97	0.97	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.99	0.99	0.0%
Commercial																											
Distillate Fuel	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	-1.3%
Residual Fuel	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-0.8%
Kerosene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.4%
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	0.00	0.00	0.3%
Motor Gasoline 2/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.3%
Petroleum Subtotal	0.12	0.12	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	0.09	0.09	0.09	0.09	0.09	0.09	0.09	-1.0%
Natural Gas	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19	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	0.6%
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	0.00	0.00	0.3%
Renewable Energy 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	0.00	N/A
Electricity	0.15	0.16	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	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.6%
Delivered Energy	0.44	0.44	0.43	0.44	0.44	0.44	0.44	0.44	0.45	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.46	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.46	0.46	0.2%
Electricity Related Losses	0.28	0.30	0.30	0.30	0.29	0.27	0.27	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	0.25	0.25	0.25	0.25	0.25	0.25	-0.5%
Total	0.72	0.74	0.73	0.74	0.72	0.71	0.72	0.70	0.71	0.71	0.71	0.71	0.71	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.72	0.72	0.71	0.71	0.71	0.71	-0.1%

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	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Delivered Energy Consumption, All Sectors																										
Distillate Fuel	0.50	0.51	0.51	0.51	0.51	0.51	0.51	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.49	0.49	0.49	0.49	0.49	0.49	-0.2%
Kerosene	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	0.01	0.01	0.01	0.01	0.01	0.01	-2.0%
Jet Fuel 9/	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	2.3%
Liquefied Petroleum Gas ..	0.04	0.04	0.04	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	0.6%
Motor Gasoline 2/	0.76	0.77	0.78	0.80	0.81	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.92	0.92	0.93	0.93	0.94	0.94	0.94	0.95	0.95	0.96	0.96	1.0%
Petrochemical Feedstocks	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.4%
Residual Fuel	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.0%
Other Petroleum 13/	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	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.7%
Petroleum Subtotal	1.56	1.57	1.58	1.60	1.62	1.63	1.65	1.66	1.68	1.69	1.71	1.72	1.73	1.75	1.76	1.77	1.77	1.78	1.78	1.78	1.79	1.79	1.80	1.80	1.80	0.6%
Natural Gas 6/	0.47	0.46	0.48	0.48	0.48	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	0.54	0.54	0.54	0.54	0.54	0.6%
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	0.00	N/A
Steam Coal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.5%
Net Coal Coke 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	0.00	N/A
Coal Subtotal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.5%
Renewable Energy 14/ ...	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.9%
Methanol 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	20.5%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.6%
Electricity	0.39	0.39	0.39	0.39	0.40	0.41	0.41	0.41	0.42	0.42	0.43	0.43	0.44	0.44	0.44	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.47	0.47	0.47	0.8%
Delivered Energy	2.61	2.62	2.65	2.68	2.70	2.73	2.75	2.78	2.81	2.83	2.86	2.88	2.91	2.93	2.95	2.97	2.99	3.00	3.01	3.02	3.03	3.04	3.04	3.05	3.06	0.7%
Electricity Related Losses	0.70	0.73	0.75	0.75	0.72	0.69	0.69	0.65	0.66	0.66	0.65	0.66	0.66	0.66	0.67	0.67	0.67	0.68	0.67	0.67	0.65	0.65	0.65	0.66	0.66	-0.3%
Total	3.31	3.34	3.40	3.42	3.42	3.42	3.45	3.43	3.47	3.49	3.51	3.54	3.57	3.59	3.62	3.64	3.66	3.67	3.68	3.69	3.68	3.69	3.70	3.71	3.71	0.5%
Electric Generators 15/																										
Distillate 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	0.00	0.1%
Residual Fuel	0.14	0.18	0.20	0.16	0.11	0.13	0.11	0.08	0.07	0.09	0.08	0.08	0.07	0.08	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-3.6%
Petroleum Subtotal	0.14	0.19	0.20	0.16	0.12	0.13	0.11	0.08	0.08	0.09	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-3.5%
Natural Gas	0.13	0.13	0.15	0.19	0.27	0.36	0.38	0.44	0.46	0.47	0.49	0.50	0.52	0.52	0.53	0.54	0.54	0.55	0.56	0.57	0.59	0.59	0.59	0.60	0.60	6.4%
Steam Coal	0.18	0.18	0.17	0.17	0.17	0.16	0.16	0.15	0.15	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	-0.7%
Nuclear Power	0.44	0.40	0.40	0.36	0.37	0.32	0.33	0.28	0.28	0.25	0.24	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.18	0.18	0.18	0.18	0.18	-3.6%
Renewable Energy 16/ ...	0.08	0.09	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	1.2%
Electricity Imports 17/ ...	0.12	0.13	0.14	0.18	0.11	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-6.2%
Total	1.09	1.11	1.14	1.14	1.11	1.10	1.10	1.07	1.08	1.09	1.08	1.09	1.10	1.10	1.11	1.12	1.12	1.13	1.13	1.13	1.11	1.12	1.12	1.13	1.13	0.2%

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	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Total Energy Consumption																										
Distillate Fuel	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.50	0.51	0.51	0.51	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.49	0.49	0.49	-0.2%
Kerosene	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	0.01	0.01	0.01	0.01	0.01	0.01	-2.0%
Jet Fuel 9/	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	2.3%
Liquefied Petroleum Gas .	0.04	0.04	0.04	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	0.6%
Motor Gasoline 2/	0.76	0.77	0.78	0.80	0.81	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.92	0.92	0.93	0.93	0.94	0.94	0.94	0.95	0.95	0.96	0.96	1.0%
Petrochemical Feedstocks	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.4%
Residual Fuel	0.24	0.29	0.29	0.26	0.22	0.23	0.22	0.18	0.18	0.19	0.19	0.19	0.18	0.19	0.18	0.18	0.18	0.17	0.16	0.17	0.16	0.17	0.17	0.16	0.16	-1.7%
Other Petroleum 13/	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	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.7%
Petroleum Subtotal	1.69	1.76	1.78	1.76	1.73	1.76	1.76	1.74	1.75	1.78	1.79	1.80	1.81	1.83	1.83	1.84	1.84	1.84	1.84	1.84	1.84	1.85	1.86	1.85	1.86	0.4%
Natural Gas	0.61	0.59	0.63	0.67	0.75	0.85	0.87	0.93	0.96	0.98	1.00	1.01	1.03	1.03	1.06	1.06	1.07	1.09	1.10	1.10	1.13	1.13	1.13	1.14	1.15	2.7%
Metallurgical Coal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Steam Coal	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.17	0.16	0.17	0.17	0.17	-0.6%
Net Coal Coke 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	0.00	N/A
Coal Subtotal	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.16	0.16	0.17	0.16	0.17	0.17	0.17	-0.6%
Nuclear Power	0.44	0.40	0.40	0.36	0.37	0.32	0.33	0.28	0.28	0.25	0.24	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.18	0.18	0.18	0.18	0.18	-3.6%
Renewable Energy 18/	0.26	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.33	0.33	0.33	1.0%
Methanol 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	20.5%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.6%
Electricity Imports 17/	0.12	0.13	0.14	0.18	0.11	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-6.2%
Total	3.31	3.34	3.40	3.42	3.42	3.42	3.45	3.43	3.47	3.49	3.51	3.54	3.57	3.59	3.62	3.64	3.66	3.67	3.68	3.69	3.68	3.69	3.70	3.71	3.71	0.5%
Energy Use & Related Statistics																										
Delivered Energy Use	2.61	2.62	2.65	2.68	2.70	2.73	2.75	2.78	2.81	2.83	2.86	2.88	2.91	2.93	2.95	2.97	2.99	3.00	3.01	3.02	3.03	3.04	3.04	3.05	3.06	0.7%
Total Energy Use	3.31	3.34	3.40	3.42	3.42	3.42	3.45	3.43	3.47	3.49	3.51	3.54	3.57	3.59	3.62	3.64	3.66	3.67	3.68	3.69	3.68	3.69	3.71	3.71	3.71	0.5%
Population (millions)	13.38	13.45	13.51	13.58	13.64	13.71	13.78	13.85	13.91	13.98	14.04	14.10	14.16	14.23	14.29	14.36	14.43	14.49	14.55	14.60	14.66	14.71	14.75	14.79	14.83	0.4%
US GDP (billion 1992 dollars)	6928.40	7163.69	7332.27	7489.14	7652.77	7814.79	7972.42	8130.39	8312.05	8503.48	8693.91	8880.34	9072.87	9254.60	9431.22	9600.07	9774.09	9931.70	10073.05	10211.88	10347.8	10494.1	10635.3	10772.4	10899.7	1.9%
Total Carbon Emission (million metric ton)	1462.90	1493.24	1533.34	1557.47	1577.32	1607.17	1624.75	1643.51	1663.11	1688.76	1715.97	1739.76	1763.16	1784.13	1803.22	1822.67	1841.40	1854.69	1871.36	1888.3	1901.66	1918.48	1934.59	1947.59	1956.19	1.2%

1/ Includes wood used for residential heating. See Table A18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water heating.
2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.
3/ Includes commercial sector electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.
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; including 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.

Table 1. Energy Consumption by Sector and Source (Continued)

- 11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline(nonrenewable).
12/ Only M85 (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.
16/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, E85, wind, photovoltaic and solar thermal sources. Excludes cogeneration. Excludes net electricity imports.
17/ In 1996 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 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: EIA, Short-Term Energy Outlook, August 1997.
Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). 1996 electric utility fuel consumption: EIA, Electric Power Annual 1996, Volume I, DOE/EIA-0348(96)/1 (Washington, DC, August 1997). 1996 nonutility consumption estimates: EIA Form 867, "Annual Nonutility Power Producer Report." Other 1996 values: EIA, Short-Term Energy Outlook August 1997.
Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). Projections: EIA, AEO98 National Energy Modeling System runAEO98B.D100197A.

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 02 - Middle Atlantic																									1996- 2020	
	1996	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	0.349	0.345	0.345	0.333	0.329	0.323	0.320	0.316	0.313	0.307	0.305	0.302	0.301	0.299	0.296	0.294	0.294	0.290	0.289	0.287	0.286	0.284	0.283	0.280	0.278	-0.9%
Kerosene	0.023	0.024	0.019	0.019	0.019	0.019	0.019	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.016	0.016	0.016	-1.4%
Liquefied Petroleum Gas	0.033	0.033	0.033	0.036	0.036	0.037	0.037	0.037	0.038	0.038	0.038	0.038	0.039	0.039	0.039	0.040	0.041	0.041	0.041	0.041	0.042	0.042	0.042	0.042	0.043	1.1%
Petroleum Subtotal	0.405	0.402	0.397	0.388	0.384	0.379	0.375	0.372	0.369	0.363	0.361	0.358	0.358	0.355	0.353	0.352	0.352	0.348	0.347	0.345	0.344	0.343	0.341	0.339	0.337	-0.8%
Natural Gas	0.973	0.913	0.949	0.862	0.860	0.856	0.853	0.853	0.854	0.851	0.853	0.855	0.858	0.855	0.857	0.857	0.861	0.862	0.865	0.864	0.862	0.860	0.860	0.860	0.862	-0.5%
Coal	0.017	0.019	0.018	0.019	0.019	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	-0.1%
Renewable Energy 1/	0.098	0.096	0.096	0.096	0.096	0.095	0.095	0.095	0.095	0.095	0.095	0.095	0.094	0.094	0.094	0.094	0.094	0.093	0.093	0.093	0.093	0.092	0.092	0.091	0.091	-0.3%
Electricity	0.381	0.374	0.394	0.398	0.412	0.424	0.429	0.434	0.439	0.444	0.449	0.453	0.460	0.464	0.470	0.475	0.482	0.485	0.490	0.494	0.500	0.503	0.508	0.512	0.518	1.3%
Delivered Energy	1.875	1.805	1.855	1.762	1.771	1.772	1.771	1.771	1.776	1.770	1.776	1.779	1.788	1.786	1.791	1.795	1.805	1.806	1.812	1.814	1.817	1.815	1.817	1.819	1.826	-0.1%
Electricity Related Losses	0.735	0.709	0.756	0.775	0.809	0.844	0.853	0.855	0.855	0.865	0.871	0.880	0.883	0.887	0.883	0.897	0.902	0.906	0.923	0.926	0.927	0.916	0.932	0.940	0.946	1.1%
Total	2.609	2.514	2.611	2.537	2.580	2.616	2.624	2.626	2.631	2.635	2.647	2.659	2.670	2.673	2.674	2.692	2.707	2.712	2.735	2.739	2.744	2.731	2.749	2.759	2.772	0.3%
Commercial																										
Distillate Fuel	0.15	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	-1.1%
Residual Fuel	0.11	0.11	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	-1.04%
Kerosene	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.60%
Liquefied Petroleum Gas	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10%
Motor Gasoline 2/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.30%
Petroleum Subtotal	0.27	0.27	0.24	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	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.21	-1.02%
Natural Gas	0.56	0.56	0.58	0.58	0.58	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.60	0.59	0.59	0.59	0.59	0.59	0.58	0.58	0.12%
Coal	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.10%
Renewable Energy 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
Electricity	0.46	0.46	0.46	0.46	0.47	0.47	0.47	0.47	0.47	0.48	0.48	0.48	0.48	0.48	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.28%
Delivered Energy	1.31	1.30	1.29	1.29	1.30	1.30	1.30	1.30	1.31	1.31	1.31	1.31	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.31	1.31	1.30	1.30	-0.03%
Electricity Related Losses	0.88	0.87	0.89	0.91	0.92	0.93	0.93	0.93	0.92	0.93	0.93	0.93	0.92	0.92	0.91	0.92	0.92	0.92	0.92	0.92	0.91	0.89	0.90	0.90	0.89	0.06%
Total	2.18	2.17	2.18	2.20	2.21	2.23	2.23	2.23	2.23	2.24	2.24	2.25	2.24	2.24	2.24	2.23	2.24	2.24	2.24	2.25	2.24	2.23	2.21	2.20	2.19	0.00%

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 02 - Middle Atlantic																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Delivered Energy Consumption, All Sectors																										
Distillate Fuel	1.00	1.03	1.03	1.02	1.02	1.03	1.03	1.03	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.03	1.03	1.03	1.02	1.02	1.02	0.07%
Kerosene	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-1.00%
Jet Fuel 9/	0.39	0.40	0.40	0.45	0.46	0.47	0.49	0.50	0.52	0.53	0.55	0.56	0.58	0.59	0.60	0.61	0.63	0.63	0.65	0.65	0.66	0.67	0.68	0.69	0.70	2.41%
Liquefied Petroleum Gas	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	1.99%
Motor Gasoline 2/	1.81	1.84	1.87	1.90	1.92	1.95	1.97	2.00	2.02	2.04	2.06	2.08	2.10	2.12	2.14	2.14	2.15	2.16	2.17	2.18	2.18	2.19	2.20	2.21	2.21	0.85%
Petrochemical Feedstocks	0.13	0.13	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	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.42%
Residual Fuel	0.25	0.24	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.42%
Other Petroleum 13/	0.43	0.43	0.43	0.49	0.50	0.50	0.51	0.52	0.52	0.54	0.55	0.56	0.58	0.58	0.58	0.59	0.59	0.60	0.61	0.62	0.62	0.62	0.62	0.62	0.62	1.55%
Petroleum Subtotal	4.11	4.17	4.18	4.31	4.37	4.42	4.48	4.53	4.58	4.63	4.70	4.75	4.81	4.85	4.89	4.92	4.95	4.97	4.99	5.03	5.04	5.06	5.07	5.09	5.10	0.90%
Natural Gas 6/	2.30	2.24	2.32	2.23	2.23	2.23	2.23	2.23	2.24	2.24	2.24	2.26	2.27	2.27	2.28	2.29	2.29	2.29	2.30	2.29	2.29	2.28	2.28	2.28	2.29	-0.02%
Metallurgical Coal	0.33	0.34	0.34	0.34	0.33	0.33	0.32	0.32	0.31	0.31	0.31	0.30	0.30	0.29	0.29	0.28	0.28	0.28	0.27	0.27	0.26	0.26	0.26	0.25	0.25	-1.24%
Steam Coal	0.17	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	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.38%
Net Coal Coke Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	N/A
Coal Subtotal	0.50	0.51	0.51	0.51	0.50	0.50	0.50	0.49	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.47	0.47	0.47	0.46	0.46	0.45	0.45	0.45	0.44	0.44	-0.54%
Renewable Energy 14/	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.76%
Methanol 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	0.00	0.00	20.25%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.28%
Electricity	1.15	1.15	1.18	1.19	1.21	1.22	1.24	1.25	1.26	1.28	1.29	1.31	1.32	1.33	1.34	1.35	1.36	1.37	1.38	1.38	1.39	1.39	1.40	1.40	1.41	0.85%
Delivered Energy	8.31	8.33	8.45	8.50	8.57	8.64	8.71	8.77	8.85	8.93	9.02	9.10	9.18	9.24	9.30	9.35	9.38	9.42	9.45	9.48	9.50	9.51	9.53	9.54	9.56	0.58%
Electricity Related Losses	2.21	2.18	2.26	2.31	2.36	2.43	2.46	2.46	2.46	2.49	2.51	2.54	2.55	2.54	2.52	2.56	2.55	2.56	2.59	2.59	2.58	2.54	2.57	2.58	2.58	0.63%
Total	10.53	10.51	10.71	10.81	10.93	11.07	11.17	11.23	11.31	11.42	11.53	11.63	11.71	11.78	11.82	11.90	11.94	11.98	12.05	12.08	12.07	12.05	12.09	12.12	12.14	0.59%
Electric Generators 15/																										
Distillate Fuel	0.02	0.01	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	-5.46%
Residual Fuel	0.14	0.13	0.07	0.10	0.09	0.07	0.05	0.04	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	-7.33%
Petroleum Subtotal	0.16	0.14	0.08	0.11	0.10	0.07	0.06	0.04	0.03	0.03	0.04	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	-7.07%
Natural Gas	0.18	0.25	0.37	0.41	0.50	0.54	0.59	0.64	0.74	0.79	0.79	0.88	0.96	1.00	1.07	1.11	1.13	1.17	1.20	1.28	1.33	1.41	1.43	1.44	1.47	9.05%
Steam Coal	1.21	1.16	1.18	1.19	1.22	1.24	1.22	1.20	1.21	1.22	1.22	1.25	1.27	1.29	1.29	1.31	1.31	1.30	1.30	1.29	1.30	1.32	1.34	1.34	1.34	0.45%
Nuclear Power	1.26	1.20	1.26	1.27	1.23	1.24	1.24	1.23	1.18	1.18	1.18	1.09	1.01	0.97	0.91	0.91	0.90	0.90	0.92	0.86	0.79	0.65	0.65	0.65	0.63	-2.87%
Renewable Energy 16/	0.39	0.39	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	0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.37	-0.32%
Electricity Imports 17/	0.16	0.19	0.19	0.16	0.16	0.21	0.23	0.23	0.21	0.20	0.22	0.23	0.23	0.23	0.21	0.19	0.18	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	-0.29%
Total	3.36	3.33	3.44	3.50	3.57	3.66	3.70	3.71	3.73	3.77	3.81	3.84	3.85	3.88	3.86	3.91	3.92	3.93	3.97	3.98	3.97	3.93	3.97	3.98	3.99	0.71%

Table 2. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 02 - Middle Atlantic																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Total Energy Consumption																										
Distillate Fuel	1.02	1.04	1.04	1.03	1.03	1.03	1.04	1.04	1.04	1.04	1.04	1.05	1.05	1.05	1.05	1.05	1.05	1.04	1.04	1.04	1.03	1.03	1.03	1.02	1.02	0.02%
Kerosene	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-1.00%
Jet Fuel 9/	0.39	0.40	0.40	0.45	0.46	0.47	0.49	0.50	0.52	0.53	0.55	0.56	0.58	0.59	0.60	0.61	0.63	0.63	0.65	0.65	0.66	0.67	0.68	0.69	0.70	2.41%
Liquefied Petroleum Gas .	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	1.99%
Motor Gasoline 2/	1.81	1.84	1.87	1.90	1.92	1.95	1.97	2.00	2.02	2.04	2.06	2.08	2.10	2.12	2.14	2.14	2.15	2.16	2.17	2.18	2.18	2.19	2.20	2.21	2.21	0.85%
Petrochemical Feedstocks	0.13	0.13	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	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.42%
Residual Fuel	0.39	0.38	0.30	0.33	0.32	0.30	0.29	0.28	0.27	0.28	0.28	0.27	0.27	0.29	0.28	0.29	0.30	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	-1.10%
Other Petroleum 13/	0.43	0.43	0.43	0.49	0.50	0.50	0.51	0.52	0.52	0.54	0.55	0.56	0.58	0.58	0.58	0.59	0.59	0.60	0.61	0.62	0.62	0.62	0.62	0.62	0.62	1.55%
Petroleum Subtotal	4.27	4.31	4.26	4.42	4.46	4.49	4.54	4.57	4.61	4.67	4.74	4.77	4.83	4.88	4.92	4.95	4.98	5.00	5.02	5.06	5.06	5.09	5.11	5.12	5.12	0.76%
Natural Gas	2.48	2.49	2.69	2.64	2.73	2.76	2.82	2.87	2.98	3.03	3.03	3.13	3.23	3.27	3.35	3.40	3.41	3.46	3.50	3.57	3.62	3.70	3.71	3.72	3.76	1.75%
Metallurgical Coal	0.33	0.34	0.34	0.34	0.33	0.33	0.32	0.32	0.31	0.31	0.31	0.30	0.30	0.29	0.29	0.28	0.28	0.28	0.27	0.27	0.26	0.26	0.26	0.25	0.25	-1.24%
Steam Coal	1.37	1.32	1.35	1.36	1.39	1.41	1.39	1.38	1.38	1.39	1.40	1.43	1.45	1.47	1.47	1.49	1.49	1.48	1.49	1.47	1.48	1.50	1.52	1.52	1.53	0.44%
Net Coal Coke Imports . . .	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	N/A
Coal Subtotal	1.71	1.66	1.70	1.70	1.73	1.74	1.71	1.70	1.70	1.71	1.71	1.74	1.75	1.77	1.77	1.78	1.78	1.77	1.77	1.75	1.76	1.77	1.78	1.78	1.78	0.18%
Nuclear Power	1.26	1.20	1.26	1.27	1.23	1.24	1.24	1.23	1.18	1.18	1.18	1.09	1.01	0.97	0.91	0.91	0.90	0.90	0.92	0.86	0.79	0.65	0.65	0.65	0.63	-2.87%
Renewable Energy 18/	0.65	0.65	0.61	0.62	0.63	0.63	0.63	0.63	0.64	0.64	0.65	0.65	0.66	0.66	0.66	0.66	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.14%
Methanol 12/	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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	20.25%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.28%
Electricity Imports 17/	0.16	0.19	0.19	0.16	0.16	0.21	0.23	0.23	0.21	0.20	0.22	0.23	0.23	0.23	0.21	0.19	0.18	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	-0.29%
Total	10.53	10.51	10.71	10.81	10.93	11.07	11.17	11.23	11.31	11.42	11.53	11.63	11.71	11.78	11.82	11.90	11.94	11.98	12.05	12.08	12.07	12.05	12.09	12.12	12.14	0.59%
Energy Use & Related Statistics																										
Delivered Energy Use	8.31	8.33	8.45	8.50	8.57	8.64	8.71	8.77	8.85	8.93	9.02	9.10	9.18	9.24	9.30	9.35	9.38	9.42	9.45	9.48	9.50	9.51	9.53	9.54	9.56	0.58%
Total Energy Use	10.53	10.51	10.71	10.81	10.93	11.07	11.17	11.23	11.31	11.42	11.53	11.63	11.71	11.78	11.82	11.90	11.93	11.97	12.04	12.07	12.06	12.04	12.09	12.11	12.13	0.59%
Population (millions)	38.31	38.40	38.51	38.61	38.71	38.82	38.92	39.04	39.16	39.27	39.38	39.48	39.57	39.65	39.73	39.81	39.89	39.97	40.05	40.12	40.20	40.28	40.36	40.43	40.51	0.23%
US GDP (billion 1992 dollars)	6928.40	7163.69	7332.27	7489.14	7652.77	7814.79	7972.42	8130.39	8312.05	8503.48	8693.91	8880.34	9072.87	9254.60	9431.22	9600.07	9774.09	9931.70	10073.1	10210.7	10347.8	10494.2	10635.3	10772.4	10899.7	2.00%
Total Carbon Emission (million metric ton)	1462.90	1493.24	1533.34	1557.47	1577.32	1607.17	1624.75	1643.51	1663.11	1688.76	1715.97	1739.76	1763.16	1784.13	1803.22	1822.67	1841.40	1854.69	1871.36	1888.33	1901.66	1918.48	1934.59	1947.59	1956.19	1.00%

1/ Includes wood used for residential heating. See Table A18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water heating.
2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.
3/ Includes commercial sector electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.
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; including 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.

Table 2. Energy Consumption by Sector and Source (Continued)

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

12/ Only M85 (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.

16/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, E85, wind, photovoltaic and solar thermal sources. Excludes cogeneration. Excludes net electricity imports.

17/ In 1996 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 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: EIA, Short-Term Energy Outlook, August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997).

1996 electric utility fuel consumption: EIA, Electric Power Annual 1996, Volume I, DOE/EIA-0348(96)/1 (Washington, DC, August 1997). 1996 nonutility consumption estimates: EIA Form 867, "Annual

Nonutility Power Producer Report." Other 1996 values: EIA, Short-Term Energy Outlook August 1997. Online.<http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). Projections: EIA, AEO98

National Energy Modeling System run AEO98B.D100197A.

Table 3. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 03 - East North Central																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Energy Consumption																										
Residential																										
Distillate Fuel	0.097	0.096	0.096	0.089	0.088	0.086	0.085	0.084	0.083	0.082	0.081	0.081	0.080	0.079	0.079	0.079	0.078	0.077	0.076	0.076	0.076	0.075	0.074	0.074	0.073	-1.2%
Kerosene	0.010	0.011	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	0.009	-0.5%
Liquefied Petroleum Gas	0.099	0.098	0.099	0.105	0.107	0.108	0.109	0.111	0.111	0.112	0.113	0.114	0.116	0.117	0.118	0.119	0.121	0.121	0.122	0.123	0.124	0.124	0.125	0.126	0.126	1.0%
Petroleum Subtotal	0.206	0.205	0.203	0.203	0.204	0.203	0.203	0.204	0.204	0.203	0.204	0.204	0.205	0.205	0.206	0.206	0.208	0.207	0.207	0.208	0.208	0.208	0.208	0.208	0.208	0.0%
Natural Gas	1.628	1.529	1.589	1.589	1.597	1.585	1.588	1.588	1.593	1.589	1.591	1.590	1.599	1.596	1.607	1.602	1.619	1.622	1.623	1.627	1.635	1.623	1.626	1.634	1.634	0.0%
Coal	0.012	0.013	0.012	0.012	0.012	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.010	0.010	0.010	0.010	-0.5%
Renewable Energy 1/	0.073	0.069	0.068	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.069	0.070	0.070	0.070	0.070	0.071	0.071	0.071	0.071	0.071	0.072	0.072	0.072	0.072	0.073	-0.0%
Electricity	0.538	0.528	0.556	0.558	0.574	0.588	0.594	0.599	0.605	0.610	0.617	0.624	0.634	0.639	0.647	0.656	0.666	0.672	0.680	0.687	0.697	0.703	0.711	0.719	0.729	1.3%
Delivered Energy	2.457	2.344	2.429	2.431	2.456	2.457	2.465	2.471	2.482	2.483	2.492	2.499	2.519	2.522	2.541	2.545	2.575	2.583	2.592	2.604	2.625	2.617	2.627	2.636	2.654	0.3%
Electricity Related Losses	1.163	1.190	1.246	1.265	1.268	1.293	1.292	1.294	1.287	1.301	1.305	1.320	1.335	1.348	1.359	1.366	1.397	1.403	1.410	1.422	1.45	1.474	1.478	1.498	1.52	1.1%
Total	3.620	3.534	3.675	3.695	3.724	3.750	3.757	3.765	3.769	3.785	3.797	3.819	3.854	3.870	3.900	3.911	3.971	3.986	4.003	4.027	4.074	4.090	4.105	4.134	4.174	0.6%
Commercial																										
Distillate Fuel	0.044	0.044	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.041	0.040	0.040	0.040	-0.4%
Residual Fuel	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	-0.6%
Kerosene	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	-0.2%
Liquefied Petroleum Gas	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	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.5%
Motor Gasoline 2/	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	-0.3%
Petroleum Subtotal	0.073	0.073	0.070	0.070	0.070	0.070	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.071	0.072	0.072	0.072	0.072	0.071	0.071	0.071	0.071	0.071	0.070	-0.1%
Natural Gas	0.797	0.782	0.817	0.824	0.828	0.831	0.836	0.841	0.846	0.850	0.853	0.856	0.860	0.863	0.866	0.867	0.870	0.872	0.871	0.871	0.870	0.868	0.865	0.861	0.857	0.3%
Coal	0.022	0.022	0.023	0.023	0.023	0.023	0.023	0.024	0.024	0.024	0.024	0.024	0.024	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.6%
Renewable Energy 3/	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	0.003	0.003	0.003	0.003	1.2%
Electricity	0.540	0.546	0.563	0.569	0.574	0.579	0.584	0.589	0.594	0.600	0.605	0.610	0.616	0.621	0.626	0.631	0.637	0.641	0.645	0.649	0.652	0.654	0.656	0.657	0.658	0.8%
Delivered Energy	1.434	1.425	1.475	1.488	1.498	1.506	1.517	1.527	1.537	1.547	1.556	1.564	1.574	1.582	1.591	1.598	1.607	1.612	1.616	1.620	1.621	1.621	1.620	1.617	1.613	0.5%
Electricity Related Losses	1.168	1.232	1.262	1.290	1.267	1.273	1.271	1.272	1.264	1.279	1.280	1.291	1.298	1.310	1.315	1.315	1.336	1.338	1.339	1.343	1.356	1.372	1.365	1.370	1.373	0.7%
Total	2.602	2.657	2.737	2.778	2.765	2.779	2.787	2.799	2.802	2.827	2.837	2.855	2.871	2.892	2.906	2.913	2.942	2.950	2.955	2.963	2.978	2.993	2.985	2.986	2.986	0.6%

Table 3. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 03 - East North Central																										
	1996	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
Delivered Energy Consumption, All Sectors																										1996-
Distillate Fuel	1.03	1.08	1.10	1.11	1.12	1.14	1.16	1.17	1.19	1.20	1.21	1.22	1.23	1.24	1.25	1.25	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.25	0.83%
Kerosene	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	0.01	0.01	0.01	0.01	0.01	0.01	-0.47%
Jet Fuel 9/	0.29	0.30	0.30	0.34	0.34	0.35	0.36	0.37	0.39	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.47	0.48	0.49	0.49	0.50	0.51	0.51	0.52	2.36%
Liquefied Petroleum Gas ..	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.29	0.29	0.30	0.30	0.31	0.31	0.32	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.35	1.13%
Motor Gasoline 2/	2.43	2.46	2.51	2.54	2.57	2.61	2.64	2.67	2.70	2.73	2.76	2.79	2.82	2.84	2.86	2.88	2.89	2.90	2.92	2.93	2.94	2.95	2.96	2.97	2.98	0.86%
Petrochemical Feedstocks ..	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	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.69%
Residual Fuel	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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-0.32%
Other Petroleum 13/	0.71	0.71	0.70	0.75	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.84	0.85	0.86	0.86	0.86	0.87	0.88	0.87	0.88	0.89	0.89	0.98%
Petroleum Subtotal	4.95	5.05	5.11	5.22	5.29	5.36	5.45	5.51	5.58	5.65	5.74	5.79	5.86	5.92	5.97	6.01	6.06	6.07	6.10	6.13	6.15	6.17	6.20	6.22	6.24	0.97%
Natural Gas 6/	3.98	3.88	4.04	4.15	4.18	4.16	4.18	4.18	4.20	4.22	4.24	4.26	4.29	4.30	4.33	4.33	4.35	4.37	4.36	4.37	4.38	4.36	4.36	4.35	4.35	0.37%
Metallurgical Coal	0.31	0.31	0.31	0.31	0.30	0.30	0.29	0.28	0.28	0.27	0.27	0.27	0.26	0.26	0.25	0.25	0.25	0.24	0.24	0.24	0.23	0.23	0.22	0.22	0.22	-1.46%
Steam Coal	0.37	0.37	0.38	0.38	0.38	0.39	0.40	0.41	0.41	0.42	0.43	0.43	0.43	0.44	0.44	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.46	0.81%
Net Coal Coke Imports ...	0.00	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	N/A
Coal Subtotal	0.68	0.70	0.71	0.71	0.70	0.71	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.73	0.73	0.74	0.74	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.72	0.23%
Renewable Energy 14/ ...	0.41	0.42	0.42	0.43	0.44	0.45	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.54	0.55	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.59	1.58%
Methanol 12/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	20.28%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.32%
Electricity	1.83	1.84	1.89	1.91	1.94	1.98	2.00	2.02	2.05	2.07	2.10	2.13	2.16	2.18	2.20	2.23	2.26	2.27	2.29	2.31	2.33	2.34	2.36	2.38	2.39	1.13%
Delivered Energy	11.84	11.89	12.17	12.42	12.54	12.66	12.80	12.90	13.04	13.16	13.31	13.43	13.57	13.68	13.79	13.87	13.98	14.02	14.06	14.12	14.18	14.21	14.25	14.29	14.32	0.79%
Electricity Related Losses	3.95	4.15	4.25	4.32	4.27	4.34	4.35	4.36	4.36	4.42	4.44	4.50	4.54	4.60	4.62	4.65	4.74	4.75	4.75	4.77	4.84	4.91	4.91	4.96	5.00	0.98%
Total	15.80	16.05	16.41	16.74	16.82	17.00	17.15	17.27	17.39	17.59	17.76	17.93	18.11	18.28	18.42	18.52	18.71	18.77	18.82	18.90	19.02	19.12	19.16	19.25	19.32	0.84%
Electric Generators 15/																										
Distillate Fuel	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-1.74%
Residual Fuel	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	0.00	0.00	0.00	-9.38%
Petroleum Subtotal	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-4.22%
Natural Gas	0.07	0.27	0.32	0.35	0.24	0.25	0.28	0.39	0.36	0.43	0.50	0.52	0.61	0.71	0.76	0.81	0.90	0.96	0.96	1.07	1.12	1.20	1.29	1.33	1.37	12.89%
Steam Coal	4.19	4.26	4.31	4.30	4.37	4.55	4.53	4.57	4.61	4.67	4.73	4.79	4.82	4.84	4.83	4.88	4.90	4.88	4.91	4.91	4.94	4.98	5.02	5.05	5.06	0.79%
Nuclear Power	1.36	1.31	1.38	1.45	1.46	1.38	1.40	1.28	1.28	1.24	1.16	1.16	1.11	1.07	1.07	1.03	1.03	1.00	1.00	0.92	0.93	0.90	0.78	0.78	0.78	-2.32%
Renewable Energy 16/ ...	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	1.28%
Electricity Imports 17/ ...	0.01	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	3.20%
Total	5.78	6.00	6.14	6.23	6.21	6.32	6.35	6.38	6.41	6.50	6.54	6.63	6.70	6.78	6.82	6.89	6.99	7.02	7.05	7.08	7.16	7.26	7.27	7.34	7.39	1.03%

Table 3. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 03 - East North Central																										
	1996	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
Total Energy Consumption																										
Distillate Fuel	1.04	1.10	1.11	1.12	1.13	1.15	1.17	1.18	1.19	1.21	1.22	1.23	1.24	1.25	1.26	1.26	1.27	1.27	1.27	1.27	1.27	1.27	1.26	1.27	1.26	0.80%
Kerosene	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	0.01	0.01	0.01	0.01	0.01	0.01	-0.47%
Jet Fuel 9/	0.29	0.30	0.30	0.34	0.34	0.35	0.36	0.37	0.39	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.47	0.47	0.48	0.49	0.49	0.50	0.51	0.51	0.52	2.36%
Liquefied Petroleum Gas	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.29	0.29	0.30	0.30	0.31	0.31	0.32	0.32	0.32	0.33	0.33	0.34	0.34	0.34	0.34	0.34	0.35	0.35	1.13%
Motor Gasoline 2/	2.43	2.46	2.51	2.54	2.57	2.61	2.64	2.67	2.70	2.73	2.76	2.79	2.82	2.84	2.86	2.88	2.89	2.90	2.92	2.93	2.94	2.95	2.96	2.97	2.98	0.86%
Petrochemical Feedstocks	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	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.69%
Residual Fuel	0.06	0.06	0.05	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-1.44%
Other Petroleum 13/	0.71	0.71	0.70	0.75	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.83	0.84	0.84	0.85	0.86	0.86	0.86	0.87	0.88	0.87	0.88	0.89	0.89	0.98%
Petroleum Subtotal	4.98	5.07	5.12	5.23	5.30	5.38	5.46	5.52	5.59	5.66	5.75	5.80	5.87	5.93	5.98	6.02	6.07	6.08	6.11	6.14	6.16	6.18	6.21	6.23	6.25	0.95%
Natural Gas	4.05	4.16	4.35	4.50	4.42	4.40	4.46	4.57	4.56	4.65	4.73	4.78	4.90	5.01	5.09	5.14	5.25	5.33	5.32	5.44	5.49	5.56	5.66	5.68	5.73	1.44%
Metallurgical Coal	0.31	0.31	0.31	0.31	0.30	0.30	0.29	0.28	0.28	0.27	0.27	0.27	0.26	0.26	0.25	0.25	0.25	0.24	0.24	0.24	0.23	0.23	0.22	0.22	0.22	-1.46%
Steam Coal	4.57	4.63	4.69	4.68	4.75	4.94	4.93	4.97	5.03	5.09	5.16	5.22	5.26	5.28	5.28	5.33	5.35	5.33	5.36	5.39	5.43	5.47	5.50	5.52	5.52	0.79%
Net Coal Coke Imports	0.00	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	N/A
Coal Subtotal	4.88	4.96	5.02	5.01	5.07	5.26	5.24	5.28	5.34	5.40	5.46	5.52	5.56	5.57	5.57	5.62	5.64	5.62	5.64	5.64	5.67	5.71	5.74	5.77	5.79	0.71%
Nuclear Power	1.36	1.31	1.38	1.45	1.46	1.38	1.40	1.28	1.28	1.24	1.16	1.16	1.11	1.07	1.07	1.03	1.03	1.00	1.00	0.92	0.93	0.90	0.78	0.78	0.78	-2.32%
Renewable Energy 18/	0.51	0.53	0.53	0.54	0.55	0.56	0.57	0.58	0.60	0.61	0.62	0.64	0.65	0.66	0.67	0.68	0.69	0.70	0.71	0.71	0.72	0.72	0.73	0.73	0.73	1.52%
Methanol 12/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	20.28%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.32%
Electricity Imports 17/	0.01	0.02	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	3.20%
Total	15.80	16.05	16.41	16.74	16.82	17.00	17.15	17.27	17.39	17.59	17.76	17.93	18.11	18.28	18.42	18.52	18.71	18.77	18.82	18.90	19.02	19.12	19.16	19.25	19.32	0.84%
Energy Use & Related Statistics																										
Delivered Energy Use	11.84	11.89	12.17	12.42	12.54	12.66	12.80	12.90	13.04	13.16	13.31	13.43	13.57	13.68	13.79	13.87	13.98	14.02	14.06	14.12	14.18	14.21	14.25	14.29	14.32	0.79%
Total Energy Use	15.80	16.05	16.42	16.75	16.82	17.01	17.16	17.27	17.40	17.59	17.76	17.94	18.12	18.28	18.42	18.53	18.71	18.77	18.82	18.90	19.02	19.12	19.17	19.25	19.32	0.84%
Population (millions)	43.72	43.96	44.20	44.43	44.66	44.90	45.12	45.31	45.52	45.72	45.93	46.14	46.32	46.50	46.68	46.86	47.03	47.20	47.37	47.53	47.69	47.83	47.96	48.08	48.20	0.41%
US GDP (billion 1992 dollars)	6928.40	7163.69	7332.27	7489.14	7652.77	7814.79	7972.42	8130.39	8312.05	8503.48	8693.91	8880.34	9072.87	9254.60	9431.22	9600.07	9774.09	9931.70	10073.1	10210.7	10347.8	10494.2	10635.3	10772.4	10899.7	2.00%
Total Carbon Emission (million metric ton)	1462.90	1493.24	1533.34	1557.47	1577.32	1607.17	1624.75	1643.51	1663.11	1688.76	1715.97	1739.76	1763.16	1784.13	1803.22	1822.67	1841.40	1854.69	1871.36	1888.33	1901.66	1918.48	1934.59	1947.59	1956.19	1.00%

1/ Includes wood used for residential heating. See Table A18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water heating.

2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.

3/ Includes commercial sector electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.

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; including 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.

Table 3. Energy Consumption by Sector and Source (Continued)

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

12/ Only M85 (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.

16/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, E85, wind, photovoltaic and solar thermal sources. Excludes cogeneration. Excludes net electricity imports.

17/ In 1996 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 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: EIA, Short-Term Energy Outlook, August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997).

1996 electric utility fuel consumption: EIA, Electric Power Annual 1996, Volume I,DOE/EIA-0348(96)/1 (Washington, DC, August 1997). 1996 nonutility consumption estimates: EIA Form 867, "Annual

Nonutility Power Producer Report." Other 1996 values: EIA, Short-Term EnergyOutlook August 1997. Online.<http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). Projections: EIA, AEO98

National Energy Modeling System run AEO98B.D100197A.

Table 4. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 04 - West North Central																									1996- 2020	
	1996	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	0.037	0.036	0.036	0.030	0.030	0.029	0.029	0.028	0.028	0.027	0.027	0.026	0.026	0.026	0.025	0.025	0.025	0.025	0.024	0.024	0.024	0.023	0.023	0.023	0.022	-2.0%
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2.4%
Liquefied Petroleum Gas	0.070	0.070	0.070	0.062	0.061	0.060	0.059	0.058	0.058	0.057	0.056	0.055	0.055	0.054	0.053	0.053	0.053	0.052	0.052	0.051	0.050	0.050	0.049	0.049	0.048	-1.6%
Petroleum Subtotal	0.108	0.107	0.107	0.093	0.092	0.090	0.089	0.088	0.086	0.085	0.084	0.083	0.082	0.081	0.080	0.079	0.079	0.078	0.077	0.076	0.075	0.074	0.073	0.073	0.072	-1.7%
Natural Gas	0.505	0.474	0.493	0.518	0.522	0.524	0.528	0.534	0.540	0.542	0.546	0.549	0.555	0.557	0.561	0.565	0.572	0.574	0.578	0.582	0.588	0.590	0.593	0.596	0.601	0.7%
Coal	0.005	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	-1.1%
Renewable Energy 1/	0.068	0.064	0.062	0.063	0.063	0.063	0.063	0.063	0.064	0.064	0.064	0.064	0.064	0.064	0.065	0.065	0.065	0.065	0.066	0.066	0.066	0.066	0.066	0.067	0.067	-0.1%
Electricity	0.274	0.269	0.283	0.289	0.297	0.304	0.307	0.310	0.314	0.317	0.320	0.324	0.328	0.332	0.336	0.340	0.345	0.348	0.352	0.357	0.362	0.365	0.369	0.374	0.379	1.4%
Delivered Energy	0.96	0.92	0.95	0.97	0.98	0.99	0.99	1.00	1.01	1.01	1.02	1.02	1.03	1.04	1.05	1.05	1.07	1.07	1.08	1.09	1.10	1.10	1.11	1.11	1.12	0.65%
Electricity Related Losses	0.75	0.77	0.84	0.86	0.87	0.90	0.90	0.91	0.92	0.91	0.92	0.92	0.92	0.92	0.93	0.92	0.93	0.93	0.94	0.93	0.94	0.95	0.96	0.97	0.98	1.10%
Total	1.71	1.69	1.79	1.82	1.85	1.89	1.89	1.91	1.92	1.93	1.93	1.94	1.96	1.96	1.97	1.98	1.99	2.00	2.01	2.01	2.04	2.04	2.06	2.08	2.10	0.86%
Commercial																										
Distillate Fuel	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-0.14%
Residual 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	0.00	-0.54%
Kerosene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.16%
Liquefied Petroleum Gas	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.62%
Motor Gasoline 2/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.30%
Petroleum Subtotal	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.11%
Natural Gas	0.35	0.34	0.35	0.35	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.35%
Coal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.62%
Renewable Energy 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	0.14%
Electricity	0.23	0.23	0.24	0.25	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	1.18%
Delivered Energy	0.62	0.62	0.64	0.65	0.65	0.66	0.66	0.67	0.67	0.68	0.69	0.69	0.70	0.70	0.71	0.71	0.72	0.72	0.72	0.73	0.73	0.73	0.73	0.73	0.73	0.66%
Electricity Related Losses	0.63	0.67	0.73	0.73	0.73	0.75	0.75	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.79	0.79	0.92%
Total	1.25	1.29	1.37	1.38	1.39	1.41	1.41	1.43	1.44	1.45	1.46	1.47	1.47	1.48	1.49	1.49	1.49	1.50	1.51	1.50	1.51	1.51	1.51	1.51	1.52	0.79%

Table 4. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 04 - West North Central																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Delivered Energy Consumption, All Sectors																										
Distillate Fuel	0.70	0.73	0.74	0.75	0.77	0.78	0.80	0.81	0.82	0.83	0.85	0.86	0.87	0.88	0.88	0.89	0.89	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.91	1.09%
Kerosene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87%
Jet Fuel 9/	0.16	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.28	2.32%
Liquefied Petroleum Gas ..	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18%
Motor Gasoline 2/	1.23	1.25	1.27	1.30	1.31	1.34	1.36	1.38	1.39	1.41	1.42	1.44	1.45	1.47	1.48	1.49	1.50	1.50	1.51	1.52	1.52	1.53	1.53	1.54	1.54	0.94%
Petrochemical Feedstocks	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.69%
Residual Fuel	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.46%
Other Petroleum 13/	0.27	0.27	0.26	0.28	0.28	0.29	0.29	0.30	0.30	0.31	0.31	0.31	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.35	1.12%
Petroleum Subtotal	2.58	2.64	2.67	2.72	2.76	2.81	2.86	2.90	2.94	2.98	3.02	3.06	3.10	3.13	3.16	3.18	3.21	3.22	3.24	3.25	3.26	3.28	3.29	3.31	3.32	1.05%
Natural Gas 6/	1.54	1.50	1.58	1.64	1.65	1.68	1.69	1.71	1.73	1.75	1.76	1.77	1.79	1.79	1.84	1.81	1.84	1.87	1.84	1.88	1.88	1.87	1.91	1.89	1.89	0.84%
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	0.00	N/A
Steam Coal	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.83%
Net Coal Coke 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	0.00	N/A
Coal Subtotal	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.83%
Renewable Energy 14/ ...	0.18	0.18	0.18	0.19	0.19	0.19	0.20	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.24	1.09%
Methanol 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	20.45%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.54%
Electricity	0.76	0.76	0.79	0.80	0.81	0.83	0.84	0.85	0.86	0.87	0.89	0.90	0.91	0.92	0.93	0.95	0.96	0.96	0.97	0.98	0.99	1.00	1.01	1.02	1.02	1.27%
Delivered Energy	5.30	5.31	5.46	5.58	5.65	5.75	5.83	5.90	5.99	6.06	6.14	6.21	6.28	6.34	6.38	6.48	6.49	6.54	6.59	6.59	6.66	6.68	6.70	6.76	6.76	1.02%
Electricity Related Losses	2.08	2.18	2.34	2.37	2.38	2.46	2.45	2.49	2.52	2.52	2.53	2.55	2.56	2.57	2.57	2.56	2.57	2.58	2.59	2.56	2.58	2.59	2.61	2.63	2.63	1.02%
Total	7.38	7.50	7.80	7.94	8.03	8.22	8.28	8.39	8.51	8.59	8.68	8.76	8.84	8.91	8.96	9.04	9.06	9.12	9.18	9.14	9.24	9.27	9.31	9.39	9.41	1.02%
Electric Generators 15/																										
Distillate Fuel	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-1.65%
Residual Fuel	0.00	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	0.00	-15.5%
Petroleum Subtotal	0.01	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-3.07%
Natural Gas	0.04	0.07	0.06	0.07	0.10	0.09	0.10	0.12	0.16	0.19	0.20	0.21	0.22	0.23	0.25	0.28	0.29	0.29	0.32	0.37	0.39	0.39	0.40	0.41	0.43	10.34%
Steam Coal	2.08	2.16	2.36	2.35	2.38	2.49	2.47	2.51	2.59	2.62	2.63	2.65	2.66	2.67	2.67	2.68	2.69	2.70	2.72	2.73	2.75	2.77	2.79	2.80	2.82	1.28%
Nuclear Power	0.42	0.40	0.42	0.44	0.44	0.44	0.45	0.44	0.36	0.35	0.35	0.35	0.35	0.35	0.34	0.31	0.31	0.30	0.27	0.18	0.18	0.18	0.19	0.18	0.18	-3.39%
Renewable Energy 16/ ...	0.22	0.22	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	0.25	0.25	0.25	0.24	0.24	0.24	0.38%
Electricity Imports 17/ ...	0.07	0.06	0.07	0.09	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-23.4%
Total	2.84	2.94	3.13	3.16	3.19	3.29	3.29	3.34	3.38	3.40	3.42	3.45	3.47	3.49	3.50	3.51	3.53	3.55	3.56	3.54	3.57	3.59	3.62	3.65	3.68	1.09%

Table 4. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 04 - West North Central																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Total Energy Consumption																										
Distillate Fuel	0.71	0.75	0.75	0.76	0.77	0.79	0.80	0.82	0.83	0.84	0.85	0.86	0.87	0.88	0.89	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.91	0.92	0.92	1.07%
Kerosene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87%
Jet Fuel 9/	0.16	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.28	2.32%
Liquefied Petroleum Gas .	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18%
Motor Gasoline 2/	1.23	1.25	1.27	1.30	1.31	1.34	1.36	1.38	1.39	1.41	1.42	1.44	1.45	1.47	1.48	1.49	1.50	1.50	1.51	1.52	1.52	1.53	1.53	1.54	1.54	0.94%
Petrochemical Feedstocks	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.69%
Residual Fuel	0.02	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-1.39%
Other Petroleum 13/	0.27	0.27	0.26	0.28	0.28	0.29	0.29	0.30	0.30	0.31	0.31	0.31	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.35	0.35	1.12%
Petroleum Subtotal	2.60	2.67	2.69	2.73	2.77	2.82	2.86	2.90	2.95	2.99	3.03	3.06	3.10	3.14	3.17	3.19	3.21	3.23	3.24	3.26	3.27	3.28	3.30	3.31	3.32	1.03%
Natural Gas	1.58	1.57	1.64	1.71	1.75	1.78	1.79	1.83	1.89	1.94	1.97	1.98	2.00	2.02	2.04	2.12	2.10	2.13	2.19	2.21	2.27	2.28	2.28	2.32	2.31	1.59%
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	0.00	N/A
Steam Coal	2.31	2.39	2.59	2.58	2.62	2.73	2.71	2.76	2.84	2.88	2.89	2.92	2.93	2.94	2.95	2.95	2.97	2.98	3.00	3.00	3.02	3.05	3.06	3.08	3.10	1.24%
Net Coal Coke 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	0.00	N/A
Coal Subtotal	2.31	2.39	2.59	2.58	2.62	2.73	2.71	2.76	2.84	2.88	2.89	2.92	2.93	2.94	2.95	2.95	2.97	2.98	3.00	3.00	3.02	3.05	3.06	3.08	3.10	1.24%
Nuclear Power	0.42	0.40	0.42	0.44	0.44	0.44	0.45	0.44	0.36	0.35	0.35	0.35	0.35	0.35	0.34	0.31	0.31	0.30	0.27	0.18	0.18	0.18	0.19	0.18	0.18	-3.39%
Renewable Energy 18/	0.40	0.41	0.39	0.40	0.40	0.41	0.41	0.42	0.42	0.43	0.43	0.44	0.45	0.45	0.46	0.46	0.47	0.47	0.47	0.48	0.48	0.47	0.47	0.47	0.48	0.72%
Methanol 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	20.5%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.5%
Electricity Imports 17/	0.07	0.06	0.07	0.09	0.05	0.05	0.05	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-23.4%
Total	7.38	7.50	7.80	7.94	8.03	8.22	8.28	8.39	8.51	8.59	8.68	8.76	8.84	8.91	8.96	9.04	9.06	9.12	9.18	9.14	9.24	9.27	9.31	9.39	9.41	1.02%
Energy Use & Related Statistics																										
Delivered Energy Use	5.30	5.31	5.46	5.58	5.65	5.75	5.83	5.90	5.99	6.06	6.14	6.21	6.28	6.34	6.38	6.48	6.49	6.54	6.59	6.59	6.66	6.68	6.70	6.76	6.76	1.02%
Total Energy Use	7.38	7.50	7.80	7.94	8.03	8.22	8.28	8.39	8.51	8.59	8.68	8.76	8.84	8.91	8.96	9.04	9.06	9.12	9.18	9.14	9.24	9.27	9.30	9.39	9.41	1.02%
Population (millions)	18.52	18.67	18.83	18.98	19.13	19.27	19.41	19.55	19.68	19.80	19.92	20.06	20.19	20.33	20.45	20.57	20.68	20.78	20.87	20.97	21.07	21.17	21.26	21.36	21.45	0.61%
US GDP (billion 1992 dollars)	6928.40	7163.69	7332.27	7489.14	7652.77	7814.79	7972.42	8130.39	8312.05	8503.48	8693.91	8880.34	9072.87	9254.60	9431.22	9600.07	9774.09	9931.70	10073.1	10210.7	10347.8	10494.2	10635.3	10772.4	10899.7	2.00%
Total Carbon Emission (million metric tons)	1462.90	1493.24	1533.34	1557.47	1577.32	1607.17	1624.75	1643.51	1663.11	1688.76	1715.97	1739.76	1763.16	1784.13	1803.22	1822.67	1841.40	1854.69	1871.36	1888.33	1901.66	1918.48	1934.59	1947.59	1956.19	1.00%

1/ Includes wood used for residential heating. See Table A18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water heating.

2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.

3/ Includes commercial sector electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.

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; including 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.

Table 4. Energy Consumption by Sector and Source (Continued)

- 11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline(nonrenewable).
- 12/ Only M85 (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.
- 16/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, E85, wind, photovoltaic and solar thermal sources. Excludes cogeneration. Excludes net electricity imports.
- 17/ In 1996 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 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: EIA, Short-Term Energy Outlook, August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). 1996 electric utility fuel consumption: EIA, Electric Power Annual 1996, Volume I, DOE/EIA-0348(96)/1 (Washington, DC, August 1997). 1996 nonutility consumption estimates: EIA Form 867, "Annual Nonutility Power Producer Report." Other 1996 values: EIA, Short-Term Energy Outlook August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 5. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 05 - South Atlantic																									1996- 2020	
	1996	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	0.095	0.094	0.094	0.092	0.090	0.088	0.087	0.085	0.084	0.082	0.082	0.080	0.079	0.078	0.078	0.077	0.076	0.075	0.074	0.073	0.073	0.072	0.071	0.070	0.069	-1.3%
Kerosene	0.028	0.030	0.024	0.031	0.032	0.031	0.032	0.031	0.031	0.031	0.031	0.031	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.032	0.5%
Liquefied Petroleum Gas	0.084	0.083	0.084	0.086	0.087	0.087	0.088	0.088	0.089	0.089	0.089	0.090	0.090	0.091	0.091	0.091	0.092	0.093	0.093	0.093	0.093	0.093	0.094	0.094	0.094	0.5%
Petroleum Subtotal	0.208	0.208	0.202	0.210	0.209	0.207	0.206	0.205	0.205	0.202	0.202	0.201	0.201	0.200	0.200	0.200	0.200	0.199	0.198	0.198	0.198	0.197	0.196	0.195	0.195	-0.3%
Natural Gas	0.440	0.413	0.429	0.482	0.493	0.499	0.508	0.517	0.528	0.535	0.543	0.551	0.561	0.567	0.574	0.584	0.595	0.602	0.609	0.616	0.625	0.631	0.638	0.645	0.653	1.7%
Coal	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007	-0.3%
Renewable Energy 1/	0.106	0.096	0.101	0.101	0.102	0.103	0.103	0.103	0.104	0.104	0.105	0.105	0.106	0.106	0.107	0.107	0.108	0.108	0.109	0.109	0.110	0.110	0.110	0.111	0.111	0.2%
Electricity	0.868	0.851	0.897	0.924	0.955	0.981	0.998	1.015	1.033	1.050	1.069	1.087	1.109	1.125	1.144	1.165	1.189	1.205	1.224	1.242	1.264	1.279	1.297	1.316	1.337	1.8%
Delivered Energy	1.629	1.577	1.637	1.725	1.767	1.798	1.823	1.848	1.878	1.899	1.927	1.952	1.985	2.006	2.033	2.064	2.101	2.122	2.148	2.173	2.204	2.223	2.248	2.273	2.303	1.5%
Electricity Related Losses	1.707	1.675	1.763	1.779	1.867	1.914	1.941	1.959	1.977	2.033	2.066	2.107	2.150	2.167	2.205	2.226	2.248	2.256	2.236	2.216	2.232	2.25	2.283	2.296	2.318	1.3%
Total	3.336	3.252	3.400	3.504	3.634	3.713	3.764	3.807	3.855	3.932	3.993	4.059	4.135	4.173	4.238	4.290	4.349	4.377	4.384	4.388	4.436	4.474	4.533	4.569	4.621	1.4%
Commercial																										
Distillate Fuel	0.071	0.070	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.068	0.067	0.067	0.067	0.068	0.068	0.068	0.068	0.067	0.067	0.067	0.067	0.067	0.066	0.066	-0.3%
Residual Fuel	0.006	0.006	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	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.2%
Kerosene	0.007	0.007	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	0.008	0.008	0.008	0.008	0.008	0.008	0.5%
Liquefied Petroleum Gas ..	0.015	0.015	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.019	0.019	0.019	0.019	0.020	0.020	0.020	0.020	0.020	0.020	0.020	1.3%
Motor Gasoline 2/	0.003	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	-0.3%
Petroleum Subtotal	0.103	0.102	0.097	0.098	0.098	0.099	0.099	0.100	0.100	0.101	0.101	0.101	0.102	0.102	0.103	0.103	0.104	0.104	0.104	0.104	0.105	0.105	0.104	0.104	0.104	0.0%
Natural Gas	0.340	0.331	0.350	0.357	0.363	0.370	0.376	0.382	0.389	0.395	0.401	0.407	0.413	0.419	0.425	0.431	0.436	0.442	0.446	0.451	0.455	0.459	0.461	0.464	0.466	1.3%
Coal	0.014	0.014	0.015	0.015	0.015	0.016	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.017	0.018	0.018	0.018	0.018	0.019	0.019	0.019	0.019	0.019	0.019	0.019	1.3%
Renewable Energy 3/	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.6%
Electricity	0.72	0.73	0.75	0.76	0.78	0.79	0.80	0.81	0.83	0.84	0.85	0.87	0.88	0.89	0.90	0.92	0.93	0.95	0.96	0.97	0.98	0.99	1.00	1.00	1.01	1.42%
Delivered Energy	1.18	1.18	1.21	1.23	1.25	1.27	1.29	1.31	1.33	1.35	1.37	1.39	1.41	1.43	1.45	1.47	1.49	1.51	1.53	1.54	1.56	1.57	1.58	1.59	1.60	1.29%
Electricity Related Losses	1.42	1.44	1.48	1.47	1.52	1.54	1.56	1.57	1.58	1.63	1.65	1.68	1.70	1.72	1.74	1.75	1.76	1.77	1.75	1.73	1.73	1.74	1.76	1.75	1.75	0.89%
Total	2.59	2.61	2.69	2.71	2.77	2.82	2.85	2.88	2.91	2.98	3.02	3.07	3.11	3.15	3.19	3.23	3.25	3.28	3.28	3.27	3.29	3.31	3.34	3.34	3.35	1.07%

Table 5. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 05 - South Atlantic																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Delivered Energy Consumption, All Sectors																										
Distillate Fuel	1.04	1.09	1.11	1.13	1.15	1.17	1.19	1.21	1.23	1.25	1.27	1.29	1.31	1.32	1.34	1.35	1.37	1.38	1.38	1.39	1.40	1.41	1.42	1.43	1.44	1.37%
Kerosene	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.40%
Jet Fuel 9/	0.39	0.40	0.40	0.44	0.45	0.47	0.48	0.49	0.51	0.53	0.55	0.56	0.58	0.60	0.62	0.63	0.65	0.66	0.68	0.69	0.71	0.72	0.73	0.75	0.76	2.78%
Liquefied Petroleum Gas ..	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	1.39%
Motor Gasoline 2/	2.87	2.91	2.97	3.02	3.06	3.12	3.17	3.22	3.27	3.32	3.37	3.41	3.46	3.50	3.55	3.57	3.60	3.64	3.67	3.70	3.72	3.75	3.78	3.81	3.84	1.23%
Petrochemical Feedstocks ..	0.16	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	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.73%
Residual Fuel	0.22	0.22	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.30	0.30	0.30	0.31	0.31	1.36%
Other Petroleum 13/	0.43	0.44	0.44	0.44	0.45	0.44	0.45	0.45	0.46	0.47	0.48	0.48	0.49	0.50	0.50	0.51	0.51	0.52	0.52	0.52	0.52	0.53	0.53	0.54	0.54	1.01%
Petroleum Subtotal	5.31	5.43	5.50	5.63	5.72	5.81	5.92	6.01	6.12	6.22	6.33	6.43	6.53	6.63	6.72	6.79	6.87	6.93	6.99	7.05	7.11	7.17	7.24	7.30	7.35	1.36%
Natural Gas 6/	1.59	1.57	1.62	1.69	1.71	1.73	1.75	1.77	1.80	1.82	1.85	1.87	1.90	1.92	1.94	1.97	1.99	2.01	2.02	2.03	2.04	2.06	2.07	2.08	2.09	1.14%
Metallurgical Coal	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	-1.40%
Steam Coal	0.38	0.38	0.38	0.39	0.39	0.40	0.40	0.41	0.41	0.42	0.42	0.42	0.43	0.43	0.43	0.43	0.44	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.49%
Net Coal Coke Imports ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	N/A
Coal Subtotal	0.46	0.45	0.46	0.46	0.46	0.47	0.48	0.48	0.49	0.49	0.49	0.49	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.49	0.49	0.31%
Renewable Energy 14/ ...	0.45	0.45	0.45	0.45	0.46	0.46	0.47	0.47	0.47	0.48	0.49	0.49	0.50	0.50	0.51	0.51	0.52	0.52	0.52	0.53	0.53	0.53	0.53	0.53	0.53	0.69%
Methanol 12/	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	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	20.74%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.90%
Electricity	2.14	2.15	2.22	2.28	2.33	2.38	2.42	2.46	2.51	2.55	2.60	2.65	2.69	2.74	2.78	2.83	2.88	2.92	2.96	2.99	3.03	3.07	3.10	3.14	3.17	1.65%
Delivered Energy	9.96	10.04	10.26	10.51	10.68	10.86	11.04	11.20	11.39	11.57	11.76	11.94	12.13	12.30	12.47	12.62	12.78	12.90	13.01	13.12	13.23	13.35	13.46	13.57	13.67	1.33%
Electricity Related Losses	4.21	4.22	4.36	4.38	4.55	4.64	4.71	4.75	4.80	4.94	5.03	5.13	5.22	5.28	5.36	5.41	5.45	5.46	5.40	5.34	5.36	5.40	5.47	5.47	5.50	1.12%
Total	14.17	14.27	14.62	14.89	15.23	15.50	15.75	15.95	16.19	16.51	16.79	17.07	17.35	17.57	17.83	18.03	18.23	18.36	18.41	18.47	18.59	18.75	18.92	19.04	19.17	1.27%
Electric Generators 15/																										
Distillate Fuel	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-0.96%
Residual Fuel	0.26	0.28	0.20	0.18	0.19	0.16	0.17	0.12	0.10	0.10	0.11	0.09	0.09	0.10	0.10	0.09	0.11	0.10	0.08	0.09	0.08	0.07	0.06	0.07	0.07	-5.28%
Petroleum Subtotal	0.29	0.30	0.23	0.21	0.20	0.18	0.19	0.14	0.12	0.12	0.13	0.11	0.11	0.12	0.12	0.11	0.13	0.12	0.10	0.11	0.10	0.09	0.08	0.09	0.09	-4.67%
Natural Gas	0.36	0.33	0.34	0.43	0.50	0.57	0.65	0.71	0.83	0.92	1.00	1.09	1.17	1.25	1.32	1.40	1.47	1.64	1.72	1.78	1.83	1.99	2.07	2.16	2.22	7.87%
Steam Coal	3.74	3.85	4.08	4.00	4.15	4.24	4.25	4.30	4.29	4.40	4.44	4.52	4.58	4.59	4.68	4.74	4.80	4.87	4.95	5.07	5.13	5.25	5.34	5.37	5.36	1.50%
Nuclear Power	1.75	1.67	1.75	1.83	1.83	1.84	1.84	1.87	1.87	1.87	1.86	1.86	1.86	1.85	1.83	1.79	1.73	1.56	1.38	1.19	1.13	0.94	0.88	0.81	0.80	-3.19%
Renewable Energy 16/ ...	0.21	0.21	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	-0.34%
Electricity Imports 17/ ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	6.36	6.37	6.58	6.66	6.88	7.02	7.13	7.22	7.31	7.50	7.63	7.77	7.92	8.01	8.15	8.24	8.33	8.39	8.36	8.34	8.39	8.46	8.57	8.61	8.67	1.30%

Table 5. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 05 - South Atlantic																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Total Energy Consumption																										
Distillate Fuel	1.06	1.12	1.13	1.15	1.17	1.19	1.21	1.23	1.25	1.27	1.29	1.31	1.33	1.34	1.36	1.37	1.39	1.40	1.40	1.41	1.42	1.43	1.44	1.45	1.46	1.33%
Kerosene	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.40%
Jet Fuel 9/	0.39	0.40	0.40	0.44	0.45	0.47	0.48	0.49	0.51	0.53	0.55	0.56	0.58	0.60	0.62	0.63	0.65	0.66	0.68	0.69	0.71	0.72	0.73	0.75	0.76	2.78%
Liquefied Petroleum Gas ..	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	1.39%
Motor Gasoline 2/	2.87	2.91	2.97	3.02	3.06	3.12	3.17	3.22	3.27	3.32	3.37	3.41	3.46	3.50	3.55	3.57	3.60	3.64	3.67	3.70	3.72	3.75	3.78	3.81	3.84	1.23%
Petrochemical Feedstocks	0.16	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	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.73%
Residual Fuel	0.49	0.49	0.42	0.41	0.41	0.39	0.41	0.36	0.35	0.35	0.36	0.35	0.36	0.37	0.38	0.37	0.39	0.38	0.37	0.38	0.38	0.37	0.37	0.37	0.38	-1.01%
Other Petroleum 13/	0.43	0.44	0.44	0.44	0.45	0.44	0.45	0.45	0.46	0.47	0.48	0.48	0.49	0.50	0.50	0.51	0.51	0.52	0.52	0.52	0.53	0.53	0.54	0.54	0.55	1.01%
Petroleum Subtotal	5.60	5.73	5.73	5.84	5.92	6.00	6.11	6.15	6.24	6.33	6.46	6.54	6.64	6.75	6.84	6.90	6.99	7.04	7.09	7.16	7.22	7.26	7.32	7.39	7.45	1.19%
Natural Gas	1.95	1.90	1.97	2.12	2.21	2.30	2.40	2.49	2.63	2.74	2.85	2.96	3.07	3.17	3.26	3.36	3.46	3.64	3.74	3.80	3.86	4.04	4.13	4.23	4.31	3.35%
Metallurgical Coal	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	-1.40%
Steam Coal	4.13	4.23	4.46	4.38	4.54	4.64	4.66	4.71	4.70	4.81	4.86	4.94	5.01	5.02	5.11	5.18	5.24	5.31	5.39	5.51	5.56	5.68	5.77	5.80	5.79	1.42%
Net Coal Coke Imports ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	N/A
Coal Subtotal	4.20	4.31	4.53	4.46	4.61	4.71	4.73	4.78	4.78	4.88	4.93	5.01	5.08	5.09	5.18	5.24	5.30	5.38	5.45	5.57	5.63	5.75	5.83	5.86	5.85	1.39%
Nuclear Power	1.75	1.67	1.75	1.83	1.83	1.84	1.84	1.87	1.87	1.87	1.86	1.86	1.86	1.85	1.83	1.79	1.73	1.56	1.38	1.19	1.13	0.94	0.88	0.81	0.80	-3.19%
Renewable Energy 18/ ...	0.67	0.66	0.64	0.65	0.65	0.66	0.66	0.66	0.67	0.68	0.68	0.69	0.70	0.70	0.71	0.71	0.72	0.72	0.72	0.72	0.72	0.73	0.73	0.73	0.73	0.38%
Methanol 12/	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	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	20.74%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.90%
Electricity Imports 17/ ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	14.17	14.27	14.62	14.89	15.23	15.50	15.75	15.95	16.19	16.51	16.79	17.07	17.35	17.57	17.83	18.03	18.23	18.36	18.41	18.47	18.59	18.75	18.92	19.04	19.17	1.27%
Energy Use & Related Statistics																										
Delivered Energy Use	9.96	10.04	10.26	10.51	10.68	10.86	11.04	11.20	11.39	11.57	11.76	11.94	12.13	12.30	12.47	12.62	12.78	12.90	13.01	13.12	13.23	13.35	13.46	13.57	13.67	1.33%
Total Energy Use	14.17	14.27	14.62	14.89	15.23	15.50	15.74	15.95	16.18	16.51	16.78	17.06	17.34	17.57	17.82	18.03	18.22	18.35	18.41	18.46	18.58	18.74	18.91	19.03	19.16	1.26%
Population (millions)	47.78	48.38	48.96	49.54	50.11	50.67	51.25	51.82	52.39	52.97	53.55	54.14	54.75	55.39	56.03	56.68	57.36	58.06	58.77	59.48	60.21	60.93	61.67	62.41	63.15	1.17%
US GDP (billion 1992 dollars)	6928.40	7163.69	7332.27	7489.14	7652.77	7814.79	7972.42	8130.39	8312.05	8503.48	8693.91	8880.34	9072.87	9254.60	9431.22	9600.07	9774.09	9931.70	10073.1	10210.7	10347.8	10494.2	10635.3	10772.4	10899.7	2.00%
Total Carbon Emission (million metric ton)	1462.90	1493.24	1533.34	1557.47	1577.32	1607.17	1624.75	1643.51	1663.11	1688.76	1715.97	1739.76	1763.16	1784.13	1803.22	1822.67	1841.40	1854.69	1871.36	1888.33	1901.66	1918.48	1934.59	1947.59	1956.19	1.00%

1/ Includes wood used for residential heating. See Table A18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water heating.

2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.

3/ Includes commercial sector electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.

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; including 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.

Table 5. Energy Consumption by Sector and Source (Continued)

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

12/ Only M85 (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.

16/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, E85, wind, photovoltaic and solar thermal sources. Excludes cogeneration. Excludes net electricity imports.

17/ In 1996 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 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: EIA, Short-Term Energy Outlook, August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997).

1996 electric utility fuel consumption: EIA, Electric Power Annual 1996, Volume I, DOE/EIA-0348(96)/1 (Washington, DC, August 1997). 1996 nonutility consumption estimates: EIA Form 867, "Annual

Nonutility Power Producer Report." Other 1996 values: EIA, Short-Term Energy Outlook August 1997. Online.<http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). Projections: EIA, AEO98

National Energy Modeling System run AEO98B.D100197A.

Table 6. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 06 - East South Central																									1996- 2020	
	1996	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	0.007	0.007	0.007	0.006	0.006	0.006	0.006	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.5%
Kerosene	0.006	0.007	0.005	0.005	0.005	0.005	0.005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.0%
Liquefied Petroleum Gas	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.7%
Petroleum Subtotal	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.4%
Natural Gas	0.22	0.21	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.9%
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	0.00	-0.2%
Renewable Energy 1/	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.3%
Electricity	0.33	0.32	0.34	0.32	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.36	0.37	0.37	0.38	0.39	0.39	0.39	0.40	0.40	0.41	0.41	0.42	0.42	0.43	1.1%
Delivered Energy	0.65	0.63	0.65	0.65	0.67	0.68	0.68	0.69	0.70	0.71	0.71	0.72	0.73	0.74	0.74	0.75	0.76	0.77	0.77	0.78	0.79	0.80	0.80	0.81	0.82	0.9%
Electricity Related Losses	0.87	0.84	0.86	0.82	0.83	0.83	0.82	0.81	0.79	0.75	0.74	0.73	0.72	0.71	0.70	0.69	0.68	0.66	0.66	0.65	0.64	0.60	0.58	0.58	0.58	-1.7%
Total	1.52	1.47	1.52	1.48	1.50	1.51	1.50	1.50	1.49	1.46	1.45	1.45	1.45	1.44	1.44	1.44	1.44	1.43	1.43	1.43	1.43	1.40	1.38	1.39	1.39	-0.4%
Commercial																										
Distillate Fuel	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-0.4%
Residual 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	0.00	-0.2%
Kerosene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1%
Liquefied Petroleum Gas	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.9%
Motor Gasoline 2/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.3%
Petroleum Subtotal	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-0.0%
Natural Gas	0.15	0.15	0.16	0.16	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	0.18	0.18	0.18	0.7%
Coal	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.9%
Renewable Energy 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
Electricity	0.14	0.15	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.26	2.4%
Delivered Energy	0.33	0.33	0.35	0.36	0.37	0.38	0.38	0.39	0.40	0.40	0.41	0.42	0.43	0.43	0.44	0.44	0.45	0.46	0.46	0.47	0.47	0.47	0.47	0.48	0.48	1.5%
Electricity Related Losses	0.39	0.39	0.42	0.43	0.44	0.44	0.44	0.44	0.44	0.42	0.42	0.42	0.42	0.42	0.41	0.41	0.41	0.40	0.40	0.40	0.39	0.37	0.36	0.35	0.35	-0.4%
Total	0.72	0.72	0.77	0.79	0.81	0.81	0.82	0.83	0.83	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.86	0.86	0.86	0.87	0.86	0.84	0.83	0.83	0.82	0.6%

Table 6. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 06 - East South Central																									1996- 2020	
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Delivered Energy Consumption, All Sectors																										
Distillate Fuel	0.58	0.62	0.63	0.64	0.65	0.66	0.68	0.69	0.70	0.71	0.72	0.73	0.74	0.74	0.75	0.76	0.76	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.78	1.2%
Kerosene	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.8%
Jet Fuel 9/	0.13	0.13	0.13	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.23	0.23	0.23	0.24	0.24	2.6%
Liquefied Petroleum Gas ..	0.08	0.08	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	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	1.2%
Motor Gasoline 2/	1.06	1.08	1.10	1.12	1.13	1.15	1.17	1.19	1.20	1.22	1.23	1.25	1.26	1.27	1.28	1.29	1.30	1.31	1.31	1.32	1.33	1.33	1.34	1.35	1.35	1.0%
Petrochemical Feedstocks	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	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	0.13	0.13	0.7%
Residual Fuel	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	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	1.7%
Other Petroleum 13/	0.32	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.39	0.39	0.39	0.39	0.40	0.9%
Petroleum Subtotal	2.34	2.40	2.43	2.48	2.52	2.56	2.60	2.64	2.68	2.72	2.76	2.80	2.83	2.87	2.90	2.92	2.95	2.97	2.98	3.00	3.02	3.03	3.05	3.07	3.09	1.2%
Natural Gas 6/	1.00	1.00	1.02	1.05	1.06	1.05	1.07	1.07	1.08	1.09	1.10	1.12	1.14	1.16	1.18	1.17	1.20	1.20	1.20	1.22	1.21	1.22	1.24	1.23	1.24	0.9%
Metallurgical Coal	0.12	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	-1.4%
Steam Coal	0.23	0.23	0.23	0.23	0.23	0.24	0.24	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	0.26	0.5%
Net Coal Coke Imports ...	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	N/A
Coal Subtotal	0.36	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.36	0.36	0.1%
Renewable Energy 14/ ...	0.26	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.9%
Methanol 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	20.6%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.7%
Electricity	0.92	0.93	0.96	0.97	0.99	1.01	1.03	1.05	1.07	1.09	1.11	1.13	1.15	1.17	1.19	1.22	1.24	1.25	1.26	1.28	1.29	1.31	1.32	1.33	1.34	1.6%
Delivered Energy	4.87	4.94	5.04	5.13	5.20	5.27	5.35	5.41	5.48	5.56	5.64	5.72	5.80	5.88	5.95	5.99	6.07	6.11	6.13	6.19	6.21	6.25	6.30	6.32	6.36	1.1%
Electricity Related Losses	2.46	2.44	2.48	2.49	2.49	2.48	2.46	2.45	2.41	2.31	2.28	2.27	2.24	2.21	2.19	2.17	2.15	2.10	2.08	2.06	2.02	1.90	1.85	1.83	1.81	-1.3%
Total	7.33	7.39	7.53	7.62	7.69	7.74	7.81	7.86	7.89	7.87	7.93	7.99	8.04	8.09	8.14	8.16	8.22	8.21	8.21	8.26	8.24	8.16	8.15	8.15	8.17	0.5%
Electric Generators 15/																										
Distillate 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	0.00	1.0%
Residual Fuel	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-16.8%
Petroleum Subtotal	0.02	0.01	0.02	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	-5.2%
Natural Gas	0.09	0.07	0.05	0.07	0.07	0.08	0.06	0.05	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-8.2%
Steam Coal	2.30	2.35	2.52	2.48	2.50	2.51	2.52	2.53	2.53	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.54	2.51	2.50	2.50	2.50	2.47	2.46	2.46	2.46	0.3%
Nuclear Power	0.69	0.66	0.61	0.64	0.64	0.64	0.64	0.65	0.65	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.54	0.46	0.42	0.42	0.41	-2.1%
Renewable Energy 16/ ...	0.28	0.28	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	-0.3%
Electricity Imports 17/ ...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	3.38	3.37	3.45	3.45	3.48	3.49	3.49	3.50	3.48	3.40	3.40	3.40	3.40	3.39	3.39	3.38	3.39	3.35	3.34	3.34	3.32	3.21	3.16	3.16	3.15	-0.3%

Table 6. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 06 - East South Central																									1996- 2020	
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Total Energy Consumption																										
Distillate Fuel	0.59	0.62	0.63	0.64	0.65	0.67	0.68	0.69	0.70	0.71	0.72	0.73	0.74	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.79	0.79	1.2%
Kerosene	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.8%
Jet Fuel 9/	0.13	0.13	0.13	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.23	0.23	0.23	0.24	0.24	2.6%
Liquefied Petroleum Gas .	0.08	0.08	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	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	1.2%
Motor Gasoline 2/	1.06	1.08	1.10	1.12	1.13	1.15	1.17	1.19	1.20	1.22	1.23	1.25	1.26	1.27	1.28	1.29	1.30	1.31	1.31	1.32	1.33	1.33	1.34	1.35	1.35	1.0%
Petrochemical Feedstocks	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	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	0.13	0.13	0.7%
Residual Fuel	0.06	0.05	0.06	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	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.6%
Other Petroleum 13/	0.32	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.39	0.39	0.39	0.39	0.40	0.9%
Petroleum Subtotal	2.36	2.41	2.45	2.49	2.52	2.57	2.61	2.65	2.69	2.72	2.77	2.80	2.84	2.88	2.91	2.93	2.96	2.97	2.99	3.01	3.02	3.04	3.06	3.08	3.09	1.1%
Natural Gas	1.09	1.07	1.07	1.12	1.14	1.13	1.13	1.12	1.11	1.11	1.12	1.15	1.16	1.17	1.19	1.18	1.21	1.21	1.21	1.24	1.22	1.24	1.25	1.24	1.25	0.6%
Metallurgical Coal	0.12	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	-1.4%
Steam Coal	2.53	2.58	2.75	2.72	2.73	2.74	2.77	2.77	2.78	2.79	2.79	2.80	2.79	2.80	2.80	2.80	2.80	2.77	2.76	2.76	2.76	2.73	2.72	2.72	2.72	0.3%
Net Coal Coke Imports . . .	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	N/A
Coal Subtotal	2.65	2.71	2.88	2.85	2.86	2.87	2.89	2.90	2.90	2.91	2.91	2.92	2.91	2.91	2.91	2.91	2.91	2.88	2.87	2.87	2.87	2.83	2.83	2.83	2.83	0.3%
Nuclear Power	0.69	0.66	0.61	0.64	0.64	0.64	0.64	0.65	0.65	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.54	0.46	0.42	0.42	0.41	-2.1%
Renewable Energy 18/	0.54	0.54	0.52	0.52	0.53	0.53	0.54	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.56	0.57	0.57	0.57	0.57	0.57	0.58	0.58	0.58	0.58	0.58	0.3%
Methanol 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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	20.6%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.7%
Electricity Imports 17/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	7.33	7.39	7.53	7.62	7.69	7.74	7.81	7.86	7.89	7.87	7.93	7.99	8.04	8.09	8.14	8.16	8.22	8.21	8.21	8.26	8.24	8.16	8.15	8.15	8.17	0.5%
Energy Use & Related Statistics																										
Delivered Energy Use	4.87	4.94	5.04	5.13	5.20	5.27	5.35	5.41	5.48	5.56	5.64	5.72	5.80	5.88	5.95	5.99	6.07	6.11	6.13	6.19	6.21	6.25	6.30	6.32	6.36	1.1%
Total Energy Use	7.33	7.39	7.52	7.61	7.69	7.74	7.80	7.85	7.89	7.87	7.93	7.99	8.04	8.09	8.14	8.16	8.22	8.20	8.21	8.25	8.23	8.16	8.14	8.14	8.16	0.5%
Population (millions)	16.24	16.35	16.46	16.56	16.66	16.76	16.86	16.96	17.06	17.16	17.26	17.36	17.46	17.55	17.65	17.75	17.85	17.96	18.06	18.16	18.27	18.37	18.47	18.57	18.67	0.6%
US GDP (billion 1992 dollars)	6928.40	7163.69	7332.27	7489.14	7652.77	7814.79	7972.42	8130.39	8312.05	8503.48	8693.91	8880.34	9072.87	9254.60	9431.22	9600.07	9774.09	9931.70	10073.1	10210.7	10347.8	10494.2	10635.3	10772.4	10899.7	1.9%
Total Carbon Emission (million metric ton)	1462.90	1493.24	1533.34	1557.47	1577.32	1607.17	1624.75	1643.51	1663.11	1688.76	1715.97	1739.76	1763.16	1784.13	1803.22	1822.67	1841.40	1854.69	1871.36	1888.33	1901.66	1918.48	1934.59	1947.59	1956.19	1.2%

1/ Includes wood used for residential heating. See Table A18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water heating.

2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.

3/ Includes commercial sector electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.

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; including 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.

Table 6. Energy Consumption by Sector and Source (Continued)

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

12/ Only M85 (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.

16/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, E85, wind, photovoltaic and solar thermal sources. Excludes cogeneration. Excludes net electricity imports.

17/ In 1996 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 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: EIA, Short-Term Energy Outlook, August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997).

1996 electric utility fuel consumption: EIA, Electric Power Annual 1996, Volume I, DOE/EIA-0348(96)/1 (Washington, DC, August 1997). 1996 nonutility consumption estimates: EIA Form 867, "Annual

Nonutility Power Producer Report." Other 1996 values: EIA, Short-Term Energy Outlook August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). Projections: EIA, AEO98

National Energy Modeling System run AEO98B.D100197A.

Table 7. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) Region 07 - West South Central																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996- 2020
Total Energy Consumption																										
Distillate Fuel	1.019	1.081	1.101	1.123	1.146	1.174	1.20	1.22	1.25	1.27	1.30	1.32	1.34	1.36	1.38	1.39	1.41	1.42	1.43	1.43	1.44	1.46	1.47	1.48	1.48	1.58%
Kerosene	0.002	0.002	0.002	0.002	0.002	0.002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23%
Jet Fuel 9/	0.753	0.765	0.775	0.866	0.894	0.924	0.96	0.99	1.03	1.06	1.11	1.14	1.18	1.22	1.26	1.29	1.32	1.35	1.38	1.41	1.44	1.47	1.50	1.53	1.55	3.06%
Liquefied Petroleum Gas .	1.722	1.735	1.723	1.730	1.755	1.772	1.79	1.81	1.82	1.85	1.88	1.90	1.93	1.95	1.97	1.99	2.01	2.01	2.01	2.02	2.02	2.03	2.03	2.04	2.04	0.71%
Motor Gasoline 2/	1.827	1.856	1.891	1.926	1.958	1.996	2.03	2.06	2.09	2.12	2.16	2.18	2.21	2.24	2.27	2.28	2.30	2.32	2.34	2.36	2.37	2.39	2.41	2.42	2.44	1.21%
Petrochemical Feedstocks	0.656	0.660	0.655	0.665	0.675	0.682	0.69	0.70	0.70	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.73%
Residual Fuel	0.301	0.526	0.327	0.299	0.307	0.318	0.33	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	2.20%
Other Petroleum 13/	1.302	1.316	1.312	1.350	1.360	1.378	1.40	1.41	1.42	1.44	1.47	1.47	1.48	1.51	1.51	1.52	1.56	1.53	1.54	1.56	1.58	1.56	1.57	1.58	1.59	0.84%
Petroleum Subtotal	7.582	7.940	7.788	7.959	8.096	8.245	8.40	8.53	8.67	8.82	9.00	9.13	9.28	9.44	9.56	9.67	9.80	9.85	9.93	10.02	10.10	10.16	10.24	10.33	10.39	1.32%
Natural Gas	6.618	6.389	6.664	6.827	6.864	6.913	7.02	7.07	7.11	7.23	7.30	7.43	7.54	7.66	7.75	7.84	7.95	8.03	8.03	8.09	8.11	8.21	8.28	8.31	8.38	0.99%
Metallurgical Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Steam Coal	2.355	2.375	2.492	2.495	2.560	2.586	2.59	2.59	2.58	2.58	2.69	2.71	2.71	2.71	2.71	2.70	2.68	2.67	2.67	2.64	2.63	2.60	2.61	2.62	2.59	0.40%
Net Coal Coke Imports ...	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Coal Subtotal	2.355	2.375	2.492	2.495	2.560	2.586	2.59	2.59	2.58	2.58	2.69	2.71	2.71	2.71	2.71	2.70	2.68	2.67	2.67	2.64	2.63	2.60	2.61	2.62	2.59	0.40%
Nuclear Power	0.620	0.593	0.625	0.658	0.665	0.672	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.61	0.61	0.61	0.61	0.55	0.54	0.54	-0.55%
Renewable Energy 18/ ...	0.383	0.397	0.388	0.395	0.400	0.405	0.41	0.41	0.42	0.42	0.43	0.43	0.44	0.44	0.45	0.45	0.46	0.46	0.46	0.46	0.47	0.47	0.48	0.48	0.48	0.96%
Methanol 12/	0.000	0.000	0.000	0.000	0.000	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	20.80%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.97%
Electricity Imports 17/ ...	-0.002	-0.002	-0.003	-0.003	-0.003	-0.003	-0.00	-0.00	-0.00	-0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	4.44%
Total	17.555	17.692	17.955	18.331	18.582	18.817	19.09	19.27	19.45	19.73	20.10	20.39	20.64	20.92	21.14	21.34	21.54	21.63	21.70	21.83	21.93	22.06	22.20	22.29	22.39	1.02%
Energy Use & Related Statistics																										
Delivered Energy Use	14.432	14.686	14.921	15.229	15.447	15.627	15.85	16.03	16.25	16.48	16.76	17.01	17.24	17.50	17.71	17.86	18.08	18.17	18.26	18.40	18.50	18.62	18.76	18.84	18.95	1.14%
Total Energy Use	17.552	17.688	17.951	18.327	18.578	18.813	19.09	19.26	19.45	19.73	20.09	20.38	20.64	20.91	21.13	21.33	21.53	21.62	21.69	21.82	21.92	22.05	22.19	22.28	22.38	1.02%
Population (millions)	29.387	29.748	30.098	30.444	30.784	31.120	31.46	31.80	32.14	32.49	32.84	33.20	33.56	33.92	34.29	34.66	35.03	35.41	35.78	36.16	36.54	36.92	37.30	37.68	38.07	1.08%
US GDP (billion 1992 dollars)	6928.396	7163.69	7332.27	7489.14	7652.77	7814.79	7972.42	8130.39	8312.05	8503.48	8693.91	8880.34	9072.87	9254.60	9431.22	9600.07	9774.09	9931.70	10073.1	10210.7	10347.8	10494.2	10635.3	10772.4	10899.7	2.00%
Total Carbon Emission (million metric ton)	1462.900	1493.24	1533.34	1557.47	1577.32	1607.17	1624.75	1643.51	1663.11	1688.76	1715.97	1739.76	1763.16	1784.13	1803.22	1822.67	1841.40	1854.69	1871.36	1888.33	1901.66	1918.48	1934.59	1947.59	1956.19	1.00%

1/ Includes wood used for residential heating. See Table A18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water heating.
2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.
3/ Includes commercial sector electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.
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; including 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.

Table 7. Energy Consumption by Sector and Source (Continued)

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

12/ Only M85 (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.

16/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, E85, wind, photovoltaic and solar thermal sources. Excludes cogeneration. Excludes net electricity imports.

17/ In 1996 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 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: EIA, Short-Term Energy Outlook, August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997).

1996 electric utility fuel consumption: EIA, Electric Power Annual 1996, Volume I, DOE/EIA-0348(96)/1 (Washington, DC, August 1997). 1996 nonutility consumption estimates: EIA Form 867, "Annual

Nonutility Power Producer Report." Other 1996 values: EIA, Short-Term Energy Outlook August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). Projections: EIA, AEO98

National Energy Modeling System run AEO98B.D100197A.

Table 8. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 08 - Mountain																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Energy Consumption																										
Residential																										
Distillate Fuel	0.006	0.006	0.006	0.008	0.008	0.008	0.008	0.008	0.008	0.007	0.007	0.007	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.008	0.8%
Kerosene	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	2.5%
Liquefied Petroleum Gas	0.021	0.021	0.021	0.024	0.025	0.025	0.026	0.026	0.027	0.027	0.027	0.028	0.028	0.029	0.029	0.030	0.030	0.030	0.031	0.031	0.032	0.032	0.032	0.033	0.033	1.9%
Petroleum Subtotal	0.028	0.028	0.028	0.032	0.033	0.033	0.034	0.034	0.035	0.035	0.035	0.036	0.036	0.037	0.037	0.038	0.039	0.039	0.039	0.040	0.040	0.040	0.041	0.041	0.041	1.6%
Natural Gas	0.303	0.284	0.295	0.340	0.349	0.353	0.359	0.364	0.371	0.375	0.380	0.385	0.391	0.396	0.401	0.407	0.415	0.419	0.426	0.433	0.440	0.444	0.450	0.455	0.460	1.8%
Coal	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	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	-0.6%
Renewable Energy 1/	0.030	0.031	0.032	0.032	0.032	0.033	0.033	0.033	0.033	0.034	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	0.038	1.1%
Electricity	0.207	0.203	0.214	0.224	0.233	0.241	0.246	0.250	0.255	0.260	0.265	0.270	0.276	0.282	0.288	0.294	0.301	0.306	0.312	0.318	0.325	0.330	0.336	0.342	0.350	2.2%
Delivered Energy	0.570	0.549	0.572	0.632	0.650	0.663	0.674	0.684	0.697	0.706	0.717	0.728	0.741	0.751	0.763	0.776	0.792	0.803	0.816	0.830	0.845	0.854	0.867	0.879	0.891	1.9%
Electricity Related Losses	0.782	0.742	0.775	0.797	0.792	0.809	0.812	0.814	0.818	0.825	0.836	0.843	0.852	0.864	0.876	0.926	0.929	0.966	1.033	1.066	1.093	1.097	1.13	1.143	1.168	1.7%
Total	1.352	1.291	1.347	1.428	1.442	1.472	1.486	1.499	1.515	1.531	1.553	1.571	1.593	1.615	1.639	1.702	1.721	1.769	1.850	1.896	1.938	1.951	1.998	2.022	2.059	1.8%
Commercial																										
Distillate Fuel	0.020	0.020	0.018	0.019	0.019	0.019	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.19%
Residual Fuel	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47%
Kerosene	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75%
Liquefied Petroleum Gas	0.004	0.004	0.004	0.004	0.004	0.004	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	1.67%
Motor Gasoline 2/	0.001	0.001	0.001	0.001	0.001	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.30%
Petroleum Subtotal	0.025	0.025	0.024	0.024	0.024	0.024	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.44%
Natural Gas	0.224	0.231	0.240	0.244	0.249	0.253	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.29	0.29	0.30	0.30	0.30	0.31	0.31	0.31	0.32	0.32	0.32	0.32	1.50%
Coal	0.006	0.006	0.006	0.006	0.006	0.006	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	1.67%
Renewable Energy 3/	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.230	0.231	0.239	0.245	0.252	0.257	0.26	0.27	0.27	0.28	0.29	0.29	0.30	0.30	0.31	0.32	0.32	0.33	0.34	0.34	0.35	0.35	0.35	0.36	0.36	1.91%
Delivered Energy	0.484	0.493	0.508	0.520	0.531	0.540	0.55	0.56	0.57	0.58	0.59	0.60	0.61	0.62	0.64	0.65	0.66	0.67	0.68	0.69	0.69	0.70	0.71	0.71	0.72	1.65%
Electricity Related Losses	0.867	0.843	0.865	0.874	0.855	0.862	0.87	0.87	0.88	0.89	0.90	0.91	0.92	0.94	0.95	1.00	1.00	1.04	1.11	1.14	1.16	1.16	1.19	1.20	1.21	1.39%
Total	1.351	1.335	1.374	1.394	1.386	1.403	1.42	1.43	1.45	1.47	1.50	1.51	1.53	1.56	1.58	1.65	1.66	1.71	1.79	1.83	1.85	1.86	1.90	1.91	1.92	1.49%

Table 8. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 08 - Mountain																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Total Energy Consumption																											
Distillate Fuel	0.445	0.472	0.480	0.493	0.501	0.515	0.52	0.53	0.54	0.56	0.57	0.58	0.59	0.59	0.60	0.61	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.65	0.65	1.61%	
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57%	
Jet Fuel 9/	0.196	0.200	0.202	0.220	0.225	0.231	0.24	0.24	0.25	0.26	0.27	0.28	0.29	0.30	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.35	0.36	0.36	0.37	2.66%	
Liquefied Petroleum Gas . .	0.061	0.061	0.063	0.058	0.059	0.061	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	1.57%	
Motor Gasoline 2/	0.916	0.930	0.948	0.971	0.992	1.016	1.04	1.06	1.07	1.09	1.11	1.13	1.15	1.17	1.18	1.19	1.21	1.22	1.23	1.25	1.26	1.27	1.28	1.29	1.31	1.49%	
Petrochemical Feedstocks	0.001	0.001	0.001	0.001	0.001	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64%	
Residual Fuel	0.007	0.007	0.007	0.008	0.008	0.008	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.44%	
Other Petroleum 13/	0.224	0.223	0.223	0.231	0.232	0.234	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.29	0.28	0.91%	
Petroleum Subtotal	1.851	1.895	1.925	1.983	2.019	2.066	2.10	2.15	2.19	2.23	2.28	2.32	2.36	2.40	2.44	2.47	2.50	2.53	2.56	2.59	2.61	2.64	2.66	2.69	2.70	1.59%	
Natural Gas	1.204	1.265	1.380	1.536	1.481	1.520	1.49	1.54	1.56	1.59	1.62	1.67	1.72	1.78	1.84	1.86	1.88	1.93	1.95	1.97	1.98	2.02	2.03	2.08	2.09	2.32%	
Metallurgical Coal.	0.007	0.004	0.002	0.001	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Steam Coal	2.376	2.284	2.304	2.306	2.300	2.347	2.39	2.40	2.42	2.46	2.50	2.51	2.53	2.54	2.56	2.71	2.72	2.82	3.01	3.09	3.14	3.15	3.23	3.24	3.29	1.36%	
Net Coal Coke Imports . . .	0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Coal Subtotal	2.383	2.288	2.306	2.307	2.301	2.347	2.39	2.40	2.42	2.46	2.50	2.51	2.53	2.54	2.56	2.71	2.72	2.82	3.01	3.09	3.14	3.15	3.23	3.24	3.29	1.35%	
Nuclear Power	0.275	0.264	0.280	0.296	0.299	0.301	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	0.40%	
Renewable Energy 18/	0.551	0.553	0.512	0.517	0.523	0.525	0.53	0.53	0.53	0.54	0.54	0.54	0.55	0.55	0.55	0.56	0.56	0.56	0.56	0.56	0.57	0.57	0.57	0.57	0.57	0.14%	
Methanol 12/	0.000	0.000	0.000	0.000	0.000	0.000	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	21.23%	
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.51%	
Electricity Imports 17/	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	6.265	6.265	6.403	6.641	6.623	6.759	6.82	6.92	7.00	7.12	7.25	7.35	7.46	7.58	7.70	7.90	7.98	8.15	8.38	8.52	8.61	8.69	8.80	8.89	8.96	1.50%	
Energy Use & Related Statistics																											
Delivered Energy Use	3.819	3.889	3.960	4.151	4.188	4.291	4.35	4.44	4.50	4.59	4.68	4.76	4.85	4.93	5.02	5.08	5.16	5.22	5.28	5.33	5.37	5.44	5.47	5.54	5.57	1.59%	
Total Energy Use	6.267	6.267	6.406	6.644	6.627	6.763	6.83	6.93	7.01	7.12	7.25	7.36	7.47	7.58	7.70	7.90	7.98	8.15	8.39	8.53	8.62	8.69	8.81	8.89	8.96	1.50%	
Population (millions)	16.185	16.512	16.818	17.122	17.414	17.698	17.97	18.24	18.51	18.77	19.04	19.31	19.60	19.92	20.25	20.60	20.95	21.29	21.63	21.98	22.33	22.69	23.05	23.41	23.77	1.61%	
US GDP (billion 1992 dollars)	6928.396	7163.69	7332.27	7489.14	7652.77	7814.79	7972.42	8130.39	8312.05	8503.48	8693.91	8880.34	9072.87	9254.60	9431.22	9600.07	9774.09	9931.70	10073.1	10210.7	10347.8	10494.2	10635.3	10772.4	10899.7	2.00%	
Total Carbon Emission (million metric ton)	1462.900	1493.24	1533.34	1557.47	1577.32	1607.17	1624.75	1643.51	1663.11	1688.76	1715.97	1739.76	1763.16	1784.13	1803.22	1822.67	1841.40	1854.69	1871.36	1888.33	1901.66	1918.48	1934.59	1947.59	1956.19	1.00%	

1/ Includes wood used for residential heating. See Table A18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water heating.
2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.
3/ Includes commercial sector electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.
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; including 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.

Table 8. Energy Consumption by Sector and Source (Continued)

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

12/ Only M85 (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.

16/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, E85, wind, photovoltaic and solar thermal sources. Excludes cogeneration. Excludes net electricity imports.

17/ In 1996 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 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: EIA, Short-Term Energy Outlook, August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997).

1996 electric utility fuel consumption: EIA, Electric Power Annual 1996, Volume I, DOE/EIA-0348(96)/1 (Washington, DC, August 1997). 1996 nonutility consumption estimates: EIA Form 867, "Annual

Nonutility Power Producer Report." Other 1996 values: EIA, Short-Term Energy Outlook August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). Projections: EIA, AEO98

National Energy Modeling System run AEO98B.D100197A.

Table 9. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 09 - Pacific																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Energy Consumption																										
Residential																										
Distillate Fuel	0.023	0.023	0.023	0.025	0.025	0.025	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.3%
Kerosene	0.001	0.001	0.001	0.001	0.001	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.8%
Liquefied Petroleum Gas	0.026	0.026	0.026	0.047	0.050	0.052	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	4.9%
Petroleum Subtotal	0.050	0.050	0.050	0.073	0.076	0.078	0.08	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	0.10	0.10	0.10	0.10	0.11	3.2%
Natural Gas	0.684	0.643	0.668	0.660	0.664	0.665	0.67	0.67	0.68	0.68	0.69	0.69	0.70	0.70	0.71	0.71	0.72	0.72	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.5%
Coal	0.005	0.005	0.005	0.006	0.006	0.006	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.4%
Renewable Energy 1/	0.089	0.095	0.101	0.101	0.102	0.102	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	0.11	0.7%
Electricity	0.435	0.427	0.450	0.458	0.473	0.484	0.49	0.49	0.50	0.50	0.51	0.52	0.52	0.53	0.54	0.54	0.55	0.56	0.57	0.57	0.58	0.59	0.60	0.60	0.61	1.4%
Delivered Energy	1.264	1.219	1.273	1.298	1.320	1.335	1.35	1.35	1.37	1.38	1.39	1.40	1.42	1.43	1.45	1.46	1.48	1.49	1.51	1.52	1.54	1.55	1.57	1.58	1.60	1.0%
Electricity Related Losses	0.824	0.781	0.798	0.829	0.887	0.913	0.90	0.91	0.91	0.93	0.94	0.94	0.96	0.96	0.98	0.94	0.97	0.93	0.88	0.87	0.86	0.89	0.89	0.89	0.90	0.4%
Total	2.088	2.000	2.071	2.126	2.207	2.248	2.24	2.26	2.28	2.31	2.33	2.34	2.38	2.39	2.42	2.40	2.45	2.42	2.38	2.40	2.41	2.45	2.45	2.47	2.50	0.7%
Commercial																										
Distillate Fuel	0.023	0.024	0.022	0.022	0.022	0.022	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-0.1%
Residual Fuel	0.003	0.003	0.002	0.003	0.003	0.003	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.2%
Kerosene	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.1%
Liquefied Petroleum Gas	0.005	0.005	0.005	0.005	0.005	0.005	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	0.9%
Motor Gasoline 2/	0.002	0.002	0.002	0.002	0.002	0.002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.3%
Petroleum Subtotal	0.033	0.034	0.031	0.031	0.032	0.032	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.0%
Natural Gas	0.398	0.406	0.419	0.421	0.424	0.428	0.43	0.44	0.44	0.44	0.45	0.45	0.45	0.46	0.46	0.47	0.47	0.47	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.8%
Coal	0.009	0.009	0.009	0.009	0.009	0.010	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.9%
Renewable Energy 3/	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.5%
Electricity	0.466	0.463	0.467	0.473	0.480	0.487	0.49	0.50	0.51	0.51	0.52	0.53	0.53	0.54	0.55	0.55	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.59	0.59	1.0%
Delivered Energy	0.905	0.911	0.926	0.935	0.945	0.956	0.97	0.98	0.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.09	1.10	1.11	1.11	1.12	1.12	1.12	0.9%
Electricity Related Losses	0.883	0.846	0.829	0.856	0.900	0.917	0.91	0.92	0.92	0.95	0.96	0.96	0.98	0.98	1.00	0.96	0.98	0.95	0.89	0.88	0.86	0.89	0.88	0.88	0.87	-0.0%
Total	1.788	1.757	1.754	1.791	1.846	1.873	1.87	1.90	1.91	1.95	1.97	1.98	2.01	2.03	2.05	2.02	2.06	2.03	1.98	1.98	1.97	2.00	1.99	1.99	1.99	0.5%

Table 9. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) 09 - Pacific																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Total Energy Consumption																										
Distillate Fuel	0.682	0.726	0.738	0.758	0.769	0.787	0.80	0.81	0.83	0.84	0.86	0.87	0.89	0.90	0.91	0.92	0.93	0.93	0.94	0.94	0.95	0.95	0.96	0.96	0.97	1.5%
Kerosene	0.002	0.002	0.002	0.001	0.001	0.001	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.7%
Jet Fuel 9/	0.884	0.898	0.909	1.010	1.041	1.074	1.11	1.15	1.19	1.22	1.27	1.31	1.35	1.40	1.44	1.47	1.51	1.54	1.57	1.60	1.64	1.67	1.70	1.72	1.75	2.9%
Liquefied Petroleum Gas	0.075	0.075	0.077	0.089	0.093	0.097	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.17	3.3%
Motor Gasoline 2/	2.262	2.297	2.341	2.385	2.425	2.473	2.52	2.56	2.60	2.63	2.67	2.71	2.75	2.79	2.82	2.84	2.87	2.89	2.91	2.94	2.95	2.98	3.00	3.02	3.04	1.2%
Petrochemical Feedstocks	0.024	0.025	0.025	0.025	0.025	0.026	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.6%
Residual Fuel	0.489	0.457	0.464	0.481	0.495	0.510	0.52	0.53	0.55	0.56	0.58	0.60	0.61	0.63	0.64	0.66	0.67	0.69	0.70	0.71	0.74	0.74	0.76	0.76	0.79	2.0%
Other Petroleum 13/	0.664	0.667	0.666	0.685	0.674	0.679	0.69	0.69	0.69	0.70	0.71	0.71	0.72	0.72	0.72	0.69	0.74	0.74	0.74	0.76	0.75	0.74	0.75	0.76	0.72	0.3%
Petroleum Subtotal	5.083	5.147	5.223	5.435	5.524	5.647	5.76	5.87	5.99	6.11	6.25	6.36	6.47	6.59	6.69	6.76	6.89	6.96	7.04	7.13	7.21	7.27	7.35	7.43	7.46	1.6%
Natural Gas	3.009	3.014	3.282	3.387	3.399	3.459	3.51	3.60	3.64	3.67	3.76	3.85	3.94	4.00	4.06	4.00	4.08	4.05	4.05	4.02	4.00	4.08	4.05	4.10	4.10	1.3%
Metallurgical Coal	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.221	0.164	0.218	0.220	0.217	0.218	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.22	0.22	0.23	0.22	0.23	0.22	0.22	0.22	0.1%
Net Coal Coke Imports	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Coal Subtotal	0.221	0.164	0.218	0.220	0.217	0.218	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.22	0.22	0.23	0.22	0.23	0.22	0.22	0.22	0.1%
Nuclear Power	0.390	0.374	0.395	0.417	0.421	0.425	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	0.26	0.26	0.26	0.26	0.26	0.26	-1.7%
Renewable Energy 18/	2.943	2.970	2.770	2.802	2.857	2.877	2.87	2.90	2.91	2.97	2.99	2.99	3.02	3.03	3.05	3.05	3.09	3.05	3.06	3.11	3.10	3.14	3.16	3.14	3.16	0.3%
Methanol 12/	0.000	0.000	0.000	0.001	0.001	0.001	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	20.8%
Liquid Hydrogen	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.0%
Electricity Imports 17/	0.027	-0.001	-0.014	-0.053	0.077	0.101	0.08	0.05	0.06	0.10	0.08	0.06	0.05	0.06	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	4.5%
Total	11.673	11.668	11.874	12.209	12.497	12.728	12.87	13.06	13.25	13.50	13.73	13.93	14.15	14.34	14.54	14.56	14.80	14.80	14.74	14.84	14.89	15.08	15.14	15.26	15.31	1.1%
Energy Use & Related Statistics																										
Delivered Energy Use	9.222	9.303	9.516	9.749	9.899	10.065	10.23	10.39	10.56	10.74	10.93	11.11	11.29	11.45	11.61	11.73	11.91	12.02	12.13	12.24	12.34	12.45	12.55	12.65	12.71	1.3%
Total Energy Use	11.676	11.672	11.878	12.213	12.502	12.734	12.87	13.07	13.25	13.50	13.73	13.93	14.16	14.35	14.54	14.56	14.80	14.81	14.75	14.84	14.89	15.09	15.15	15.26	15.32	1.1%
Population (millions)	42.545	43.041	43.538	44.025	44.507	44.989	45.47	45.96	46.45	46.96	47.48	48.00	48.52	49.04	49.56	50.07	50.59	51.11	51.64	52.17	52.70	53.23	53.76	54.29	54.83	1.1%
US GDP (billion 1992 dollars)	6928.396	7163.69	7332.27	7489.14	7652.77	7814.79	7972.42	8130.39	8312.05	8503.48	8693.91	8880.34	9072.87	9254.60	9431.22	9600.07	9774.09	9931.70	10073.1	10210.7	10347.8	10494.2	10635.8	10772.4	10899.7	1.9%
Total Carbon Emission (million metric ton)	1462.900	1493.24	1533.34	1557.47	1577.32	1607.17	1624.75	1643.51	1663.11	1688.76	1715.97	1739.76	1763.16	1784.13	1803.22	1822.67	1841.40	1854.69	1871.4	1888.3	1901.7	1918.3	1934.6	1947.6	1956.2	1.2%

1/ Includes wood used for residential heating. See Table A18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water heating.
2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.
3/ Includes commercial sector electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.
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; including for cogeneration, both for sale to the grid and for own use.
8/ Low sulfur diesel fuel.
9/ Includes naphtha and kerosene type.

Table 9. Energy Consumption by Sector and Source (Continued)

- 10/ Includes aviation gas and lubricants.
- 11/ E85 is 85 percent ethanol (renewable) and 15 percent motor gasoline(nonrenewable).
- 12/ Only M85 (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.
- 16/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, E85, wind, photovoltaic and solar thermal sources. Excludes cogeneration. Excludes net electricity imports.
- 17/ In 1996 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 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: EIA, Short-Term Energy Outlook, August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997).
1996 electric utility fuel consumption: EIA, Electric Power Annual 1996, Volume I, DOE/EIA-0348(96)/1 (Washington, DC, August 1997). 1996 nonutility consumption estimates: EIA Form 867, "Annual Nonutility Power Producer Report." Other 1996 values: EIA, Short-Term Energy Outlook August 1997. Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 10. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) United States Total																									1996- 2020	
	1996	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	0.89	0.88	0.88	0.86	0.85	0.83	0.82	0.81	0.81	0.79	0.79	0.78	0.78	0.77	0.77	0.76	0.76	0.75	0.75	0.74	0.74	0.74	0.73	0.73	0.72	-0.9%
Kerosene	0.08	0.09	0.07	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	-0.6%
Liquefied Petroleum Gas . .	0.42	0.42	0.42	0.45	0.45	0.46	0.46	0.46	0.47	0.47	0.47	0.48	0.48	0.48	0.49	0.49	0.50	0.50	0.50	0.50	0.51	0.51	0.51	0.51	0.51	0.8%
Petroleum Subtotal	1.40	1.39	1.38	1.38	1.38	1.36	1.36	1.35	1.35	1.34	1.34	1.33	1.33	1.33	1.33	1.33	1.32	1.32	1.32	1.32	1.32	1.32	1.31	1.31	1.30	-0.3%
Natural Gas	5.39	5.06	5.26	5.30	5.35	5.35	5.38	5.41	5.45	5.47	5.50	5.53	5.58	5.59	5.63	5.66	5.72	5.75	5.79	5.82	5.87	5.87	5.90	5.93	5.97	0.4%
Coal	0.05	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	0.05	0.05	-0.2%
Renewable Energy 1/	0.61	0.60	0.61	0.61	0.61	0.61	0.61	0.62	0.62	0.62	0.62	0.62	0.63	0.62	0.63	0.63	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.64	0.64	0.2%
Electricity	3.68	3.61	3.80	3.84	3.97	4.08	4.13	4.18	4.24	4.29	4.35	4.41	4.49	4.54	4.61	4.68	4.76	4.82	4.88	4.94	5.02	5.07	5.14	5.20	5.28	1.5%
Delivered Energy	11.13	10.71	11.10	11.20	11.36	11.46	11.53	11.61	11.72	11.77	11.86	11.94	12.08	12.14	12.25	12.35	12.51	12.58	12.68	12.77	12.90	12.95	13.04	13.13	13.25	0.7%
Electricity Related Losses	8.23	8.06	8.45	8.54	8.75	8.95	8.97	8.99	8.97	9.05	9.12	9.20	9.28	9.33	9.39	9.45	9.54	9.55	9.57	9.58	9.65	9.68	9.76	9.83	9.93	0.8%
Total	19.36	18.77	19.55	19.74	20.11	20.40	20.50	20.60	20.69	20.81	20.98	21.14	21.36	21.47	21.64	21.80	22.05	22.12	22.25	22.35	22.55	22.63	22.79	22.95	23.17	0.8%
Commercial																										
Distillate Fuel	0.44	0.44	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.39	0.39	0.39	0.39	0.39	0.38	0.38	0.38	0.37	-0.7%
Residual Fuel	0.15	0.15	0.11	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	-0.9%
Kerosene	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-0.2%
Liquefied Petroleum Gas . .	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	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.8%
Motor Gasoline 2/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	-0.3%
Petroleum Subtotal	0.71	0.71	0.65	0.65	0.65	0.65	0.66	0.66	0.66	0.65	0.66	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.64	0.64	0.64	0.63	-0.5%
Natural Gas	3.30	3.28	3.41	3.44	3.47	3.49	3.52	3.56	3.59	3.62	3.65	3.67	3.70	3.72	3.75	3.77	3.80	3.82	3.84	3.85	3.86	3.86	3.86	3.86	3.85	0.7%
Coal	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.8%
Renewable Energy 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	1.1%
Electricity	3.37	3.39	3.49	3.54	3.59	3.64	3.69	3.73	3.79	3.84	3.89	3.94	3.99	4.04	4.09	4.15	4.20	4.24	4.29	4.33	4.36	4.39	4.41	4.43	4.45	1.2%
Delivered Energy	7.47	7.47	7.63	7.72	7.80	7.88	7.96	8.04	8.12	8.21	8.29	8.36	8.44	8.52	8.60	8.67	8.75	8.82	8.87	8.92	8.97	9.00	9.02	9.03	9.04	0.8%
Electricity Related Losses	7.54	7.58	7.75	7.87	7.91	7.99	8.01	8.03	8.01	8.09	8.15	8.22	8.26	8.31	8.35	8.37	8.41	8.41	8.40	8.39	8.37	8.38	8.38	8.38	8.37	0.4%
Total	15.01	15.05	15.38	15.59	15.72	15.87	15.96	16.06	16.13	16.30	16.44	16.58	16.70	16.83	16.94	17.05	17.16	17.23	17.28	17.31	17.34	17.38	17.41	17.41	17.41	0.6%

Table 10. Energy Consumption by Sector and Source (Quadrillion Btu per Year, Unless Otherwise Noted) United States Total																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Total Energy Consumption																										
Distillate Fuel	7.07	7.41	7.50	7.59	7.68	7.82	7.94	8.03	8.15	8.25	8.36	8.45	8.55	8.63	8.70	8.77	8.83	8.86	8.87	8.90	8.93	8.97	9.00	9.02	9.04	1.0%
Kerosene	0.13	0.13	0.11	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	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	-0.5%
Jet Fuel 9/	3.27	3.33	3.37	3.73	3.83	3.95	4.07	4.20	4.34	4.47	4.65	4.78	4.93	5.09	5.23	5.34	5.47	5.56	5.68	5.79	5.90	6.00	6.11	6.19	6.28	2.8%
Liquefied Petroleum Gas	2.65	2.66	2.66	2.67	2.71	2.74	2.78	2.81	2.85	2.90	2.95	3.00	3.05	3.09	3.13	3.17	3.20	3.21	3.23	3.24	3.26	3.27	3.28	3.30	3.31	0.9%
Motor Gasoline 2/	15.16	15.40	15.69	15.95	16.19	16.47	16.75	16.98	17.20	17.43	17.67	17.88	18.10	18.30	18.49	18.62	18.74	18.87	19.00	19.12	19.21	19.34	19.45	19.56	19.67	1.1%
Petrochemical Feedstocks.	1.28	1.29	1.28	1.29	1.31	1.32	1.34	1.35	1.36	1.38	1.40	1.42	1.44	1.45	1.47	1.48	1.49	1.49	1.49	1.49	1.49	1.50	1.50	1.51	1.51	0.7%
Residual Fuel	2.05	2.29	1.94	1.89	1.87	1.87	1.87	1.81	1.81	1.86	1.91	1.91	1.94	2.00	2.02	2.06	2.10	2.10	2.10	2.14	2.17	2.19	2.21	2.23	2.27	0.4%
Other Petroleum 13/	4.39	4.43	4.41	4.61	4.64	4.67	4.75	4.78	4.84	4.91	5.01	5.03	5.09	5.15	5.18	5.18	5.31	5.28	5.32	5.40	5.42	5.40	5.44	5.49	5.45	0.9%
Petroleum Subtotal	36.01	36.93	36.97	37.85	38.35	38.97	39.62	40.08	40.66	41.32	42.06	42.59	43.20	43.83	44.33	44.73	45.25	45.49	45.82	46.20	46.50	46.77	47.10	47.42	47.64	1.2%
Natural Gas	22.60	22.45	23.67	24.51	24.74	25.12	25.49	26.03	26.43	26.93	27.38	27.96	28.60	29.12	29.65	29.96	30.42	30.88	31.09	31.44	31.68	32.27	32.51	32.82	33.06	1.6%
Metallurgical Coal	0.85	0.86	0.86	0.85	0.83	0.82	0.80	0.78	0.77	0.76	0.75	0.74	0.73	0.72	0.71	0.70	0.69	0.67	0.66	0.65	0.65	0.64	0.63	0.62	0.61	-1.4%
Steam Coal	20.05	20.16	21.03	20.92	21.28	21.82	21.96	22.11	22.40	22.68	22.93	23.07	23.14	23.26	23.55	23.64	23.75	24.04	24.22	24.38	24.53	24.77	24.88	24.92	24.92	0.9%
Net Coal Coke Imports	0.00	0.03	0.03	0.03	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	0.08	0.08	0.08	0.08	N/A
Coal Subtotal	20.90	21.05	21.92	21.80	22.14	22.63	22.66	22.79	22.93	23.21	23.48	23.72	23.85	23.92	24.05	24.31	24.39	24.49	24.78	24.95	25.11	25.24	25.48	25.58	25.61	0.9%
Nuclear Power	7.20	6.88	7.12	7.35	7.36	7.26	7.31	7.16	7.03	6.87	6.77	6.68	6.54	6.45	6.36	6.24	6.14	5.91	5.55	5.12	4.93	4.49	4.25	4.13	4.09	-2.3%
Renewable Energy 18/	6.91	6.99	6.64	6.72	6.82	6.88	6.90	6.96	7.02	7.12	7.19	7.24	7.31	7.36	7.42	7.46	7.53	7.52	7.55	7.62	7.63	7.67	7.71	7.71	7.74	0.5%
Methanol 12/	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	0.08	0.09	0.10	0.11	0.12	0.13	0.13	0.14	0.14	0.15	0.15	20.6%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.7%
Electricity Imports 17/	0.39	0.39	0.39	0.39	0.41	0.40	0.40	0.36	0.36	0.34	0.34	0.34	0.32	0.33	0.31	0.30	0.30	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	-1.4%
Total	94.01	94.68	96.71	98.61	99.82	101.25	102.39	103.39	104.45	105.82	107.27	108.59	109.88	111.07	112.17	113.09	114.13	114.68	115.18	115.72	116.26	116.86	117.48	118.09	118.58	1.0%
Energy Use & Related Statistics																										
Delivered Energy Use	70.36	71.02	72.43	73.94	74.88	75.88	76.92	77.82	78.85	79.92	81.12	82.15	83.24	84.25	85.19	85.95	86.84	87.39	87.92	88.50	89.02	89.55	90.05	90.56	90.95	1.1%
Total Energy Use	94.01	94.68	96.71	98.61	99.82	101.26	102.39	103.40	104.45	105.82	107.27	108.58	109.88	111.07	112.16	113.09	114.13	114.67	115.17	115.71	116.24	116.84	117.46	118.06	118.55	1.0%
Population (millions)	266.07	268.51	270.91	273.28	275.62	277.93	280.23	282.53	284.82	287.12	289.44	291.78	294.13	296.52	298.92	301.35	303.80	306.25	308.72	311.19	313.66	316.12	318.57	321.01	323.47	0.8%
US GDP (billion 1992 dollars)	6928.40	7163.69	7332.27	7489.14	7652.77	7814.79	7972.42	8130.39	8312.05	8503.48	8693.91	8880.34	9072.87	9254.60	9431.22	9600.07	9774.09	9931.70	10073.1	10210.7	10347.8	10494.2	10635.3	10772.4	10899.7	1.9%
Total Carbon Emission (million metric ton)	1462.90	1493.24	1533.34	1557.47	1577.32	1607.17	1624.75	1643.51	1663.11	1688.76	1715.97	1739.76	1763.16	1784.13	1803.22	1822.67	1841.40	1854.69	1871.36	1888.33	1901.66	1918.48	1934.59	1947.59	1956.19	1.2%

1/ Includes wood used for residential heating. See Table A18 estimates of nonmarketed renewable energy consumption for geothermal heat pumps & solar thermal hot water heating.

2/ Includes ethanol (blends of 10 percent or less) and ethers blended into gasoline.

3/ Includes commercial sector electricity cogenerated by using wood and wood waste, landfill gas, municipal solid waste, and other biomass. See Table A18 for estimates of nonmarketed renewable energy consumption for solar thermal hot water heating.

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; including 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.

Table 10. Energy Consumption by Sector and Source (Continued)

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

12/ Only M85 (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.

16/ Includes conventional hydroelectric, geothermal, wood and wood waste, municipal solid waste, other biomass, E85, wind, photovoltaic and solar thermal sources. Excludes cogeneration. Excludes net electricity imports.

17/ In 1996 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 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: EIA, Short-Term Energy Outlook, August 1997.

Online. <http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). 1996 electric utility fuel consumption: EIA, Electric Power Annual 1996, Volume I, DOE/EIA-0348(96)/1 (Washington, DC, August 1997). 1996 nonutility consumption estimates: EIA Form 867, "Annual Nonutility Power Producer Report." Other 1996 values: EIA, Short-Term Energy Outlook August 1997. Online.

<http://www.eia.doe.gov/emeu/steo/pub/upd/aug97/index.html> (August 21, 1997). Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 11. Energy Prices by Sector and Source (1996 Dollars per Million Btu) 01 - New England																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Average End-Use Energy	11.31	11.21	10.92	10.91	10.84	10.83	10.76	10.68	10.60	10.67	10.54	10.65	10.62	10.58	10.58	10.59	10.47	10.56	10.59	10.54	10.67	10.57	10.58	10.60	10.65	-0.25%
Primary Energy	11.12	10.99	10.71	10.74	10.70	10.69	10.63	10.57	10.51	10.58	10.47	10.58	10.55	10.51	10.52	10.53	10.41	10.51	10.54	10.48	10.61	10.50	10.51	10.53	10.57	-0.21%
Electricity	27.80	27.47	26.88	26.17	25.05	24.61	24.06	23.54	22.81	22.78	22.20	22.27	22.30	22.07	22.08	22.02	21.71	21.85	21.87	21.73	21.88	21.71	21.74	21.76	21.85	-1.00%
Electric Generators 12/																										
Fossil Fuel Average	2.43	2.40	2.34	2.20	2.29	2.37	2.39	2.45	2.44	2.45	2.47	2.51	2.54	2.54	2.47	2.50	2.48	2.48	2.51	2.54	2.62	2.66	2.67	2.69	2.73	0.49%
Petroleum Products	2.99	2.68	2.67	2.44	2.43	2.47	2.49	2.55	2.57	2.54	2.48	2.63	2.69	2.59	2.68	2.63	2.56	2.68	2.80	2.74	2.82	2.73	2.77	2.79	2.86	-0.18%
Distillate Fuel	4.78	4.59	4.56	4.69	4.79	4.87	4.89	4.91	5.00	5.10	5.05	5.20	5.12	5.13	5.15	5.15	5.05	5.19	5.19	5.22	5.22	5.12	5.18	5.19	5.23	0.38%
Residual Fuel	2.95	2.64	2.64	2.39	2.37	2.42	2.43	2.47	2.49	2.46	2.40	2.55	2.61	2.52	2.59	2.55	2.48	2.59	2.71	2.65	2.71	2.62	2.67	2.69	2.76	-0.29%
Natural Gas	2.74	2.95	2.65	2.47	2.61	2.65	2.69	2.73	2.70	2.71	2.75	2.79	2.82	2.84	2.71	2.77	2.75	2.73	2.75	2.81	2.91	2.96	2.98	3.00	3.04	0.44%
Steam Coal	1.76	1.71	1.69	1.67	1.66	1.64	1.62	1.61	1.60	1.58	1.56	1.55	1.53	1.53	1.51	1.50	1.48	1.47	1.47	1.45	1.44	1.43	1.42	1.43	1.42	-0.90%
Average Price to All Users 13/																										
Petroleum Products 2/	8.10	7.76	7.57	7.89	8.18	8.20	8.29	8.43	8.52	8.57	8.53	8.70	8.67	8.64	8.73	8.73	8.65	8.78	8.85	8.77	8.90	8.75	8.76	8.79	8.82	0.36%
Distillate Fuel	7.40	7.24	7.01	7.44	7.53	7.62	7.65	7.66	7.74	7.85	7.78	7.92	7.85	7.88	7.86	7.87	7.76	7.92	7.91	7.88	7.92	7.80	7.81	7.81	7.84	0.24%
Jet Fuel	5.84	5.11	5.08	5.30	5.40	5.49	5.53	5.56	5.65	5.78	5.73	5.92	5.81	5.85	5.92	5.95	5.89	5.97	6.00	5.92	6.06	5.89	5.90	5.91	5.95	0.08%
Liquefied Petrol. Gas	12.80	13.03	13.00	13.37	13.44	13.58	13.67	13.79	13.94	14.20	14.16	14.35	14.36	14.33	14.45	14.42	14.25	14.18	14.13	14.04	14.33	14.02	14.08	14.02	14.09	0.40%
Motor Gasoline 8/	10.51	10.35	10.12	10.43	10.64	10.67	10.69	10.70	10.75	10.86	10.80	10.94	10.87	10.86	10.94	10.94	10.85	10.94	10.98	10.90	11.03	10.89	10.88	10.88	10.88	0.15%
Residual Fuel	3.05	2.68	2.68	2.34	2.29	2.36	2.35	2.39	2.37	2.36	2.30	2.45	2.50	2.39	2.46	2.41	2.35	2.47	2.59	2.55	2.60	2.52	2.55	2.60	2.65	-0.59%
Natural Gas	6.16	6.52	5.95	5.62	5.32	5.01	4.97	4.81	4.72	4.69	4.67	4.66	4.65	4.65	4.47	4.52	4.47	4.42	4.41	4.46	4.52	4.58	4.60	4.60	4.64	-1.17%
Coal	1.80	1.75	1.73	1.71	1.70	1.68	1.67	1.66	1.65	1.63	1.61	1.60	1.59	1.58	1.57	1.55	1.54	1.53	1.53	1.51	1.50	1.49	1.48	1.49	1.48	-0.81%
E85 11/	15.85	15.86	15.85	16.89	17.15	17.26	17.30	17.32	17.41	17.65	17.67	18.03	17.95	17.98	18.06	18.10	18.13	18.25	18.33	18.38	18.56	18.67	18.81	18.96	19.12	0.79%
Electricity	27.80	27.47	26.88	26.17	25.05	24.61	24.06	23.54	22.81	22.78	22.20	22.27	22.30	22.07	22.08	22.02	21.71	21.85	21.87	21.73	21.88	21.71	21.74	21.76	21.85	-1.00%
Non-Renewable Energy Expenditures by Sector (billion 1996 dollars)																										
Residential	7.98	7.84	7.87	7.59	7.59	7.65	7.61	7.54	7.46	7.49	7.45	7.50	7.53	7.51	7.50	7.55	7.54	7.57	7.62	7.63	7.75	7.72	7.78	7.82	7.89	-0.05%
Commercial	6.05	6.21	5.93	5.91	5.77	5.69	5.61	5.56	5.47	5.50	5.39	5.45	5.48	5.46	5.46	5.47	5.38	5.43	5.44	5.43	5.49	5.46	5.47	5.47	5.48	-0.41%
Industrial	2.99	2.95	2.85	2.80	2.71	2.72	2.71	2.70	2.69	2.73	2.71	2.77	2.80	2.80	2.83	2.85	2.80	2.83	2.84	2.81	2.84	2.82	2.83	2.85	2.89	-0.14%
Transportation	9.56	9.56	9.53	10.06	10.41	10.66	10.87	11.05	11.27	11.57	11.67	11.98	12.05	12.20	12.39	12.49	12.46	12.66	12.78	12.73	12.96	12.84	12.89	12.94	13.01	1.29%
Total Non-Renewable Expenditures	26.58	26.55	26.18	26.36	26.48	26.71	26.80	26.85	26.89	27.28	27.22	27.70	27.87	27.97	28.17	28.35	28.18	28.49	28.68	28.62	29.03	28.85	28.97	29.08	29.27	0.00%
Transportation Renewable Expenditures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.11	0.12	0.13	0.13	0.14	0.14	0.15	21.00%
Total Expenditures	26.59	26.55	26.19	26.36	26.48	26.71	26.81	26.85	26.91	27.31	27.26	27.75	27.93	28.04	28.25	28.44	28.28	28.60	28.79	28.74	29.16	28.99	29.11	29.23	29.42	0.42%

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.

Table 11. Energy Prices by Sector and Source (Continued)

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

13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

Note: 1996 figures may differ from published data due to internal rounding.

Source: 1996 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94) (Washington, DC, June 1997).

1996 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991. 1996 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(97/6) (Washington, DC, June 1997). Other 1996 natural gas delivered prices: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Values for 1996 coal prices have been estimated from EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94)(Washington, DC, June 1997) by use of consumption quantities aggregated from EIA, State Energy Data Report 1994. Online. <ftp://ftp.eia.doe.gov/pub/state.data/021494.pdf> (August 26, 1997) and the Coal Industry Annual 1996, DOE/EIA-0584(96) (Washington, DC, November 1997). 1996 electricity prices for commercial, industrial, and transportation: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 12. Energy Prices by Sector and Source (1996 Dollars per Million Btu) 02 - Middle Atlantic																									1996-2020	
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Average End-Use Energy ...	9.85	9.71	9.44	9.42	9.46	9.46	9.42	9.38	9.33	9.34	9.25	9.33	9.29	9.27	9.26	9.26	9.17	9.21	9.21	9.14	9.24	9.17	9.17	9.19	9.24	-0.3%
Primary Energy	9.56	9.40	9.13	9.11	9.15	9.15	9.12	9.09	9.06	9.08	8.99	9.07	9.03	9.02	9.01	9.01	8.92	8.97	8.97	8.90	8.99	8.91	8.91	8.92	8.97	-0.3%
Electricity	27.61	27.06	26.54	25.85	25.56	25.16	24.82	24.53	23.94	23.58	23.20	23.17	23.08	22.90	22.75	22.54	22.23	22.11	21.99	21.81	21.85	21.77	21.68	21.65	21.70	-1.0%
Electric Generators 12/																										
Fossil Fuel Average	1.79	1.79	1.77	1.72	1.73	1.78	1.82	1.85	1.92	1.95	1.95	1.98	2.02	2.05	2.07	2.10	2.11	2.12	2.15	2.21	2.25	2.29	2.31	2.32	2.36	1.2%
Petroleum Products	3.39	3.08	3.15	2.83	2.77	2.90	2.87	2.94	2.99	2.97	2.90	3.19	3.24	3.02	3.13	3.04	2.95	3.15	3.29	3.26	3.31	3.21	3.19	3.31	3.39	0.0%
Distillate Fuel	4.95	4.59	4.55	4.77	4.86	4.94	4.97	4.99	5.08	5.18	5.12	5.28	5.20	5.21	5.23	5.23	5.13	5.27	5.27	5.30	5.30	5.19	5.26	5.26	5.31	0.3%
Residual Fuel	3.19	2.96	2.98	2.65	2.61	2.69	2.67	2.74	2.70	2.69	2.64	2.78	2.82	2.70	2.78	2.71	2.65	2.80	2.93	2.89	2.95	2.86	2.87	2.95	3.00	-0.3%
Natural Gas	2.89	3.02	2.78	2.55	2.54	2.70	2.79	2.81	2.91	2.94	2.97	3.00	3.03	3.07	3.06	3.12	3.13	3.13	3.16	3.23	3.29	3.32	3.36	3.39	3.46	0.8%
Steam Coal	1.41	1.37	1.36	1.34	1.32	1.32	1.30	1.29	1.28	1.27	1.26	1.25	1.24	1.23	1.22	1.22	1.20	1.20	1.19	1.18	1.17	1.16	1.16	1.15	1.14	-0.9%
Average Price to All Users 13/																										
Petroleum Products 2/	7.68	7.43	7.34	7.46	7.57	7.66	7.69	7.73	7.80	7.89	7.81	7.97	7.91	7.90	7.94	7.95	7.85	7.96	7.98	7.88	7.99	7.86	7.85	7.86	7.90	0.1%
Distillate Fuel	7.67	7.50	7.32	7.70	7.77	7.86	7.88	7.88	7.94	8.05	7.96	8.09	8.02	8.06	8.01	8.02	7.90	8.07	8.05	7.97	8.04	7.91	7.88	7.87	7.90	0.1%
Jet Fuel	5.60	4.80	4.78	5.20	5.30	5.38	5.42	5.46	5.55	5.68	5.62	5.81	5.70	5.74	5.81	5.85	5.79	5.86	5.89	5.82	5.96	5.79	5.79	5.81	5.85	0.2%
Liquefied Petrol. Gas ...	11.98	12.49	12.47	13.12	13.19	13.33	13.42	13.54	13.69	13.93	13.88	14.07	14.07	14.02	14.14	14.11	13.93	13.86	13.80	13.71	14.00	13.67	13.73	13.67	13.74	0.6%
Motor Gasoline 8/	9.83	9.68	9.46	9.56	9.75	9.78	9.80	9.81	9.86	9.99	9.92	10.06	9.99	9.99	10.06	10.07	9.98	10.07	10.09	10.00	10.14	9.98	9.98	9.97	9.98	0.1%
Residual Fuel	3.24	2.99	2.98	2.64	2.62	2.67	2.67	2.70	2.72	2.69	2.62	2.76	2.82	2.73	2.80	2.76	2.67	2.78	2.89	2.81	2.86	2.76	2.83	2.84	2.90	-0.5%
Natural Gas	6.08	6.21	5.66	5.50	5.39	5.36	5.30	5.21	5.11	5.07	5.06	5.00	4.95	4.94	4.85	4.86	4.83	4.79	4.79	4.80	4.82	4.82	4.85	4.88	4.92	-0.9%
Coal	1.47	1.37	1.36	1.35	1.33	1.32	1.31	1.30	1.29	1.28	1.27	1.26	1.25	1.24	1.23	1.22	1.21	1.20	1.20	1.19	1.18	1.17	1.17	1.16	1.15	-1.0%
E85 11/	15.85	15.86	15.85	16.06	16.32	16.42	16.46	16.49	16.58	16.81	16.83	17.20	17.11	17.13	17.22	17.26	17.29	17.41	17.50	17.54	17.72	17.84	17.97	18.13	18.29	0.6%
Electricity	27.61	27.06	26.54	25.85	25.56	25.16	24.82	24.53	23.94	23.58	23.20	23.17	23.08	22.90	22.75	22.54	22.23	22.11	21.99	21.81	21.85	21.77	21.68	21.65	21.70	-1.0%
Non-Renewable Energy Expenditures by Sector (billion 1996 dollars)																										
Residential	17.72	17.35	17.44	17.60	17.97	18.19	18.20	18.19	18.11	18.08	18.02	18.18	18.30	18.34	18.38	18.50	18.49	18.52	18.58	18.65	18.98	19.05	19.16	19.37	19.62	0.4%
Commercial	18.23	18.36	17.76	17.33	17.24	17.04	16.87	16.73	16.48	16.35	16.18	16.24	16.20	16.16	16.10	16.02	15.85	15.84	15.79	15.71	15.68	15.60	15.55	15.44	15.44	-0.7%
Industrial	12.53	12.37	11.91	11.98	11.98	12.07	12.15	12.16	12.18	12.35	12.41	12.69	12.81	12.82	12.88	12.97	12.78	12.88	12.94	12.80	12.84	12.81	12.83	12.85	13.05	0.2%
Transportation	24.44	24.26	24.19	25.23	26.00	26.60	27.11	27.53	28.12	28.91	29.11	29.96	30.11	30.51	30.95	31.21	31.10	31.64	31.87	31.69	32.31	31.91	32.01	32.12	32.31	1.2%
Total Non-Renewable Expenditures	72.91	72.34	71.29	72.15	73.18	73.90	74.34	74.62	74.88	75.69	75.72	77.06	77.42	77.83	78.31	78.71	78.23	78.88	79.19	78.85	79.81	79.36	79.54	79.79	80.42	0.4%
Transportation Renewable Expenditures	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.07	0.09	0.13	0.16	0.18	0.21	0.24	0.26	0.29	0.30	0.32	0.34	0.35	0.36	0.38	0.39	20.9%
Total Expenditures	72.92	72.35	71.30	72.15	73.19	73.91	74.35	74.63	74.92	75.76	75.82	77.19	77.58	78.01	78.53	78.95	78.49	79.17	79.49	79.17	80.14	79.71	79.90	80.16	80.81	0.4%

1/ Weighted average price includes fuels below as well as coal.

2/ This quantity is the weighted average for all petroleum products, not just those listed below.

3/ Excludes independent power producers.

4/ Includes cogenerators.

5/ Excludes uses for lease and plant fuel.

Table 12. Energy Prices by Sector and Source (Continued)

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

13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

Note: 1996 figures may differ from published data due to internal rounding.

Source: 1996 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94) (Washington, DC, June 1997).

1996 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991. 1996 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(97/6) (Washington, DC, June 1997). Other 1996 natural gas delivered prices: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Values for 1996 coal prices have been estimated from EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94)(Washington, DC, June 1997) by use of consumption quantities aggregated from EIA, State Energy Data Report 1994.

Online. <ftp://ftp.eia.doe.gov/pub/state.data/021494.pdf> (August 26, 1997) and the Coal Industry Annual 1996, DOE/EIA-0584(96) (Washington, DC, November 1997). 1996 electricity prices for commercial, industrial, and transportation: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 13. Energy Prices by Sector and Source (Cont.)

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

13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

Note: 1996 figures may differ from published data due to internal rounding.

Source: 1996 prices for all other petroleum products are derived from

the EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94) (Washington, DC, June 1997). 1996 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991. 1996 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(97/6) (Washington, DC, June 1997). Other 1996 natural gas delivered prices: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Values for 1996 coal prices have been estimated from EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94) (Washington, DC, June 1997) by use of consumption quantities aggregated from EIA, State Energy Data Report 1994. Online. <ftp://ftp.eia.doe.gov/pub/state.data/021494.pdf> (August 26, 1997) and the Coal Industry Annual 1996, DOE/EIA-0584(96) (Washington, DC, November 1997). 1996 electricity prices for commercial, industrial, and transportation: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 14. Energy Prices by Sector and Source (Continued)

- 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/ Includes all electric power generators except cogenerators, which produce electricity and other useful thermal energy.
- 13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

Note: 1996 figures may differ from published data due to internal rounding.

Source: 1996 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94) (Washington, DC, June 1997). 1996 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991. 1996 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(97/6) (Washington, DC, June 1997). Other 1996 natural gas delivered prices: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Values for 1996 coal prices have been estimated from EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94)(Washington, DC, June 1997) by use of consumption quantities aggregated from EIA, State Energy Data Report 1994. Online. <ftp://ftp.eia.doe.gov/pub/state.data/021494.pdf> (August 26, 1997) and the Coal Industry Annual 1996, DOE/EIA-0584(96) (Washington, DC, November 1997). 1996 electricity prices for commercial, industrial, and transportation: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 15. Energy Prices by Sector and Source (Continued)

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

13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

Note: 1996 figures may differ from published data due to internal rounding.

Source: 1996 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94) (Washington, DC, June 1997). 1996 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991. 1996 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(97/6) (Washington, DC, June 1997). Other 1996 natural gas delivered prices: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Values for 1996 coal prices have been estimated from EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94)(Washington, DC, June 1997) by use of consumption quantities aggregated from EIA, State Energy Data Report 1994. Online. <ftp://ftp.eia.doe.gov/pub/state.data/021494.pdf> (August 26, 1997) and the Coal Industry Annual 1996, DOE/EIA-0584(96) (Washington, DC, November 1997). 1996 electricity prices for commercial, industrial, and transportation: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 16. Energy Prices by Sector and Source
(1996 Dollars per Million Btu)
06 - East South Central

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Average End-Use Energy . . .	8.46	8.24	8.14	8.31	8.33	8.34	8.32	8.32	8.34	8.40	8.33	8.39	8.37	8.38	8.40	8.36	8.31	8.38	8.41	8.36	8.39	8.37	8.41	8.40	8.44	-0.0%	
Primary Energy	8.10	7.88	7.74	8.00	8.03	8.05	8.05	8.06	8.09	8.15	8.10	8.17	8.15	8.16	8.18	8.16	8.10	8.19	8.22	8.18	8.21	8.19	8.22	8.22	8.25	0.1%	
Electricity	17.00	16.63	16.58	16.46	16.25	15.98	15.78	15.66	15.53	15.42	15.25	15.08	14.95	14.85	14.76	14.48	14.28	14.25	14.17	13.98	13.90	13.85	13.85	13.75	13.77	-0.9%	
Electric Generators 12/																											
Fossil Fuel Average	1.36	1.32	1.28	1.28	1.26	1.25	1.23	1.21	1.18	1.17	1.16	1.15	1.13	1.13	1.11	1.10	1.07	1.05	1.03	1.03	1.02	1.01	1.00	0.99	0.99	-1.3%	
Petroleum Products	3.02	3.60	3.03	5.09	5.11	5.19	5.22	5.29	5.36	5.44	5.39	5.54	5.58	5.62	5.63	5.64	5.57	5.75	5.82	5.77	5.81	5.87	5.94	5.95	6.00	2.9%	
Distillate Fuel	4.80	4.81	4.79	5.15	5.17	5.25	5.28	5.35	5.41	5.49	5.44	5.59	5.63	5.67	5.67	5.69	5.62	5.79	5.86	5.82	5.85	5.91	5.99	5.99	6.05	1.0%	
Residual Fuel	2.54	2.43	2.43	4.01	4.04	4.05	4.06	4.09	4.11	4.16	4.10	4.27	4.35	4.34	4.42	4.42	4.35	4.54	4.61	4.55	4.59	4.69	4.76	4.78	4.82	2.7%	
Natural Gas	2.90	3.08	2.78	2.76	2.75	2.74	2.70	2.70	2.70	2.71	2.72	2.76	2.79	2.84	2.91	2.94	2.97	3.00	3.03	3.06	3.09	3.10	3.16	3.19	3.26	0.5%	
Steam Coal	1.28	1.26	1.24	1.23	1.21	1.20	1.19	1.17	1.16	1.15	1.13	1.12	1.11	1.11	1.09	1.08	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.97	-1.1%	
Average Price to All Users 13/																											
Petroleum Products 2/	7.82	7.50	7.36	7.81	7.90	7.97	7.99	8.02	8.08	8.18	8.11	8.25	8.22	8.23	8.25	8.25	8.19	8.31	8.36	8.32	8.36	8.34	8.36	8.35	8.37	0.3%	
Distillate Fuel	7.55	7.21	7.06	7.50	7.51	7.60	7.60	7.66	7.71	7.76	7.70	7.79	7.77	7.81	7.72	7.72	7.63	7.77	7.78	7.74	7.72	7.71	7.76	7.75	7.77	0.1%	
Jet Fuel	5.44	4.80	4.78	5.22	5.32	5.40	5.44	5.48	5.60	5.78	5.76	5.88	5.89	5.93	6.00	6.03	6.01	6.12	6.23	6.20	6.27	6.24	6.26	6.27	6.32	0.6%	
Liquefied Petrol. Gas	10.77	9.35	9.33	9.65	9.71	9.83	9.92	10.02	10.15	10.39	10.33	10.51	10.51	10.46	10.57	10.54	10.41	10.40	10.47	10.46	10.63	10.53	10.61	10.55	10.63	-0.1%	
Motor Gasoline 8/	9.62	9.44	9.23	9.63	9.79	9.86	9.88	9.89	9.94	10.10	10.02	10.17	10.10	10.11	10.16	10.18	10.14	10.27	10.34	10.29	10.36	10.33	10.33	10.32	10.33	0.3%	
Residual Fuel	2.32	2.16	2.20	2.25	2.28	2.30	2.31	2.33	2.35	2.40	2.33	2.51	2.59	2.58	2.65	2.66	2.58	2.76	2.78	2.75	2.81	2.88	2.94	2.96	3.01	1.1%	
Natural Gas	3.87	4.04	3.74	3.69	3.67	3.65	3.65	3.64	3.66	3.66	3.66	3.67	3.69	3.74	3.80	3.82	3.85	3.86	3.88	3.90	3.93	3.94	3.99	4.03	4.09	0.2%	
Coal	1.33	1.28	1.26	1.25	1.23	1.22	1.21	1.20	1.18	1.18	1.16	1.15	1.14	1.13	1.12	1.11	1.08	1.06	1.05	1.04	1.04	1.03	1.02	1.01	1.01	-1.1%	
E85 11/	15.85	15.86	15.85	15.27	15.51	15.62	15.66	15.67	15.76	15.98	16.00	16.36	16.27	16.30	16.37	16.40	16.43	16.56	16.65	16.71	16.86	17.00	17.13	17.29	17.44	0.4%	
Electricity	17.00	16.63	16.58	16.46	16.25	15.98	15.78	15.66	15.53	15.42	15.25	15.08	14.95	14.85	14.76	14.48	14.28	14.25	14.17	13.98	13.90	13.85	13.85	13.75	13.77	-0.9%	
Non-Renewable Energy Expenditures by Sector (billion 1996 dollar)																											
Residential	10.87	10.40	10.92	10.07	10.33	10.44	10.39	10.46	10.50	10.67	10.66	10.72	10.83	10.92	11.08	11.15	11.18	11.27	11.32	11.37	11.51	11.60	11.76	11.87	12.07	0.4%	
Commercial	3.89	3.97	4.21	4.35	4.41	4.47	4.55	4.63	4.74	4.78	4.87	4.94	5.02	5.10	5.18	5.20	5.25	5.32	5.38	5.39	5.42	5.45	5.48	5.49	5.52	1.5%	
Industrial	10.52	10.51	10.33	10.81	10.82	10.92	11.08	11.19	11.38	11.52	11.63	11.87	12.04	12.22	12.41	12.44	12.49	12.63	12.72	12.69	12.80	12.83	13.03	13.10	13.25	1.0%	
Transportation	14.67	14.64	14.63	15.67	16.13	16.58	16.91	17.21	17.60	18.11	18.25	18.76	18.90	19.19	19.42	19.60	19.64	20.04	20.29	20.32	20.50	20.58	20.73	20.82	20.98	1.5%	
Total Non-Renewable Expenditure	39.95	39.53	40.09	40.90	41.68	42.41	42.93	43.50	44.21	45.09	45.42	46.30	46.79	47.43	48.09	48.39	48.55	49.26	49.71	49.77	50.24	50.46	51.00	51.28	51.82	1.1%	
Transportation Renewable Expenditures	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.11	0.12	0.13	0.13	0.14	0.15	0.15	0.16	0.16	21.0%	
Total Expenditures.....	39.95	39.53	40.09	40.90	41.68	42.41	42.93	43.50	44.22	45.12	45.46	46.35	46.85	47.51	48.18	48.49	48.66	49.38	49.83	49.90	50.38	50.61	51.15	51.44	51.99	1.1%	

1/ Weighted average price includes fuels below as well as coal.
2/ This quantity is the weighted average for all petroleum products, not just those listed below.
3/ Excludes independent power producers.
4/ Includes cogenerators.
5/ Excludes uses for lease and plant fuel.

Table 16. Energy Prices by Sector and Source (Continued)

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

13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

Note: 1996 figures may differ from published data due to internal rounding.

Source: 1996 prices for all other petroleum products are derived from

the EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94) (Washington, DC, June 1997). 1996 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991. 1996 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(97/6) (Washington, DC, June 1997). Other 1996 natural gas delivered prices: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Values for 1996 coal prices have been estimated from EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94) (Washington, DC, June 1997) by use of consumption quantities aggregated from EIA, State Energy Data Report 1994. Online. <ftp://ftp.eia.doe.gov/pub/state.data/021494.pdf> (August 26, 1997) and the Coal Industry Annual 1996, DOE/EIA-0584(96) (Washington, DC, November 1997). 1996 electricity prices for commercial, industrial, and transportation: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 17. Energy Prices by Sector and Source (1996 Dollars per Million Btu) 07 - West South Central																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996- 2020
Average End-Use Energy ..	6.89	6.23	6.05	6.25	6.29	6.34	6.36	6.40	6.45	6.53	6.48	6.58	6.58	6.59	6.64	6.61	6.56	6.61	6.64	6.62	6.68	6.65	6.69	6.69	6.74	-0.1%
Primary Energy	6.42	5.76	5.59	5.83	5.87	5.92	5.95	5.99	6.05	6.14	6.09	6.20	6.20	6.21	6.26	6.25	6.19	6.25	6.29	6.27	6.33	6.30	6.35	6.35	6.40	-0.0%
Electricity	17.70	17.58	16.87	16.63	16.49	16.28	16.10	16.04	15.96	15.83	15.63	15.59	15.48	15.39	15.31	14.98	14.67	14.55	14.41	14.22	14.15	14.09	14.00	13.91	13.90	-1.0%
Electric Generators 12/																										
Fossil Fuel Average	1.81	1.80	1.67	1.69	1.68	1.68	1.69	1.70	1.71	1.72	1.71	1.73	1.75	1.78	1.81	1.83	1.87	1.89	1.90	1.92	1.93	1.96	1.99	2.01	2.05	0.5%
Petroleum Products	3.05	2.89	2.97	3.87	3.94	3.95	3.96	4.05	4.16	4.22	4.17	4.34	4.42	4.45	4.51	4.54	4.49	4.69	4.80	4.78	4.85	4.92	4.97	5.01	5.05	2.1%
Distillate Fuel	4.55	4.40	4.38	4.64	4.66	4.75	4.77	4.84	4.91	4.98	4.93	5.08	5.12	5.16	5.17	5.18	5.11	5.28	5.35	5.31	5.34	5.40	5.48	5.49	5.54	0.8%
Residual Fuel	3.02	2.88	2.87	3.53	3.56	3.57	3.58	3.61	3.63	3.69	3.62	3.80	3.87	3.87	3.94	3.94	3.87	4.06	4.13	4.07	4.11	4.21	4.28	4.29	4.34	1.5%
Natural Gas	2.58	2.63	2.41	2.45	2.46	2.45	2.46	2.47	2.50	2.52	2.55	2.59	2.61	2.66	2.71	2.73	2.78	2.82	2.83	2.85	2.88	2.90	2.95	2.99	3.06	0.7%
Steam Coal	1.30	1.26	1.25	1.24	1.23	1.22	1.22	1.21	1.20	1.19	1.18	1.17	1.17	1.16	1.16	1.16	1.15	1.15	1.15	1.14	1.13	1.13	1.13	1.12	1.11	-0.7%
Average Price to All Users 13/																										
Petroleum Products 2/	7.20	6.08	6.10	6.51	6.59	6.66	6.70	6.75	6.82	6.96	6.89	7.04	7.02	7.02	7.07	7.06	6.97	7.06	7.11	7.08	7.17	7.11	7.15	7.14	7.17	-0.0%
Distillate Fuel	7.60	7.22	7.09	7.50	7.52	7.60	7.61	7.67	7.73	7.78	7.71	7.81	7.78	7.83	7.74	7.75	7.66	7.80	7.81	7.77	7.75	7.75	7.80	7.78	7.81	0.1%
Jet Fuel	5.05	4.34	4.31	4.80	4.90	4.99	5.03	5.07	5.18	5.37	5.35	5.46	5.47	5.51	5.58	5.61	5.59	5.70	5.81	5.78	5.85	5.83	5.84	5.86	5.90	0.6%
Liquefied Petroleum Gas	7.54	4.97	4.94	5.20	5.26	5.37	5.45	5.54	5.67	5.89	5.83	6.01	5.99	5.95	6.06	6.02	5.89	5.88	5.94	5.93	6.10	6.00	6.08	6.02	6.10	-0.9%
Motor Gasoline 8/	9.55	9.35	9.12	9.70	9.87	9.93	9.96	9.96	10.02	10.16	10.09	10.23	10.16	10.17	10.23	10.24	10.19	10.31	10.38	10.32	10.40	10.35	10.35	10.34	10.36	0.3%
Residual Fuel	1.97	2.54	2.33	2.77	2.80	2.83	2.84	2.87	2.89	2.94	2.88	3.06	3.14	3.13	3.21	3.22	3.14	3.33	3.35	3.31	3.38	3.45	3.52	3.54	3.59	2.5%
Natural Gas	2.92	2.85	2.61	2.62	2.61	2.61	2.61	2.62	2.63	2.64	2.66	2.69	2.71	2.75	2.80	2.81	2.85	2.87	2.88	2.90	2.92	2.94	3.00	3.03	3.09	0.2%
Coal	1.30	1.26	1.25	1.25	1.23	1.22	1.22	1.21	1.20	1.20	1.18	1.18	1.17	1.17	1.16	1.17	1.16	1.15	1.15	1.15	1.14	1.14	1.13	1.12	1.11	-0.6%
E85 11/	15.85	15.86	15.85	15.55	15.79	15.90	15.93	15.95	16.03	16.26	16.28	16.64	16.55	16.58	16.64	16.68	16.71	16.83	16.93	16.98	17.14	17.28	17.41	17.56	17.72	0.5%
Electricity	17.70	17.58	16.87	16.63	16.49	16.28	16.10	16.04	15.96	15.83	15.63	15.59	15.48	15.39	15.31	14.98	14.67	14.55	14.41	14.22	14.15	14.09	14.00	13.91	13.90	-1.0%
Non-Renewable Energy Expenditures by Sector (billion 1996 dollars)																										
Residential	15.28	14.52	14.91	14.71	15.27	15.73	15.88	16.11	16.34	16.53	16.68	16.98	17.27	17.51	17.81	17.95	18.10	18.26	18.45	18.58	18.89	19.11	19.38	19.63	20.06	1.1%
Commercial	10.14	9.96	9.70	9.83	9.84	9.87	9.92	10.04	10.16	10.25	10.30	10.45	10.55	10.68	10.80	10.76	10.73	10.79	10.82	10.80	10.86	10.92	10.96	10.97	11.04	0.4%
Industrial	43.15	36.64	35.53	37.36	37.85	38.40	39.08	39.69	40.54	41.76	42.07	43.52	44.19	44.82	45.84	45.92	45.88	46.09	46.37	46.48	47.39	47.08	47.89	47.99	48.58	0.5%
Transportation	28.13	27.73	27.70	30.65	31.72	32.75	33.57	34.37	35.37	36.64	37.17	38.46	39.02	39.84	40.60	41.20	41.45	42.56	43.34	43.60	44.31	44.65	45.20	45.64	46.20	2.1%
Total Non-Renewable Expenditure	96.69	88.85	87.84	92.55	94.68	96.74	98.46	100.20	102.41	105.19	106.22	109.42	111.03	112.84	115.04	115.83	116.15	117.70	118.99	119.47	121.46	121.73	123.42	124.17	125.89	1.1%
Transportation Renewable Expenditures	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.03	0.05	0.07	0.10	0.12	0.14	0.16	0.18	0.20	0.22	0.24	0.25	0.26	0.28	0.29	0.30	0.31	21.3%
Total Expenditures.....	96.69	88.85	87.85	92.56	94.69	96.75	98.46	100.21	102.43	105.24	106.29	109.51	111.14	112.98	115.21	116.01	116.35	117.92	119.22	119.72	121.72	122.01	123.71	124.47	126.20	1.1%

1/ Weighted average price includes fuels below as well as coal.

2/ This quantity is the weighted average for all petroleum products, not just those listed below.

3/ Excludes independent power producers.

4/ Includes cogenerators.

5/ Excludes uses for lease and plant fuel.

Table 17. Energy Prices by Sector and Source (Continued)

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

13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

Note: 1996 figures may differ from published data due to internal rounding.

Source: 1996 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94) (Washington, DC, June 1997). 1996 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991. 1996 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(97/6) (Washington, DC, June 1997). Other 1996 natural gas delivered prices: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Values for 1996 coal prices have been estimated from EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94)(Washington, DC, June 1997) by use of consumption quantities aggregated from EIA, State Energy Data Report 1994. Online. <ftp://ftp.eia.doe.gov/pub/state.data/021494.pdf> (August 26, 1997) and the Coal Industry Annual 1996, DOE/EIA-0584(96) (Washington, DC, November 1997). 1996 electricity prices for commercial, industrial, and transportation: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 18. Energy Prices by Sector and Source (Continued)

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

13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

Note: 1996 figures may differ from published data due to internal rounding.

Source: 1996 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94) (Washington, DC, June 1997). 1996 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991. 1996 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(97/6) (Washington, DC, June 1997). Other 1996 natural gas delivered prices: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Values for 1996 coal prices have been estimated from EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94)(Washington, DC, June 1997) by use of consumption quantities aggregated from EIA, State Energy Data Report 1994. Online. <ftp://ftp.eia.doe.gov/pub/state.data/021494.pdf> (August 26, 1997) and the Coal Industry Annual 1996, DOE/EIA-0584(96) (Washington, DC, November 1997). 1996 electricity prices for commercial, industrial, and transportation: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 19. Energy Prices by Sector and Source (Continued)

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

13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

Note: 1996 figures may differ from published data due to internal rounding.

Source: 1996 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94) (Washington, DC, June 1997). 1996 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991. 1996 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(97/6) (Washington, DC, June 1997). Other 1996 natural gas delivered prices: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Values for 1996 coal prices have been estimated from EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94)(Washington, DC, June 1997) by use of consumption quantities aggregated from EIA, State Energy Data Report 1994. Online. <ftp://ftp.eia.doe.gov/pub/state.data/021494.pdf> (August 26, 1997) and the Coal Industry Annual 1996, DOE/EIA-0584(96) (Washington, DC, November 1997). 1996 electricity prices for commercial, industrial, and transportation: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 20. Energy Prices by Sector and Source (Continued)

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

13/ Weighted averages of end-use fuel prices are derived from the prices shown in each sector and the corresponding sectoral consumption.

Btu = British thermal unit.

Note: 1996 figures may differ from published data due to internal rounding.

Source: 1996 prices for all other petroleum products are derived from the EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94) (Washington, DC, June 1997). 1996 industrial gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991. 1996 residential and commercial natural gas delivered prices: EIA, Natural Gas Monthly, DOE/EIA-0130(97/6) (Washington, DC, June 1997). Other 1996 natural gas delivered prices: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Values for 1996 coal prices have been estimated from EIA, State Energy Price and Expenditure Report 1994, DOE/EIA-0376(94)(Washington, DC, June 1997) by use of consumption quantities aggregated from EIA, State Energy Data Report 1994. Online. <ftp://ftp.eia.doe.gov/pub/state.data/021494.pdf> (August 26, 1997) and the Coal Industry Annual 1996, DOE/EIA-0584(96) (Washington, DC, November 1997). 1996 electricity prices for commercial, industrial, and transportation: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 21. Residential Sector Supplement Table																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Equipment Stock (million units)																											
Main Space Heaters																											
Electric Heat Pumps	8.13	8.42	8.70	8.96	9.22	9.47	9.71	9.95	10.19	10.44	10.69	10.93	11.18	11.43	11.68	11.93	12.19	12.45	12.70	12.94	13.19	13.43	13.67	13.92	14.16	2.3%	
Electric Other	17.77	17.88	17.98	18.08	18.16	18.24	18.33	18.41	18.49	18.58	18.67	18.77	18.88	18.99	19.10	19.21	19.33	19.44	19.55	19.66	19.77	19.89	20.00	20.12	20.23	0.5%	
Natural Gas Heat Pumps . . .	0.05	0.06	0.08	0.09	0.10	0.12	0.13	0.14	0.15	0.17	0.18	0.19	0.21	0.22	0.24	0.25	0.26	0.28	0.29	0.31	0.32	0.34	0.36	0.37	0.39	8.9%	
Natural Gas Other	53.77	54.59	55.40	56.21	56.98	57.74	58.49	59.24	59.99	60.75	61.50	62.26	63.02	63.77	64.52	65.27	66.04	66.80	67.54	68.26	68.98	69.71	70.44	71.17	71.88	1.2%	
Distillate	10.03	9.97	9.92	9.87	9.82	9.78	9.74	9.71	9.68	9.65	9.63	9.62	9.61	9.59	9.58	9.57	9.56	9.56	9.55	9.53	9.52	9.50	9.48	9.45	9.42	-0.3%	
Liquid Petroleum Gas	4.90	5.00	5.09	5.17	5.25	5.33	5.40	5.47	5.54	5.61	5.67	5.74	5.81	5.87	5.93	6.00	6.06	6.12	6.17	6.22	6.27	6.31	6.36	6.40	6.44	1.1%	
Kerosene	0.96	0.95	0.94	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.85	0.84	0.83	0.83	0.82	0.81	0.81	0.80	0.79	0.79	0.78	-0.9%	
Wood Stoves	3.06	3.04	3.02	3.01	2.99	2.97	2.95	2.93	2.92	2.90	2.88	2.87	2.85	2.84	2.82	2.81	2.79	2.78	2.76	2.74	2.72	2.70	2.68	2.66	2.63	-0.6%	
Geothermal Heat Pumps . .	0.40	0.46	0.51	0.57	0.62	0.67	0.72	0.77	0.82	0.87	0.92	0.97	1.02	1.07	1.12	1.17	1.22	1.27	1.32	1.38	1.43	1.48	1.53	1.58	1.63	6.0%	
Total	99.07	100.37	101.64	102.89	104.07	105.23	106.37	107.51	108.67	109.84	111.03	112.23	113.44	114.63	115.83	117.05	118.29	119.52	120.71	121.87	123.01	124.16	125.31	126.45	127.56	1.1%	
Space Cooling (million units)																											
Electric Heat Pumps	8.13	8.42	8.70	8.96	9.22	9.47	9.71	9.95	10.19	10.44	10.69	10.93	11.18	11.43	11.68	11.93	12.19	12.45	12.70	12.94	13.19	13.43	13.67	13.92	14.16	2.3%	
Natural Gas Heat Pumps . .	0.05	0.06	0.08	0.09	0.10	0.12	0.13	0.14	0.15	0.17	0.18	0.19	0.21	0.22	0.24	0.25	0.26	0.28	0.29	0.31	0.32	0.34	0.36	0.37	0.39	8.9%	
Geothermal Heat Pumps . .	0.40	0.46	0.51	0.57	0.62	0.67	0.72	0.77	0.82	0.87	0.92	0.97	1.02	1.07	1.12	1.17	1.22	1.27	1.32	1.38	1.43	1.48	1.53	1.58	1.63	6.0%	
Central Air Conditioners . .	37.44	38.43	39.40	40.36	41.27	42.16	43.04	43.92	44.81	45.70	46.59	47.49	48.39	49.27	50.16	51.05	51.96	52.86	53.73	54.58	55.41	56.25	57.09	57.92	58.73	1.9%	
Room Air Conditioners . . .	36.61	36.60	36.58	36.57	36.55	36.53	36.51	36.49	36.48	36.47	36.47	36.47	36.48	36.48	36.49	36.50	36.52	36.53	36.55	36.55	36.56	36.57	36.58	36.59	36.59	-0.0%	
Total	82.64	83.97	85.27	86.54	87.76	88.94	90.11	91.27	92.45	93.65	94.84	96.06	97.27	98.48	99.69	100.91	102.16	103.40	104.60	105.76	106.91	108.07	109.23	110.38	111.50	1.3%	
Water Heaters (million units)																											
Electric	37.90	38.29	38.66	39.03	39.38	39.72	40.08	40.45	40.82	41.21	41.61	41.99	42.37	42.75	43.14	43.53	43.93	44.33	44.72	45.10	45.49	45.88	46.27	46.67	47.06	0.9%	
Natural Gas	53.61	54.36	55.11	55.84	56.54	57.22	57.90	58.57	59.25	59.94	60.63	61.33	62.04	62.73	63.43	64.13	64.85	65.56	66.25	66.92	67.58	68.25	68.92	69.58	70.23	1.1%	
Distillate	4.61	4.62	4.63	4.64	4.65	4.66	4.67	4.68	4.68	4.68	4.69	4.69	4.70	4.71	4.72	4.73	4.74	4.75	4.76	4.76	4.77	4.78	4.78	4.79	4.79	0.2%	
Liquid Petroleum Gas	3.46	3.60	3.74	3.87	3.99	4.11	4.21	4.31	4.40	4.49	4.58	4.69	4.80	4.91	5.02	5.13	5.24	5.34	5.44	5.53	5.62	5.70	5.78	5.85	5.92	2.3%	
Solar Thermal	0.65	0.65	0.64	0.64	0.64	0.64	0.64	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.62	0.61	0.61	0.61	0.61	0.61	0.60	0.60	0.60	-0.3%	
Total	100.23	101.52	102.78	104.03	105.21	106.36	107.50	108.63	109.79	110.95	112.13	113.33	114.53	115.72	116.92	118.13	119.37	120.59	121.78	122.93	124.07	125.21	126.36	127.49	128.60	1.0%	
Cooking Equipment (million units)1/																											
Electric	61.64	62.55	63.44	64.32	65.15	65.98	66.79	67.61	68.44	69.29	70.15	71.03	71.91	72.80	73.69	74.53	75.37	76.20	77.00	78.03	78.90	79.76	80.62	81.48	82.31	1.2%	
Natural Gas	33.23	33.51	33.79	34.06	34.32	34.57	34.81	35.05	35.30	35.54	35.79	36.03	36.27	36.51	36.74	37.02	37.31	37.60	37.89	38.02	38.23	38.45	38.67	38.89	39.10	0.7%	
Liquid Petroleum Gas	5.53	5.61	5.69	5.76	5.83	5.90	5.96	6.03	6.09	6.15	6.22	6.28	6.34	6.40	6.47	6.55	6.64	6.74	6.83	6.82	6.86	6.92	6.97	7.03	7.08	1.0%	
Total	100.39	101.67	102.91	104.14	105.30	106.44	107.57	108.69	109.83	110.98	112.15	113.34	114.53	115.71	116.90	118.10	119.32	120.54	121.72	122.86	123.99	125.13	126.26	127.39	128.49	1.0%	

Table 21. Residential Sector Supplement Table																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Other Appliances (kwh/yr)																										
Refrigerators	1015.6	973.99	935.92	901.94	871.80	844.98	805.85	773.01	743.25	716.51	692.26	670.05	649.65	630.80	613.98	599.15	585.97	574.66	565.01	557.14	550.58	545.42	541.29	538.43	536.20	-2.6%
Freezers	806.91	775.74	745.83	717.23	690.11	664.63	635.98	610.47	586.88	567.06	551.56	538.35	526.19	515.46	505.93	497.98	491.04	484.45	478.79	473.83	469.56	465.90	462.85	460.27	458.22	-2.3%
Build. Shell Efficiency Index(1993=1.0)																										
Space Heating																										
Pre-1994 Homes	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	0.89	0.88	0.88	0.87	0.87	-0.5%
New Construction	0.88	0.87	0.87	0.86	0.85	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.74	0.73	0.72	0.71	0.70	0.69	0.68	0.66	-1.2%
All Homes	0.98	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.93	0.93	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	-0.7%
Space Cooling																										
Pre-1994 Homes	0.99	0.99	0.98	0.98	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.93	0.92	0.92	0.91	0.91	0.91	0.90	0.90	-0.4%
New Construction	0.93	0.93	0.92	0.91	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	-1.0%
All Homes	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.90	0.90	0.89	0.89	0.88	0.88	0.87	-0.5%

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, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 22. Commercial Sector Supplement Table																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Space Cooling																										
Electricity	2.39	2.43	2.46	2.49	2.52	2.56	2.58	2.61	2.64	2.66	2.69	2.71	2.73	2.75	2.77	2.79	2.81	2.82	2.84	2.85	2.87	2.88	2.89	2.90	2.91	0.8%
Natural Gas	1.02	1.06	1.09	1.12	1.14	1.17	1.19	1.21	1.24	1.26	1.28	1.30	1.31	1.33	1.34	1.36	1.37	1.39	1.40	1.41	1.42	1.43	1.44	1.45	1.45	1.5%
Water Heating																										
Electricity	0.90	0.92	0.93	0.94	0.95	0.96	0.97	0.98	0.99	0.99	1.00	1.01	1.02	1.03	1.04	1.04	1.05	1.05	1.06	1.07	1.07	1.08	1.08	1.08	1.09	0.8%
Natural Gas	0.66	0.67	0.69	0.69	0.70	0.71	0.72	0.72	0.73	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.78	0.78	0.78	0.7%
Distillate	0.71	0.71	0.72	0.72	0.73	0.73	0.73	0.74	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	0.76	0.77	0.77	0.77	0.3%
Ventilation 3/																										
Electricity	0.38	0.39	0.39	0.40	0.40	0.40	0.40	0.41	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.42	0.43	0.43	0.44	0.44	0.44	0.44	0.45	0.45	0.45	0.7%
Cooking																										
Electricity	0.52	0.52	0.53	0.53	0.53	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.2%
Natural Gas	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	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	-0.1%
Lighting Efficacy 4/ (efficiency in lumens per Watt)																										
Electricity	52.90	53.12	53.42	53.80	54.36	54.93	55.53	56.14	56.72	57.19	57.68	58.13	58.53	58.90	59.28	59.59	59.84	60.07	60.26	60.47	60.64	60.79	60.96	61.16	61.33	0.6%
Refrigeration																										
Electricity	1.60	1.61	1.61	1.61	1.62	1.62	1.63	1.63	1.63	1.64	1.64	1.64	1.65	1.65	1.65	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.66	1.67	1.67	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 coefficient of performance (COP). The COP is measured as 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 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.

Btu = British thermal unit.

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

Source: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 23. Industrial Sector Macroeconomic Indicators																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
GDP (billion 1987 dollars)	6928.4	7163.7	7332.3	7489.1	7652.8	7814.8	7972.4	8130.4	8312.0	8503.5	8693.9	8880.3	9072.9	9254.6	9431.2	9600.1	9774.1	9931.7	10073	10211	10348	10494	10635	10772	10900	1.9%
Non-Agricultural Employment (million)	119.5	123.1	125.3	126.8	128.1	129.6	131.0	132.3	133.8	135.5	137.4	139.1	140.8	142.4	143.9	145.3	146.5	147.5	148.4	149.2	150.0	150.9	151.7	152.6	153.4	1.0%
Value of Gross Output (billion 1987 dollars)																										
Nonmanufacturing Sector																										
Agricultural	228.9	234.6	240.3	243.0	246.3	250.5	254.9	257.3	260.5	264.3	268.1	271.6	275.0	278.2	281.2	284.0	286.1	288.2	290.1	292.3	294.2	296.1	297.9	299.8	301.3	1.2%
Mining	135.2	136.4	137.5	140.3	140.2	141.8	142.8	144.1	145.1	146.6	148.0	149.7	151.3	152.4	153.5	154.3	155.0	155.4	155.4	155.6	155.7	156.6	156.8	157.1	156.9	0.6%
Construction	410.2	423.6	434.5	441.5	448.4	456.7	463.1	467.7	475.6	486.3	497.2	507.0	516.9	525.5	534.2	542.5	551.5	559.8	565.7	570.9	577.3	585.3	592.3	599.0	603.4	1.6%
Manufacturing Sector																										
Food & Kindred Products	388.6	393.9	402.4	409.6	416.2	422.5	429.2	435.3	442.0	449.2	456.5	463.4	470.3	476.8	482.9	488.8	493.6	498.1	502.6	507.1	511.1	515.1	518.8	522.5	525.9	1.3%
Tobacco Products	27.3	27.4	26.9	26.4	26.0	25.5	25.1	24.6	24.3	24.0	23.6	23.3	22.9	22.5	22.1	21.7	21.3	20.8	20.3	19.8	19.3	18.9	18.5	18.0	17.5	-1.8%
Textile Mill Products	71.1	74.3	73.8	73.1	73.7	75.1	76.5	77.3	79.0	81.0	82.8	84.2	85.8	87.3	88.6	89.6	90.6	91.3	91.7	92.1	92.3	92.8	93.1	93.3	93.3	1.1%
Apparel & Other Textile Products	69.6	70.5	68.7	65.7	65.0	65.6	66.4	66.2	67.1	68.1	68.8	69.1	69.8	70.6	71.0	71.1	70.9	70.6	69.9	69.2	68.4	67.5	66.5	65.4	63.8	-0.4%
Lumber & Wood Products	75.5	77.9	79.4	80.8	81.1	82.3	83.2	83.4	84.6	86.1	87.7	89.1	90.3	90.9	91.8	92.7	93.7	94.1	93.9	93.5	93.4	93.9	94.1	94.2	93.7	0.9%
Furniture and Fixtures	41.7	43.9	45.1	45.2	45.9	47.0	47.9	48.0	48.3	48.6	49.1	49.9	50.5	51.1	51.5	51.9	52.0	51.9	51.8	51.6	51.5	51.2	51.1	50.9	50.5	0.8%
Paper & Allied Products	119.8	124.7	126.4	129.0	131.3	133.7	136.3	138.3	140.6	143.1	145.3	147.5	149.6	151.6	153.5	155.1	156.5	157.5	158.2	159.0	159.6	160.4	160.9	161.6	162.1	1.3%
Printing & Publishing	137.7	141.9	143.4	144.3	146.1	147.6	149.6	151.2	153.4	155.7	158.2	160.5	162.7	164.7	166.4	168.1	169.5	170.7	171.6	172.4	173.0	173.8	174.5	175.1	175.6	1.0%
Chemical & Allied Products	274.1	285.8	281.9	284.6	289.6	295.4	300.5	304.0	308.8	313.7	318.9	323.7	328.2	332.7	336.8	340.5	343.6	345.4	346.6	348.0	349.2	350.8	352.1	353.6	354.3	1.1%
Bulk Chemicals	151.2	158.8	153.8	155.2	157.9	160.9	163.5	165.3	167.7	170.3	173.3	176.1	178.6	181.1	183.3	185.4	186.8	187.3	187.6	188.0	188.3	189.1	189.5	190.4	190.8	1.0%
Other Chemicals and Allied Products	122.9	127.0	128.1	129.4	131.7	134.5	137.0	138.8	141.1	143.4	145.6	147.6	149.6	151.6	153.5	155.1	156.7	158.0	159.0	160.0	160.9	161.7	162.5	163.2	163.5	1.2%
Petroleum & Coal Products	150.9	153.4	154.7	158.9	161.1	163.3	166.8	168.7	171.6	173.6	175.3	177.0	178.1	177.9	179.6	180.9	180.0	182.6	183.5	184.0	185.4	185.5	185.8	186.1	187.3	0.9%
Petroleum Refining	136.0	138.0	139.0	142.9	144.9	146.7	150.0	151.5	154.2	155.8	157.1	158.5	159.3	158.7	160.1	161.1	160.0	162.4	163.2	163.6	164.8	164.8	165.0	165.1	166.2	0.8%
Other Petroleum and Coal Products	14.9	15.5	15.7	15.9	16.2	16.6	16.9	17.1	17.4	17.8	18.2	18.5	18.8	19.2	19.5	19.7	20.0	20.2	20.3	20.5	20.6	20.8	20.9	21.0	21.1	1.5%
Rubber and Miscellaneous																										
Plastic Products	119.6	126.7	128.6	132.4	137.1	142.0	147.1	151.9	157.7	164.0	170.5	176.8	182.8	188.6	194.2	199.5	204.2	208.0	211.2	214.7	218.3	222.5	226.2	230.5	233.8	2.8%
Leather & Leather Products	6.8	6.6	6.0	5.4	5.2	5.3	5.3	5.0	4.9	4.8	4.7	4.5	4.4	4.3	4.2	4.1	3.8	3.6	3.3	3.0	2.8	2.5	2.2	1.9	1.5	-6.0%
Stone, Clay, & Glass Products	64.3	66.0	66.2	65.8	66.3	67.4	68.2	68.6	69.5	70.6	71.7	72.5	73.4	74.0	74.7	75.2	75.8	76.0	75.8	75.5	75.5	75.7	75.6	75.6	75.1	0.7%
Glass and Glass Products	17.6	17.9	17.6	17.5	17.6	17.9	18.1	18.3	18.7	19.0	19.3	19.7	20.0	20.3	20.5	20.8	20.9	21.0	21.0	21.1	21.1	21.2	21.2	21.3	21.3	0.8%
Cement, Hydraulic	4.5	4.5	4.5	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.7	4.7	4.7	0.2%
Other Stone, Clay, & Glass Products	42.2	43.7	44.0	43.7	44.1	44.9	45.4	45.5	46.1	46.9	47.6	48.1	48.6	48.9	49.3	49.6	50.0	50.1	49.9	49.7	49.6	49.7	49.7	49.6	49.2	0.6%

Table 23. Industrial Sector Macroeconomic Indicators																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Primary Metals Industry ...	143.3	150.7	148.3	149.5	149.6	151.6	154.3	154.2	155.2	156.1	157.5	158.2	159.7	160.7	161.5	162.2	162.7	162.2	161.2	160.7	160.4	160.8	160.6	160.9	160.5	0.5%
Blast Furnace and Basic Steel Products	67.6	71.0	70.5	70.7	69.8	70.6	72.6	72.1	72.2	72.3	72.9	72.7	73.4	73.8	74.0	74.3	74.6	74.4	74.0	73.8	73.8	74.1	74.1	74.2	74.1	0.4%
Aluminum	27.3	28.5	28.2	28.4	28.8	29.2	29.6	29.8	30.0	30.2	30.3	30.5	30.6	30.8	31.0	31.1	31.2	31.1	30.9	30.8	30.7	30.7	30.6	30.6	30.5	0.5%
Other Primary Metal Products	48.4	51.2	49.6	50.4	50.9	51.8	52.2	52.3	52.9	53.6	54.3	55.0	55.6	56.1	56.5	56.8	57.0	56.7	56.3	56.0	55.9	56.0	55.9	56.0	55.9	0.6%
Fabricated Metal Products .	172.5	179.6	180.0	181.7	185.1	189.0	192.3	195.3	199.2	203.5	207.9	211.4	215.1	218.3	221.4	224.1	226.6	228.0	228.6	229.5	230.5	232.3	233.5	235.0	235.7	1.3%
Industrial Machinery & Equipment	313.3	331.5	341.2	350.5	363.5	379.0	394.8	408.0	422.5	439.0	454.6	468.9	482.6	496.1	509.5	523.2	535.6	547.9	558.0	571.4	584.0	599.6	613.7	632.6	650.1	3.1%
Electronic & Other Electric Equipment	298.7	322.9	333.2	348.1	370.2	392.4	414.4	444.8	481.9	523.4	568.1	612.2	650.6	689.9	729.4	767.6	798.3	822.3	842.6	867.1	893.5	925.3	953.6	989.2	1017.6	5.2%
Transportation Equipment .	397.2	417.1	419.7	423.5	436.0	444.8	452.3	469.2	488.9	500.7	511.7	522.3	535.8	547.5	558.4	567.2	576.7	583.0	587.0	591.3	595.1	600.4	604.9	608.5	610.8	1.8%
Instruments & Related Products	118.0	123.5	126.1	128.7	133.3	137.7	140.9	144.0	147.4	151.8	156.9	162.2	166.5	170.8	175.0	179.0	182.6	185.4	188.0	190.7	193.5	196.3	199.3	202.3	205.3	2.3%
Miscellaneous Manufacturing Industries	40.1	42.4	42.2	41.9	42.0	42.5	42.9	42.8	43.1	43.6	44.2	44.6	45.1	45.6	46.0	46.2	46.3	46.2	45.9	45.6	45.2	44.8	44.3	43.7	42.9	0.3%
Total Industrial Gross Output	3804.5	3955.3	4006.7	4069.9	4159.3	4258.7	4354.8	4449.7	4571.2	4697.7	4827.4	4949.7	5067.7	5178.1	5287.3	5389.2	5476.8	5548.8	5602.8	5665.0	5729.3	5808.1	5876.2	5956.9	6018.8	1.9%

GDP = Gross domestic product.

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

Sources: 1995 and 1996: Data Resources Incorporated (DRI), DRI Trend0897. Projections: Energy Information Administration, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 24. Refining Industry Energy Consumption																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Industry Output (billion 1987 dollar)	136.04	137.96	139.02	142.91	144.88	146.74	149.96	151.54	154.17	155.79	157.14	158.51	159.28	158.68	160.10	161.14	160.03	162.41	163.15	163.55	164.81	164.76	164.97	165.12	166.18	0.8%	
Energy Consumption (trillion Btu)																											
Residual Oil	36.2	56.2	31.2	36.0	37.2	37.5	11.8	11.5	11.5	11.9	12.2	12.7	12.9	13.1	13.4	23.1	13.3	13.7	14.0	13.7	44.3	33.1	31.2	13.7	44.2	0.8%	
Distillate Oil	4.3	4.3	4.4	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
Liquefied Petroleum Gas	18.9	19.3	19.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.1	0.9	1.3	1.4	1.4	4.1	0.0	0.6	1.5	1.9	2.7	1.4	1.2	0.5	2.4	-8.3%	
Petroleum Coke	526.3	535.6	539.3	543.6	508.7	515.6	514.4	513.1	507.0	509.7	508.5	507.8	518.5	525.7	520.7	506.5	516.8	510.9	515.4	528.7	534.3	512.1	522.7	526.3	531.4	0.0%	
Still Gas	1434.9	1460.2	1470.3	1667.7	1716.3	1741.8	1783.2	1792.7	1814.1	1847.8	1901.2	1892.4	1902.3	1918.2	1923.7	1913.9	2002.2	1959.2	1979.4	2018.5	2018.5	2002.1	2010.0	2035.8	1971.4	1.3%	
Other Petroleum 2/	35.9	36.6	36.8	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	N/A	
Petroleum Subtotal	2056.6	2112.2	2101.4	2247.3	2262.2	2294.9	2309.4	2317.2	2332.6	2369.5	2423.1	2413.9	2434.9	2458.4	2459.1	2447.7	2532.3	2484.4	2510.4	2562.7	2599.9	2548.6	2565.2	2576.4	2549.3	0.9%	
Natural Gas 3/	799.8	813.9	819.6	921.7	1016.0	1022.8	1065.7	1082.5	1106.9	1095.9	1082.9	1102.5	1079.2	1078.5	1080.1	1088.3	1040.9	1070.0	1059.6	1035.2	1004.6	1057.2	1043.9	1028.5	1029.7	1.1%	
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	111.6	112.3	144.4	155.4	158.8	166.8	170.5	176.3	181.6	188.7	190.6	193.6	196.4	198.6	201.1	203.1	203.0	204.7	207.7	210.6	209.1	210.5	214.4	214.4	2.8%	
Total	2969.1	3040.9	3036.5	3313.4	3433.6	3476.4	3541.9	3570.2	3615.7	3646.9	3694.7	3707.0	3707.7	3733.2	3737.8	3737.0	3776.2	3757.4	3774.8	3805.6	3815.1	3814.9	3819.6	3819.3	3793.4	1.0%	
Energy Consumption per Unit of Output (thousand Btu per 1987 dollars output)																											
Residual Oil	0.27	0.41	0.22	0.25	0.26	0.26	0.08	0.08	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.14	0.08	0.08	0.09	0.08	0.27	0.20	0.19	0.08	0.27	-0.0%	
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	0.00	N/A
Liquefied Petroleum Gas	0.14	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.03	0.00	0.00	0.01	0.01	0.02	0.01	0.01	0.00	0.01	0.01	-9.0%
Petroleum Coke	3.87	3.88	3.88	3.80	3.51	3.51	3.43	3.39	3.29	3.27	3.24	3.20	3.26	3.31	3.25	3.14	3.23	3.15	3.16	3.23	3.24	3.11	3.17	3.19	3.20	-0.8%	
Still Gas	10.55	10.58	10.58	11.67	11.85	11.87	11.89	11.83	11.77	11.86	12.10	11.94	11.94	12.09	12.02	11.88	12.51	12.06	12.13	12.34	12.25	12.15	12.18	12.33	11.86	0.5%	
Other Petroleum 2/	0.26	0.27	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	15.12	15.31	15.12	15.73	15.61	15.64	15.40	15.29	15.13	15.21	15.42	15.23	15.29	15.49	15.36	15.19	15.82	15.30	15.39	15.67	15.77	15.47	15.55	15.60	15.34	0.1%	
Natural Gas 3/	5.88	5.90	5.90	6.45	7.01	6.97	7.11	7.14	7.18	7.03	6.89	6.96	6.78	6.80	6.75	6.75	6.50	6.59	6.49	6.33	6.10	6.42	6.33	6.23	6.20	0.2%	
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	0.81	0.81	0.81	1.01	1.07	1.08	1.11	1.12	1.14	1.17	1.20	1.20	1.22	1.24	1.24	1.25	1.27	1.25	1.25	1.27	1.28	1.27	1.28	1.30	1.29	2.0%	
Total	21.83	22.04	21.84	23.19	23.70	23.69	23.62	23.56	23.45	23.41	23.51	23.39	23.28	23.53	23.35	23.19	23.60	23.14	23.14	23.27	23.15	23.15	23.15	23.13	22.83	0.2%	

1/ Fuel consumption includes consumption for cogeneration.

2/ Includes lubricants and miscellaneous petroleum products.

3/ Does not include lease and plant fuel.

Btu = British thermal unit.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 25. Food Industry Energy Consumption																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Industry Output (billion 1987 dollars)	388.55	393.93	402.42	409.61	416.19	422.49	429.21	435.26	441.96	449.22	456.53	463.40	470.31	476.78	482.91	488.78	493.56	498.08	502.55	507.09	511.08	515.07	518.79	522.54	525.92	1.3%
Energy Consumption (trillion Btu)																										
Residual Oil	27.2	28.2	28.0	28.2	28.3	28.5	28.8	28.9	29.1	29.4	29.9	29.8	30.0	30.4	30.5	30.8	31.1	30.8	30.7	31.0	31.0	31.0	31.1	31.1	31.1	0.6%
Distillate Oil	10.8	11.3	11.2	11.2	11.3	11.3	11.4	11.4	11.5	11.6	11.8	11.7	11.9	12.0	12.0	12.1	12.3	12.2	12.1	12.2	12.2	12.3	12.2	12.3	12.3	0.5%
Liquefied Petroleum Gas	3.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	0.6%
Other Petroleum 2/	63.4	66.7	65.4	65.6	65.5	65.6	66.0	65.5	66.0	66.3	67.7	66.8	67.3	68.2	68.1	68.6	69.5	68.4	68.1	68.9	68.8	68.9	68.5	68.2	68.7	0.3%
Petroleum Subtotal	104.4	109.5	107.8	108.2	108.3	108.7	109.4	109.0	109.8	110.5	112.7	111.6	112.5	114.0	114.0	115.0	116.3	114.8	114.4	115.5	115.6	115.6	115.2	115.0	115.6	0.4%
Natural Gas 3/	514.9	514.2	530.9	537.0	542.4	545.1	550.7	555.6	560.5	565.5	569.4	573.4	577.5	580.5	584.5	585.8	587.0	590.0	591.5	592.6	593.9	593.9	593.8	594.1	592.6	0.6%
Steam Coal	176.5	179.1	179.4	181.7	183.3	186.1	188.1	190.2	192.3	195.1	197.9	200.6	202.8	205.0	206.8	208.5	209.6	210.5	211.5	212.5	213.4	214.2	215.1	216.0	216.8	0.9%
Renewables	39.1	39.4	40.1	40.9	41.4	42.0	42.5	43.1	43.7	44.4	45.1	45.9	46.6	47.2	47.8	48.2	48.5	49.0	49.2	49.5	49.8	50.1	50.3	50.7	51.0	1.1%
Purchased Electricity	167.9	169.3	168.3	171.0	173.9	177.3	179.2	181.3	183.7	186.4	188.9	192.7	195.1	197.4	199.4	202.7	204.4	206.1	207.9	209.4	210.7	212.6	214.3	216.2	217.6	1.1%
Total	1002.8	1011.6	1026.5	1038.7	1049.2	1059.3	1070.0	1079.2	1089.9	1101.8	1113.9	1124.2	1134.5	1144.0	1152.6	1160.3	1165.9	1170.4	1174.6	1179.6	1183.4	1186.4	1188.7	1191.9	1193.7	0.7%
Energy Consumption per Unit of Output (thousand Btu per 1987 dollars output)																										
Residual Oil	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-0.7%
Distillate Oil	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-0.7%
Liquefied Petroleum Gas	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.6%
Other Petroleum 2/	0.16	0.17	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.13	-0.9%
Petroleum Subtotal	0.27	0.28	0.27	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	-0.8%
Natural Gas 3/	1.33	1.31	1.32	1.31	1.30	1.29	1.28	1.28	1.27	1.26	1.25	1.24	1.23	1.22	1.21	1.20	1.19	1.18	1.18	1.17	1.16	1.15	1.14	1.14	1.13	-0.7%
Steam Coal	0.45	0.45	0.45	0.44	0.44	0.44	0.44	0.44	0.44	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.42	0.41	0.41	0.41	-0.4%
Renewables	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	-0.2%
Purchased Electricity	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.41	0.42	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	-0.2%
Total	2.58	2.57	2.55	2.54	2.52	2.51	2.49	2.48	2.47	2.45	2.44	2.43	2.41	2.40	2.39	2.37	2.36	2.35	2.34	2.33	2.32	2.30	2.29	2.28	2.27	-0.5%

1/ Fuel consumption includes consumption for cogeneration.

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

3/ Does not include lease and plant fuel.

Btu = British thermal unit.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 26. Paper Industry Energy Consumption																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Industry Output (billion 1987 dollars)	119.83	124.72	126.39	128.95	131.30	133.73	136.30	138.29	140.58	143.05	145.35	147.53	149.63	151.63	153.45	155.08	156.46	157.46	158.22	158.98	159.62	160.38	160.95	161.64	162.07	1.3%
Energy Consumption (trillion Btu)																										
Residual Oil	170.2	174.6	170.8	170.0	168.0	166.1	164.8	162.5	161.1	159.6	158.9	156.1	154.1	153.0	150.5	148.8	147.3	143.5	140.2	138.2	135.6	132.9	130.2	127.6	125.0	-1.3%
Distillate Oil	5.1	5.2	5.1	5.0	5.0	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.4	4.2	4.2	4.1	4.0	3.9	3.9	3.8	3.7	-1.3%
Liquefied Petroleum Gas	1.3	1.4	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	1.2	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	-1.2%
Other Petroleum 2/	25.2	25.9	25.4	25.0	24.8	24.6	24.5	24.2	24.0	23.8	23.8	23.4	23.1	22.9	22.6	22.4	22.2	21.6	21.2	21.0	20.6	20.2	19.8	19.5	19.1	-1.2%
Petroleum Subtotal	201.9	207.1	202.6	201.4	199.1	197.0	195.4	192.7	191.1	189.4	188.6	185.3	182.9	181.6	178.8	176.7	175.1	170.5	166.6	164.3	161.3	158.1	154.9	151.8	148.8	-1.3%
Natural Gas 3/	542.7	540.4	543.4	540.3	538.1	534.4	531.8	528.0	524.5	520.8	516.0	511.4	506.6	500.7	494.8	488.6	481.8	474.9	467.3	460.0	452.6	444.6	435.6	427.8	418.8	-1.1%
Steam Coal	387.2	390.3	383.8	383.0	381.1	380.9	379.9	378.2	376.5	375.8	374.4	373.4	371.3	368.8	365.9	362.7	359.3	354.6	349.8	345.2	340.9	335.7	330.7	326.1	321.0	-0.8%
Renewables	1233.2	1270.3	1279.8	1297.4	1313.2	1329.5	1347.3	1360.2	1376.0	1393.4	1409.4	1424.5	1439.3	1453.1	1465.5	1476.5	1485.1	1490.7	1494.5	1498.4	1501.1	1504.8	1507.1	1510.4	1512.3	0.9%
Purchased Electricity	196.2	203.8	203.9	205.9	207.7	209.8	211.7	213.0	214.6	216.5	218.0	219.8	221.2	222.4	223.5	224.4	224.8	224.9	224.7	224.2	223.6	223.3	222.9	222.5	222.0	0.5%
Total	2561.1	2611.8	2613.5	2628.0	2639.3	2651.5	2666.1	2672.2	2682.7	2695.9	2706.5	2714.3	2721.3	2726.6	2728.4	2728.9	2726.1	2715.6	2702.8	2692.1	2679.4	2666.5	2651.1	2638.6	2622.9	0.1%
Energy Consumption per Unit of Output (thousand Btu per 1987 dollars output)																										
Residual Oil	1.42	1.40	1.35	1.32	1.28	1.24	1.21	1.17	1.15	1.12	1.09	1.06	1.03	1.01	0.98	0.96	0.94	0.91	0.89	0.87	0.85	0.83	0.81	0.79	0.77	-2.5%
Distillate Oil	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	-2.5%
Liquefied Petroleum Gas	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-2.4%
Other Petroleum 2/	0.21	0.21	0.20	0.19	0.19	0.18	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.12	0.12	0.12	-2.4%
Petroleum Subtotal	1.68	1.66	1.60	1.56	1.52	1.47	1.43	1.39	1.36	1.32	1.30	1.26	1.22	1.20	1.16	1.14	1.12	1.08	1.05	1.03	1.01	0.99	0.96	0.94	0.92	-2.5%
Natural Gas 3/	4.53	4.33	4.30	4.19	4.10	4.00	3.90	3.82	3.73	3.64	3.55	3.47	3.39	3.30	3.22	3.15	3.08	3.02	2.95	2.89	2.84	2.77	2.71	2.65	2.58	-2.3%
Steam Coal	3.23	3.13	3.04	2.97	2.90	2.85	2.79	2.73	2.68	2.63	2.58	2.53	2.48	2.43	2.38	2.34	2.30	2.25	2.21	2.17	2.14	2.09	2.05	2.02	1.98	-2.0%
Renewables	10.29	10.18	10.13	10.06	10.00	9.94	9.88	9.84	9.79	9.74	9.70	9.66	9.62	9.58	9.55	9.52	9.49	9.47	9.45	9.43	9.40	9.38	9.36	9.34	9.33	-0.4%
Purchased Electricity	1.64	1.63	1.61	1.60	1.58	1.57	1.55	1.54	1.53	1.51	1.50	1.49	1.48	1.47	1.46	1.45	1.44	1.43	1.42	1.41	1.40	1.39	1.39	1.38	1.37	-0.7%
Total	21.37	20.94	20.68	20.38	20.10	19.83	19.56	19.32	19.08	18.85	18.62	18.40	18.19	17.98	17.78	17.60	17.42	17.25	17.08	16.93	16.79	16.63	16.47	16.32	16.18	-1.2%

1/ Fuel consumption includes consumption for cogeneration.

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

3/ Does not include lease and plant fuel.

Btu = British thermal unit.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 27. Bulk Chemical Industry Energy Consumption																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Feedstock																										
Liquefied Petroleum Gas .	11.0	10.9	10.9	10.9	10.9	10.8	10.8	10.8	10.7	10.7	10.7	10.7	10.6	10.6	10.6	10.6	10.6	10.6	10.5	10.5	10.5	10.5	10.5	10.5	10.5	-0.2%
Petrochemical Feedstocks	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	-0.2%
Petroleum Subtotal	16.3	16.2	16.2	16.2	16.2	16.1	16.0	16.0	16.0	15.9	15.9	15.9	15.8	15.8	15.8	15.7	15.7	15.7	15.7	15.7	15.7	15.6	15.6	15.6	15.6	-0.2%
Natural Gas 2/	4.1	4.1	4.2	4.2	4.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	-0.2%
Total Feedstocks	20.4	20.4	20.4	20.4	20.4	20.1	20.1	20.0	20.0	20.0	19.9	19.9	19.8	19.8	19.8	19.7	19.7	19.7	19.7	19.7	19.6	19.6	19.6	19.6	19.6	-0.2%
Total	36.4	36.2	36.2	36.1	36.0	35.6	35.5	35.4	35.2	35.1	34.9	34.8	34.7	34.6	34.4	34.3	34.2	34.1	34.1	34.0	33.9	33.8	33.7	33.6	33.5	-0.3%

1/ Fuel consumption includes consumption for cogeneration.

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

3/ Does not include lease and plant fuel.

Btu = British thermal unit.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 28. Glass Industry Energy Consumption																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Industry Output (billion 1987 dollars)	17.57	17.89	17.61	17.50	17.60	17.86	18.11	18.35	18.65	19.00	19.35	19.65	19.98	20.28	20.54	20.76	20.93	21.00	21.02	21.05	21.09	21.18	21.21	21.29	21.30	0.8%
Energy Consumption (trillion Btu)																										
Residual Oil	3.7	4.4	3.9	4.0	4.1	4.0	4.0	3.8	3.8	3.8	3.9	3.7	3.7	3.8	3.6	3.7	3.7	3.5	3.4	3.4	3.3	3.4	3.3	3.2	3.2	-0.6%
Distillate Oil	3.0	3.3	3.0	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	-1.1%
Liquefied Petroleum Gas	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	0.1	0.3%
Other Petroleum 2/	2.1	2.3	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.9	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	-1.3%
Petroleum Subtotal	8.9	10.1	9.1	9.0	8.9	8.8	8.8	8.5	8.5	8.4	8.5	8.2	8.1	8.3	8.0	8.1	8.1	7.7	7.5	7.5	7.4	7.4	7.3	7.2	7.1	-0.9%
Natural Gas 3/	218.3	217.2	215.6	212.6	211.1	210.7	211.0	211.1	211.5	212.1	212.5	212.5	212.9	212.5	212.6	211.1	209.8	208.3	206.2	203.8	201.8	199.7	197.4	195.3	192.7	-0.5%
Steam Coal	1.4	1.4	1.3	1.3	1.3	1.3	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	1.4	1.3	1.3	1.3	1.4	1.4	-0.1%
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	60.8	62.2	58.9	58.4	58.8	59.9	60.2	60.5	61.1	61.9	62.6	63.7	64.3	65.0	65.3	66.4	66.7	66.7	66.7	66.8	66.8	67.1	67.2	67.5	67.6	0.4%
Total	289.3	291.0	284.9	281.3	280.1	280.7	281.2	281.4	282.4	283.7	285.0	285.7	286.7	287.2	287.3	287.0	286.0	284.1	281.7	279.5	277.3	275.5	273.2	271.3	268.7	-0.3%
Energy Consumption per Unit of Output (thousand Btu per 1987 output)																										
Residual Oil	0.21	0.24	0.22	0.23	0.23	0.22	0.22	0.21	0.20	0.20	0.20	0.19	0.18	0.19	0.18	0.18	0.18	0.17	0.16	0.16	0.16	0.16	0.16	0.15	0.15	-1.4%
Distillate Oil	0.17	0.19	0.17	0.16	0.16	0.16	0.15	0.15	0.14	0.14	0.14	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.11	-1.9%
Liquefied Petroleum Gas	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.5%
Other Petroleum 2/	0.12	0.13	0.12	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	-2.1%
Petroleum Subtotal	0.50	0.57	0.52	0.51	0.51	0.49	0.48	0.46	0.45	0.44	0.44	0.42	0.41	0.41	0.39	0.39	0.39	0.37	0.36	0.36	0.35	0.35	0.34	0.34	0.33	-1.7%
Natural Gas 3/	12.43	12.14	12.24	12.15	11.99	11.80	11.65	11.51	11.34	11.16	10.99	10.81	10.66	10.48	10.35	10.17	10.02	9.92	9.81	9.68	9.57	9.43	9.30	9.17	9.05	-1.3%
Steam Coal	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-0.9%
Renewables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	3.46	3.48	3.34	3.34	3.34	3.35	3.32	3.30	3.28	3.26	3.24	3.24	3.22	3.21	3.18	3.20	3.19	3.18	3.17	3.17	3.17	3.17	3.17	3.17	3.17	-0.4%
Total	16.47	16.27	16.17	16.07	15.92	15.72	15.53	15.34	15.14	14.93	14.73	14.54	14.35	14.16	13.99	13.82	13.67	13.53	13.41	13.28	13.15	13.01	12.88	12.74	12.62	-1.1%

1/ Fuel consumption includes consumption for cogeneration.

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

3/ Does not include lease and plant fuel.

Btu = British thermal unit.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 29. Cement Industry Energy Consumption																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Industry Output (billion 1987 dollars)	4.47	4.46	4.53	4.59	4.60	4.66	4.71	4.69	4.69	4.73	4.78	4.82	4.85	4.86	4.87	4.88	4.89	4.88	4.85	4.81	4.78	4.76	4.74	4.71	4.65	0.2%
Energy Consumption (trillion Btu)																										
Residual Oil	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	-1.8%
Distillate Oil	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	-1.5%
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	0.0	N/A
Other Petroleum 2/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Petroleum Subtotal	2.2	2.4	2.3	2.3	2.2	2.2	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5	-1.6%
Natural Gas 3/	46.8	45.0	49.1	48.8	48.3	47.9	47.7	46.9	46.5	46.2	45.9	45.1	44.7	43.9	43.2	42.6	42.0	41.5	40.9	40.1	39.6	38.8	38.0	37.2	36.0	-1.1%
Steam Coal	271.2	270.3	267.6	268.7	267.6	268.5	268.4	266.4	265.0	264.7	264.9	265.2	264.8	263.9	263.2	261.9	260.5	258.7	256.0	253.1	250.9	249.0	246.9	244.8	241.6	-0.5%
Renewables	5.9	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.3	5.2	5.1	5.1	5.0	5.0	-0.7%
Purchased Electricity	38.0	37.7	37.8	38.1	38.3	38.8	39.0	38.7	38.8	39.0	39.4	39.6	39.9	39.9	40.0	40.3	40.5	40.3	40.1	39.9	39.6	39.5	39.3	39.0	38.6	0.1%
Total	364.0	361.1	362.6	363.7	362.2	363.1	363.0	359.8	358.0	357.6	357.8	357.5	356.8	355.1	353.7	352.1	350.3	347.7	344.0	340.1	337.0	334.1	330.8	327.6	322.6	-0.5%
Energy Consumption per Unit of Output (thousand Btu per 1987 output)																										
Residual Oil	0.24	0.26	0.25	0.25	0.24	0.23	0.23	0.22	0.21	0.21	0.21	0.19	0.19	0.19	0.18	0.18	0.18	0.17	0.16	0.16	0.16	0.16	0.16	0.15	0.15	-2.0%
Distillate Oil	0.25	0.27	0.26	0.25	0.24	0.24	0.23	0.22	0.22	0.21	0.21	0.20	0.20	0.20	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	-1.6%
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	0.00	N/A
Other Petroleum 2/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Petroleum Subtotal	0.49	0.53	0.51	0.50	0.48	0.47	0.46	0.44	0.43	0.42	0.39	0.39	0.38	0.37	0.37	0.35	0.35	0.35	0.35	0.34	0.34	0.33	0.32	0.32	0.32	-1.8%
Natural Gas 3/	10.45	10.09	10.84	10.62	10.49	10.26	10.13	10.01	9.91	9.77	9.60	9.37	9.21	9.03	8.87	8.71	8.59	8.51	8.43	8.35	8.28	8.15	8.02	7.89	7.74	-1.2%
Steam Coal	60.64	60.59	59.09	58.54	58.13	57.57	57.03	56.85	56.47	55.97	55.43	55.04	54.61	54.32	53.99	53.62	53.24	52.99	52.84	52.66	52.47	52.27	52.11	51.96	51.95	-0.6%
Renewables	1.31	1.30	1.28	1.27	1.26	1.24	1.23	1.22	1.21	1.20	1.18	1.17	1.16	1.15	1.14	1.13	1.12	1.12	1.11	1.11	1.10	1.09	1.09	1.08	1.08	-0.8%
Purchased Electricity	8.49	8.44	8.34	8.30	8.32	8.31	8.28	8.27	8.26	8.25	8.24	8.23	8.22	8.21	8.20	8.24	8.27	8.26	8.27	8.30	8.28	8.28	8.29	8.29	8.30	-0.1%
Total	81.38	80.95	80.07	79.23	78.69	77.85	77.13	76.79	76.29	75.60	74.87	74.20	73.59	73.10	72.57	72.08	71.61	71.23	70.99	70.76	70.46	70.13	69.83	69.54	69.38	-0.7%

1/ Fuel consumption includes consumption for cogeneration.

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

3/ Does not include lease and plant fuel.

Btu = British thermal unit.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 30. Iron and Steel Industries Energy Consumption																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Industry Output (billion 1987 dollars)	67.59	71.00	70.50	70.71	69.84	70.62	72.60	72.07	72.20	72.30	72.95	72.73	73.45	73.81	74.04	74.27	74.58	74.43	74.03	73.82	73.80	74.12	74.14	74.24	74.06	0.4%
Energy Consumption (trillion Btu)																										
Residual Oil	75.5	80.6	76.9	73.5	72.0	72.1	72.5	71.2	70.6	69.8	70.5	68.3	67.4	67.7	66.5	66.5	66.9	64.4	63.0	63.1	62.4	61.5	60.8	60.5	59.8	-1.0%
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	N/A
Liquefied Petroleum Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Other Petroleum 2/	17.4	17.5	17.3	17.2	17.0	16.9	16.9	16.7	16.6	16.4	16.3	16.2	16.1	16.0	15.9	15.8	15.7	15.5	15.4	15.2	15.1	15.0	14.9	14.8	14.6	-0.7%
Petroleum Subtotal	92.9	98.1	94.2	90.6	88.9	89.0	89.4	87.9	87.1	86.2	86.8	84.5	83.5	83.7	82.4	82.3	82.6	79.9	78.4	78.3	77.5	76.5	75.7	75.3	74.5	-0.9%
Natural Gas 3/	582.8	593.5	600.8	602.6	594.7	594.2	605.6	601.7	600.9	600.2	601.9	598.3	602.5	602.3	604.1	601.3	601.8	601.6	597.3	594.1	592.9	592.8	590.7	588.6	585.5	0.0%
Metallurgical Coal 4/	997.3	1013.6	1004.5	1000.2	988.3	987.9	995.7	986.6	982.0	977.4	976.5	969.7	969.2	966.4	962.8	959.2	956.2	950.2	942.7	936.5	931.6	929.0	924.5	920.6	915.0	-0.4%
Steam Coal	79.0	85.6	83.0	84.2	83.3	86.4	92.1	92.1	93.8	95.7	99.3	101.2	105.4	109.0	111.8	115.4	118.6	120.5	121.8	123.5	126.5	131.7	135.6	140.2	143.4	2.5%
Coal Subtotal	1076.3	1099.2	1087.5	1084.3	1071.6	1074.3	1087.8	1078.6	1075.8	1073.1	1075.8	1070.9	1074.6	1075.4	1074.6	1074.5	1074.8	1070.7	1064.6	1059.9	1058.1	1060.7	1060.1	1060.8	1058.4	-0.1%
Blast Furnace and Coke Oven Gas	252.6	252.4	248.9	246.0	242.1	239.5	237.8	234.3	231.3	228.3	225.6	222.4	219.6	216.7	213.7	210.7	207.7	204.6	201.4	198.4	195.3	192.4	189.4	186.4	183.4	-1.3%
Purchased Electricity	201.8	214.6	205.4	205.3	203.5	207.6	212.1	209.8	210.1	210.3	211.8	212.6	214.2	215.6	215.4	218.5	219.5	218.9	218.5	218.2	218.3	220.2	221.2	222.5	222.6	0.4%
Total	2206.5	2257.8	2236.8	2228.8	2200.7	2204.7	2232.8	2212.4	2205.2	2198.0	2202.0	2188.7	2194.4	2193.6	2190.2	2187.3	2186.3	2175.7	2160.2	2148.9	2142.1	2142.5	2137.1	2133.7	2124.4	-0.2%
Energy Consumption per Unit of Output (thousand Btu/ 1987 dollars output)																										
Residual Oil	1.12	1.14	1.09	1.04	1.03	1.02	1.00	0.99	0.98	0.96	0.97	0.94	0.92	0.92	0.90	0.90	0.90	0.86	0.85	0.85	0.85	0.83	0.82	0.82	0.81	-1.3%
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	0.00	N/A
Liquefied Petroleum Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Other Petroleum 2/	0.26	0.25	0.25	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.20	0.20	-1.1%
Petroleum Subtotal	1.37	1.38	1.34	1.28	1.27	1.26	1.23	1.22	1.21	1.19	1.19	1.16	1.14	1.13	1.11	1.11	1.11	1.07	1.06	1.06	1.05	1.03	1.02	1.01	1.01	-1.3%
Natural Gas 3/	8.62	8.36	8.52	8.52	8.51	8.41	8.34	8.35	8.32	8.30	8.25	8.23	8.20	8.16	8.16	8.10	8.07	8.08	8.07	8.05	8.03	8.00	7.97	7.93	7.91	-0.4%
Metallurgical Coal 4/	14.75	14.28	14.25	14.14	14.15	13.99	13.71	13.69	13.60	13.52	13.39	13.33	13.20	13.09	13.00	12.91	12.82	12.77	12.73	12.69	12.62	12.53	12.47	12.40	12.35	-0.7%
Steam Coal	1.17	1.21	1.18	1.19	1.19	1.22	1.27	1.28	1.30	1.32	1.36	1.39	1.43	1.48	1.51	1.55	1.59	1.62	1.65	1.67	1.71	1.78	1.83	1.89	1.94	2.1%
Coal Subtotal	15.92	15.48	15.42	15.34	15.34	15.21	14.98	14.97	14.90	14.84	14.75	14.72	14.63	14.57	14.51	14.47	14.41	14.39	14.38	14.36	14.34	14.31	14.30	14.29	14.29	-0.4%
Blast Furnace and Coke Oven Gas	3.74	3.56	3.53	3.48	3.47	3.39	3.28	3.25	3.20	3.16	3.09	3.06	2.99	2.94	2.89	2.84	2.79	2.75	2.72	2.69	2.65	2.60	2.55	2.51	2.48	-1.7%
Purchased Electricity	2.99	3.02	2.91	2.90	2.91	2.94	2.92	2.91	2.91	2.91	2.90	2.92	2.92	2.92	2.91	2.94	2.94	2.94	2.95	2.96	2.96	2.97	2.98	3.00	3.01	0.0%
Total	32.64	31.80	31.73	31.52	31.51	31.22	30.75	30.70	30.54	30.40	30.18	30.09	29.88	29.72	29.58	29.45	29.31	29.23	29.18	29.11	29.02	28.91	28.82	28.74	28.68	-0.5%

1/ Fuel consumption includes consumption for cogeneration.

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

3/ Does not include lease and plant fuel.

Btu = British thermal unit.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 31. Aluminum Industry Energy Consumption																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Industry Output (billion 1987 dollars)	27.29	28.49	28.21	28.42	28.78	29.22	29.55	29.82	30.04	30.18	30.26	30.48	30.64	30.84	30.98	31.12	31.18	31.08	30.91	30.80	30.71	30.70	30.60	30.60	30.49	0.5%	
Energy Consumption (trillion Btu)																											
Residual Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Distillate Oil	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Liquefied Petroleum Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Other Petroleum 2/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Natural Gas 3/	31.7	32.8	31.1	31.1	31.3	31.5	31.6	31.7	31.7	31.7	31.6	31.7	31.7	31.7	31.6	31.5	31.3	31.0	30.7	30.5	30.3	30.1	29.9	29.7	-0.3%		
Steam Coal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	N/A
Renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	238.5	247.7	244.6	245.2	246.9	249.2	250.7	251.7	252.4	252.4	251.9	252.6	252.8	253.3	253.4	253.4	252.9	251.2	249.0	247.2	245.7	244.6	243.0	242.1	240.4	0.0%	
Total	270.2	280.6	275.7	276.3	278.1	280.7	282.4	283.4	284.1	284.1	283.6	284.3	284.5	285.0	285.1	285.1	284.5	282.5	280.0	278.0	276.2	275.0	273.1	272.0	270.1	-0.0%	
Energy Consumption per Unit of Output (thousand Btu /1987 dollars output)																											
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	0.00	0.00	N/A
Distillate Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Liquefied Petroleum Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Other Petroleum 2/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Petroleum Subtotal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Natural Gas 3/	1.16	1.15	1.10	1.09	1.09	1.08	1.07	1.06	1.06	1.05	1.05	1.04	1.03	1.03	1.02	1.02	1.01	1.01	1.00	1.00	0.99	0.99	0.98	0.98	0.97	-0.7%	
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	0.00	0.00	N/A
Renewables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	8.74	8.70	8.67	8.63	8.58	8.53	8.48	8.44	8.40	8.36	8.33	8.29	8.25	8.21	8.18	8.14	8.11	8.08	8.06	8.03	8.00	7.97	7.94	7.91	7.89	-0.4%	
Total	9.90	9.85	9.77	9.72	9.66	9.61	9.55	9.50	9.46	9.41	9.37	9.33	9.28	9.24	9.20	9.16	9.12	9.09	9.06	9.02	8.99	8.96	8.92	8.89	8.86	-0.5%	

1/ Fuel consumption includes consumption for cogeneration.
2/ Includes petroleum coke, lubricants, and miscellaneous petroleum products.
3/ Does not include lease and plant fuel.
Btu = British thermal unit.
N/A = Not applicable.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 34. Light-Duty Vehicle Energy Consumption by Technology Type and Fuel Type (Trillion Btu)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Light-Duty Consumption by Fuel Type 1/																										
Motor Gasoline	13845.8	14082.5	14376.5	14633.4	14866.4	15144.4	15406.6	15629.5	15843.5	16054.4	16285.8	16486.1	16690.2	16881.2	17060.8	17171.7	17290.3	17406.5	17530.4	17645.1	17733.1	17852.0	17954.1	18054.6	18159.7	1.1%
Distillate (diesel)	81.04	84.49	86.01	87.13	88.26	89.95	91.80	93.66	93.09	92.24	91.44	90.27	89.05	87.72	86.40	84.80	83.31	81.90	80.77	79.74	78.76	78.02	77.26	76.55	75.94	-0.3%
Methanol	1.72	2.10	2.60	3.29	4.29	5.61	6.87	8.00	18.71	29.42	39.96	50.70	61.60	72.45	83.28	93.27	102.81	111.71	119.65	126.96	133.04	139.03	144.45	149.55	154.40	20.6%
Ethanol	1.78	2.15	2.54	2.93	3.34	3.76	4.22	4.81	16.18	27.81	39.83	52.21	64.51	76.46	88.12	98.74	108.82	117.93	125.66	132.23	137.87	143.22	148.04	152.54	156.82	20.5%
Compressed Natural Gas	8.35	11.46	18.30	29.17	45.82	67.24	88.27	107.85	127.25	145.00	160.48	174.33	188.09	201.53	214.30	225.27	235.56	245.12	254.00	262.11	269.28	276.39	283.00	289.27	295.12	16.0%
Liquid Petroleum Gas	16.58	17.66	19.70	22.73	27.50	34.04	41.93	52.07	65.87	80.77	94.60	107.14	118.58	129.23	139.53	148.98	158.16	166.83	174.92	182.35	188.94	195.42	201.44	207.15	212.55	11.2%
Electricity	0.19	0.25	1.17	2.19	3.29	5.56	7.84	21.67	34.37	45.73	55.96	64.52	72.85	81.34	89.20	96.50	102.54	107.96	113.40	118.72	123.88	129.09	134.00	138.77	143.38	31.8%
Liquid Hydrogen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.7%

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, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 35. Light-Duty Vehicle Sales by Technology Type (Thousands) 01 - New England																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
New Car Sales 1/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	369.4	356.0	360.4	355.4	347.1	339.8	338.6	315.4	298.9	301.4	304.6	306.8	309.7	312.3	315.1	316.0	318.6	321.8	323.1	324.1	323.1	324.5	326.6	328.3	327.4	-0.5%
Distillate (diesel) ICE	2.5	2.4	2.4	2.4	2.3	2.3	2.3	2.3	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	-4.0%
Total Conventional	371.9	358.4	362.8	357.8	349.5	342.1	340.9	317.7	299.7	302.2	305.4	307.6	310.6	313.1	316.0	316.8	319.5	322.6	324.0	325.0	324.0	325.4	327.5	329.2	328.3	-0.5%
Alternative-Fuel Vehicles																										
Methanol-Flex Fuel ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	6.3	6.3	6.2	6.2	6.2	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.2	6.2	6.2	17.7%
Methanol-Neat ICE	0.0	0.1	0.2	0.3	0.5	0.7	0.7	0.7	1.3	1.5	1.6	1.8	1.9	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.4	2.3	17.9%
Ethanol-Flex Fuel ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	6.9	6.9	6.9	6.8	6.8	6.7	6.7	6.6	6.7	6.6	6.6	6.5	6.5	6.5	6.5	6.6	6.5	17.2%
Ethanol-Neat Ice	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.5	0.6	0.7	0.7	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	23.5%
Electric Vehicle	0.0	0.0	0.1	0.1	0.1	0.1	0.1	19.5	22.0	22.5	22.9	23.2	23.6	23.9	24.1	24.2	24.5	24.8	24.9	25.0	25.0	25.2	25.4	25.6	25.6	40.8%
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	29.7%
Compressed Natural Gas ICE	0.2	0.7	1.5	2.3	3.2	3.9	3.9	4.0	4.3	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.0	5.1	5.2	5.2	5.2	5.2	5.2	5.3	5.3	14.5%
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0	1.2	1.3	1.5	1.6	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	36.3%
Liquid Petroleum Gas ICE	0.3	0.5	0.8	1.0	1.4	1.6	2.1	2.8	3.7	4.1	4.2	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.8	4.7	11.9%
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.1	1.3	1.5	1.7	1.8	1.9	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	32.1%
Gas Turbine 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	0.1	0.1	0.1	0.1	N/A
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	68.6%
Total Alternatives	0.9	1.6	2.8	4.0	5.5	6.6	7.1	27.3	47.0	48.7	49.9	50.8	51.8	52.6	53.4	53.7	54.3	54.9	55.1	55.2	55.1	55.5	55.9	56.3	56.3	19.1%
Percent Alternative Car Sales	0.23	0.44	0.78	1.11	1.55	1.89	2.05	7.92	13.56	13.88	14.04	14.17	14.30	14.38	14.46	14.48	14.52	14.54	14.54	14.55	14.55	14.57	14.59	14.61	14.63	18.9%
Total New Car Sales	372.7	359.9	365.7	361.9	355.0	348.7	348.0	345.0	346.7	350.9	355.3	358.4	362.4	365.8	369.4	370.5	373.8	377.5	379.1	380.2	379.1	380.9	383.4	385.5	384.5	0.1%
New Light-Truck Sales 2/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	255.5	267.8	278.6	281.6	281.6	279.9	282.8	279.5	280.4	286.0	290.8	294.4	298.9	302.8	305.8	305.4	308.2	310.0	310.0	309.9	309.0	310.6	312.7	314.5	313.7	0.9%
Distillate (diesel) ICE	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.1%
Total Conventional	256.6	269.0	279.8	282.9	282.9	281.1	284.1	280.8	281.4	287.0	291.8	295.4	299.9	303.9	306.8	306.5	309.3	311.1	311.1	311.0	310.1	311.8	313.9	315.6	314.8	0.9%

Table 35. Light-Duty Vehicle Sales by Technology Type (Thousands) 01 - New England																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Alternative-Fuel Vehicles																										
Ethanol-Flex Fuel ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.2	3.2	3.1	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	14.9%
Ethanol-Neat Ice	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	14.4%
Methanol-Flex Fuel ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	15.6%
Methanol-Neat ICE	0.1	0.2	0.2	0.4	0.7	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	13.6%
Electric Vehicle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	3.4	3.3	3.2	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.3	32.4%
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	32.1%
Compressed Natural Gas ICE	0.2	0.5	0.9	1.5	2.3	3.1	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	13.4%
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	27.2%
Liquid Petroleum Gas ICE	0.2	0.4	0.5	0.7	0.9	1.1	1.1	1.4	1.7	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	9.4%
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	25.8%
Gas Turbine 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
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	92.3%
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	0.7	1.2	1.9	2.8	4.2	5.5	5.6	11.5	16.0	16.3	16.4	16.5	16.8	17.0	17.2	17.2	17.3	17.4	17.3	17.2	17.2	17.2	17.2	17.3	17.3	14.4%
Percent Alternative Light Truck Sales	0.26	0.46	0.67	0.98	1.47	1.92	1.92	3.93	5.38	5.37	5.31	5.30	5.30	5.30	5.31	5.31	5.30	5.29	5.27	5.24	5.24	5.22	5.21	5.21	5.21	13.2%
Total New Truck Sales	257.3	270.3	281.7	285.6	287.1	286.7	289.7	292.2	297.4	303.3	308.2	312.0	316.7	320.9	324.1	323.7	326.6	328.5	328.4	328.2	327.2	328.9	331.1	333.0	332.1	1.1%
Percentage Total Alternative Sales	0.24	0.45	0.73	1.05	1.52	1.91	1.99	6.09	9.78	9.93	9.98	10.04	10.10	10.14	10.19	10.20	10.22	10.23	10.23	10.23	10.23	10.24	10.24	10.26	10.26	16.9%
EPACT Legislative Alternative Sales	0.28	1.86	3.74	5.82	8.74	11.13	12.27	13.34	14.56	15.32	15.53	15.67	15.87	16.03	16.18	16.19	16.32	16.45	16.48	16.49	16.43	16.51	16.61	16.69	16.64	18.6%
Z EVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.46	25.71	26.12	26.53	26.82	27.21	27.54	27.86	27.95	28.24	28.53	28.65	28.75	28.70	28.90	29.14	29.35	29.32	N/A
Total Vehicles Sales	630.0	630.2	647.4	647.5	642.0	635.4	637.7	637.2	644.1	654.2	663.5	670.4	679.1	686.6	693.5	694.2	700.3	706.0	707.5	708.5	706.3	709.8	714.6	718.3	716.6	0.5%

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
CNG = Compressed natural gas.
EPACT = Energy Policy Act of 1992.
Z EVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.

Sources: 1996 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; Bunch, David S., Mark Bradley, Thomas F. Golob, Ryuichi Kitamura, Gareth P. Occhiuzzo, "Demand for Clean-Fuel Personal Vehicles in California: A Discrete-Choice Stated Preference Survey," (December 1991); 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 1995, DOE/EIA-0585(95) (Washington, DC, December 1996); and EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 36. Light-Duty Vehicle Sales by Technology Type (Thousands) 02 - Middle Atlantic																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
New Car Sales 1/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	1075.1	1025.9	1020.2	1001.2	974.0	933.8	928.1	892.5	845.8	851.8	859.5	864.6	871.9	877.9	885.0	886.1	892.6	900.2	902.9	904.8	900.9	904.0	909.1	913.1	909.9	-0.7%
Distillate (diesel) ICE	7.1	6.8	6.9	6.8	6.6	6.5	6.5	6.4	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	-4.4%
Total Conventional	1082.2	1032.8	1027.1	1008.0	980.7	940.3	934.5	898.9	848.0	854.0	861.7	866.8	874.1	880.2	887.3	888.4	895.0	902.6	905.3	907.2	903.3	906.4	911.5	915.6	912.3	-0.7%
Alternative-Fuel Vehicles																										
Methanol-Flex Fuel ICE	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	17.3	17.1	16.7	16.6	16.4	16.2	16.1	15.9	15.7	15.6	15.4	15.1	15.1	15.1	15.2	15.3	15.2	16.9%
Methanol-Neat ICE	0.1	0.4	0.6	1.0	1.6	2.1	2.1	2.1	4.3	5.0	5.7	6.3	7.0	7.6	8.2	8.6	9.0	9.6	10.0	10.4	10.4	10.4	10.5	10.5	10.5	20.0%
Ethanol-Flex Fuel ICE	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	18.4	18.1	17.9	17.5	17.2	16.9	16.7	16.4	16.0	15.8	15.4	15.0	15.0	15.0	15.0	15.1	15.0	16.0%
Ethanol-Neat Ice	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	1.2	1.5	1.7	2.0	2.2	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.0	3.0	3.0	2.9	23.8%
Electric Vehicle	0.0	0.1	11.1	11.0	10.9	27.2	27.3	51.2	57.5	58.7	59.8	60.5	61.4	62.1	62.8	63.0	63.7	64.3	64.6	64.9	64.8	65.3	65.9	66.4	66.3	40.1%
Electric Hybrid	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	28.7%
Compressed Natural Gas ICE	0.6	2.0	4.3	6.4	9.1	10.9	11.0	11.1	12.3	12.8	13.1	13.4	13.7	14.0	14.2	14.3	14.5	14.7	14.8	15.0	14.9	15.0	15.0	15.1	15.1	14.4%
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.9	3.4	3.8	4.2	4.5	4.7	4.7	4.8	4.8	4.8	4.7	4.7	4.7	4.8	4.8	4.8	34.8%
Liquid Petroleum Gas ICE	0.9	1.4	2.2	3.0	3.9	4.4	5.8	7.8	10.4	11.7	11.9	12.1	12.3	12.5	12.7	12.8	12.9	13.1	13.2	13.3	13.2	13.3	13.4	13.4	13.4	11.8%
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.0	3.6	4.0	4.4	4.8	5.0	5.1	5.2	5.3	5.3	5.2	5.2	5.3	5.4	5.5	5.5	31.4%
Gas Turbine 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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
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	67.1%
Total Alternatives	2.5	4.6	19.1	22.2	26.2	45.6	47.1	73.1	127.2	131.8	134.8	137.3	139.9	142.0	143.9	144.4	145.6	147.1	147.5	147.8	147.4	148.3	149.4	150.3	150.0	18.6%
Percent Alternative Car Sales	0.23	0.44	1.82	2.16	2.60	4.62	4.80	7.52	13.04	13.37	13.53	13.67	13.80	13.89	13.95	13.98	13.99	14.02	14.01	14.01	14.03	14.06	14.08	14.10	14.12	18.7%
Total New Car Sales	1084.7	1037.4	1046.1	1030.3	1006.9	985.8	981.7	972.0	975.2	985.8	996.6	1004.1	1014.0	1022.1	1031.1	1032.8	1040.6	1049.7	1052.8	1054.9	1050.7	1054.7	1060.9	1065.9	1062.3	-0.1%
New Light-Truck Sales 2/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	743.5	771.9	794.9	799.6	796.6	786.5	792.9	789.3	790.1	804.4	816.7	825.4	836.9	846.8	854.0	851.9	858.6	862.6	861.7	860.5	856.9	860.8	865.9	870.0	867.2	0.6%
Distillate (diesel) ICE	3.2	3.4	3.5	3.5	3.5	3.5	3.5	3.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.9	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	-0.3%
Total Conventional	746.7	775.3	798.4	803.1	800.1	790.0	796.4	792.8	792.6	807.0	819.3	828.1	839.6	849.5	856.8	854.7	861.5	865.4	864.6	863.4	859.8	863.7	868.9	873.0	870.2	0.6%

Table 36. Light-Duty Vehicle Sales by Technology Type (Thousands) 02 - Middle Atlantic																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Alternative-Fuel Vehicles																										
Ethanol-Flex Fuel ICE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	8.5	8.2	8.1	7.9	7.8	7.7	7.7	7.5	7.3	7.2	7.0	6.8	6.7	6.7	6.7	6.7	6.7	14.0%
Ethanol-Neat Ice	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	14.3%
Methanol-Flex Fuel ICE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	7.0	6.9	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.5	6.4	6.3	6.3	6.3	6.3	6.4	6.3	15.3%
Methanol-Neat ICE	0.2	0.5	0.7	1.1	1.9	2.7	2.7	2.7	2.9	3.1	3.1	3.2	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	13.8%
Electric Vehicle	0.0	0.0	2.4	2.5	2.6	5.5	5.5	14.1	8.3	8.2	8.1	8.1	8.2	8.4	8.5	8.5	8.6	8.7	8.7	8.7	8.7	8.6	8.7	8.7	8.7	31.8%
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	31.5%
Compressed Natural Gas ICE	0.6	1.5	2.6	4.1	6.5	8.7	8.8	8.9	9.5	9.8	10.1	10.2	10.4	10.6	10.7	10.7	10.8	10.9	10.9	10.9	10.9	10.9	11.0	11.0	11.0	13.3%
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0	1.2	1.4	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	25.9%
Liquid Petroleum Gas ICE	0.7	1.0	1.4	1.9	2.6	3.2	3.2	3.9	4.8	5.2	5.4	5.5	5.6	5.7	5.7	5.7	5.8	5.9	5.9	5.9	5.9	5.9	5.9	6.0	5.9	9.2%
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0	1.2	1.4	1.5	1.6	1.7	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	25.5%
Gas Turbine 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	99.5%
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	96.4%
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	2.0	3.6	7.8	10.4	14.5	21.0	21.1	30.5	43.5	44.3	44.6	45.1	45.8	46.4	46.9	46.8	46.9	47.1	46.8	46.4	46.3	46.2	46.4	46.7	46.5	14.1%
Percent Alternative Light Truck Sales	0.26	0.46	0.97	1.28	1.77	2.59	2.59	3.70	5.20	5.20	5.17	5.17	5.17	5.18	5.19	5.19	5.16	5.16	5.14	5.10	5.11	5.08	5.07	5.07	5.07	13.1%
Total New Truck Sales	748.7	778.9	806.2	813.5	814.5	810.9	817.6	823.3	836.1	851.3	863.9	873.2	885.3	895.9	903.7	901.5	908.4	912.5	911.4	909.8	906.1	910.0	915.3	919.7	916.7	0.8%
Percentage Total Alternative Sales	0.24	0.45	1.45	1.77	2.23	3.70	3.79	5.77	9.42	9.58	9.65	9.72	9.78	9.82	9.86	9.88	9.88	9.90	9.90	9.88	9.90	9.90	9.91	9.92	9.93	16.7%
EPACT Legislative Alternative Sales	0.81	5.37	10.72	16.56	24.80	31.49	34.62	37.59	40.95	43.03	43.55	43.90	44.39	44.79	45.15	45.12	45.44	45.73	45.75	45.76	45.54	45.71	45.95	46.14	45.97	18.3%
ZEVP Legislative Alternative Sales	0.00	0.00	13.56	13.50	13.34	32.94	33.03	65.99	66.66	67.73	68.79	69.56	70.56	71.44	72.27	72.49	73.25	73.98	74.28	74.54	74.42	74.93	75.55	76.10	76.03	N/A
Total Vehicles Sales	1833.3	1816.3	1852.3	1843.7	1821.4	1796.8	1799.2	1795.3	1811.3	1837.1	1860.5	1877.3	1899.4	1918.1	1934.8	1934.2	1949.0	1962.2	1964.2	1964.8	1956.8	1964.7	1976.2	1985.6	1979.1	0.3%

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
CNG = Compressed natural gas.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.
Sources: 1996 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; Bunch, David S., Mark Bradley, Thomas F. Golob, Ryuichi Kitamura, Gareth P. Occhiuzzo, "Demand for Clean-Fuel Personal Vehicles in California: A Discrete-Choice Stated Preference Survey," (December 1991); 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 1995, DOE/EIA-0585(95) (Washington, DC, December 1996); and EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 37. Light-Duty Vehicle Sales by Technology Type (Thousands) 03 - East North Central																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
New Car Sales 1/																											
Conventional Vehicles																											
Gasoline ICE Vehicles	1220.3	1165.0	1170.9	1148.1	1116.5	1089.8	1083.5	1071.0	1026.0	1034.5	1044.6	1051.7	1061.5	1069.8	1079.2	1081.5	1090.6	1100.5	1104.3	1106.5	1103.6	1107.6	1114.6	1120.3	1117.0	-0.4%	
Distillate (diesel) ICE	8.1	7.8	7.8	7.7	7.5	7.4	7.4	7.3	2.5	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	-4.2%	
Total Conventional	1228.4	1172.8	1178.8	1155.8	1124.0	1097.1	1090.8	1078.3	1028.6	1037.1	1047.2	1054.3	1064.2	1072.5	1081.9	1084.3	1093.4	1103.3	1107.1	1109.4	1106.4	1110.4	1117.5	1123.2	1119.8	-0.4%	
Alternative-Fuel Vehicles																											
Methanol-Flex Fuel ICE	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	19.2	19.1	19.0	18.9	18.8	18.7	18.7	18.2	17.7	17.8	17.7	18.0	17.1	17.4	17.3	17.3	17.2	16.8%	
Methanol-Neat ICE	0.1	0.4	0.7	1.1	1.8	2.3	2.4	2.4	4.2	4.8	5.3	5.8	6.2	6.6	6.9	7.0	7.2	7.4	7.7	8.2	7.7	7.9	7.8	7.8	7.7	17.9%	
Ethanol-Flex Fuel ICE	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	21.3	21.1	21.0	20.6	20.4	20.2	20.1	19.8	19.6	19.5	19.1	18.7	18.6	18.6	18.8	18.8	18.7	16.5%	
Ethanol-Neat Ice	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	1.6	1.9	2.3	2.6	2.9	3.1	3.4	3.5	3.7	3.8	4.0	4.1	4.1	4.1	4.1	4.1	4.1	24.8%	
Electric Vehicle	0.0	0.1	0.2	0.2	0.3	0.4	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	0.7	0.7	0.7	0.7	15.0%	
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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	1.4	1.4	1.4	29.0%	
Compressed Natural Gas ICE	0.7	2.3	4.9	7.3	10.3	12.4	12.5	12.6	13.8	14.3	14.7	15.0	15.3	15.6	15.9	16.0	16.3	16.5	16.7	16.8	16.8	16.9	17.0	17.1	17.0	14.4%	
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	3.0	3.6	4.1	4.5	4.8	5.1	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.4	5.4	5.5	35.4%	
Liquid Petroleum Gas ICE	1.0	1.6	2.5	3.4	4.4	5.0	6.6	8.8	11.9	13.3	13.6	13.9	14.1	14.4	14.6	14.7	14.9	15.1	15.3	15.4	15.3	15.4	15.4	15.5	15.5	11.9%	
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	3.5	4.3	4.8	5.4	5.8	6.0	6.2	6.3	6.5	6.5	6.4	6.4	6.5	6.6	6.7	6.7	32.5%	
Gas Turbine 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	0.1	0.1	0.1	0.1	0.2	0.2	0.2	N/A	
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A
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	67.5%	
Total Alternatives	2.8	5.2	9.2	13.0	17.7	21.2	22.9	25.3	79.1	82.9	85.5	87.5	89.5	91.2	92.6	92.6	93.0	94.1	94.3	95.0	93.6	94.4	94.7	95.1	94.8	15.8%	
Percent Alternative Car Sales	0.23	0.44	0.78	1.11	1.55	1.89	2.05	2.29	7.14	7.40	7.55	7.66	7.76	7.85	7.88	7.87	7.84	7.86	7.85	7.89	7.80	7.84	7.82	7.81	7.80	15.8%	
Total New Car Sales	1231.2	1178.0	1188.0	1168.8	1141.8	1118.3	1113.7	1103.6	1107.6	1120.0	1132.7	1141.8	1153.7	1163.6	1174.4	1176.9	1186.4	1197.4	1201.4	1204.4	1200.0	1204.9	1212.2	1218.3	1214.6	-0.1%	
New Light-Truck Sales 2/																											
Conventional Vehicles																											
Gasoline ICE Vehicles	843.9	876.6	905.2	909.6	905.8	897.7	905.1	910.8	905.9	922.4	936.5	947.0	960.6	972.6	981.5	979.8	988.2	993.1	992.5	991.1	987.9	992.4	998.7	1003.8	1000.8	0.7%	
Distillate (diesel) ICE	3.7	3.8	4.0	4.0	4.0	3.9	4.0	4.0	3.0	3.1	3.1	3.2	3.2	3.3	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.6	3.6	-0.1%	
Total Conventional	847.6	880.4	909.1	913.6	909.8	901.6	909.1	914.8	908.9	925.5	939.6	950.2	963.8	975.9	984.8	983.1	991.6	996.6	996.0	994.6	991.5	995.9	1002.2	1007.4	1004.4	0.7%	

Table 37. Light-Duty Vehicle Sales by Technology Type (Thousands) 03 - East North Central																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996- 2020
Alternative-Fuel Vehicles																										
Ethanol-Flex Fuel ICE	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	9.8	9.6	9.4	9.2	9.1	9.1	9.0	8.8	8.6	8.6	8.4	8.1	8.0	8.0	8.0	8.0	8.0	14.2%
Ethanol-Neat Ice	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	14.6%
Methanol-Flex Fuel ICE	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	7.6	7.5	7.3	7.3	7.3	7.3	7.3	7.0	6.8	6.8	6.8	7.0	6.5	6.7	6.6	6.6	6.5	14.7%
Methanol-Neat ICE	0.2	0.5	0.8	1.3	2.2	3.0	3.1	3.1	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	13.4%
Electric Vehicle	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	11.8%
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	31.4%
Compressed Natural Gas ICE	0.6	1.7	3.0	4.7	7.4	9.9	10.0	10.1	10.7	11.0	11.2	11.5	11.7	11.9	12.0	12.0	12.2	12.3	12.3	12.3	12.2	12.3	12.4	12.4	12.4	13.2%
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.0	1.2	1.4	1.5	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	26.4%
Liquid Petroleum Gas ICE	0.8	1.2	1.6	2.1	2.9	3.6	3.7	4.4	5.4	6.0	6.1	6.2	6.4	6.5	6.6	6.6	6.7	6.7	6.8	6.8	6.7	6.8	6.8	6.8	6.8	9.3%
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.2	1.5	1.7	1.8	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	26.5%
Gas Turbine 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	99.5%
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	92.5%
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	2.2	4.1	6.2	9.0	13.6	17.7	17.8	18.8	39.7	40.8	41.4	41.9	42.6	43.2	43.6	43.2	43.1	43.3	43.1	43.2	42.4	42.6	42.7	42.8	42.7	13.0%
Percent Alternative Light Truck Sales	0.26	0.46	0.67	0.98	1.47	1.92	1.92	2.01	4.19	4.22	4.22	4.23	4.23	4.23	4.24	4.21	4.17	4.17	4.15	4.16	4.10	4.11	4.09	4.08	4.07	12.1%
Total New Truck Sales	849.8	884.5	915.3	922.6	923.4	919.3	926.9	933.6	948.7	966.3	981.0	992.1	1006.4	1019.1	1028.4	1026.4	1034.7	1039.9	1039.2	1037.7	1033.9	1038.5	1044.9	1050.2	1047.1	0.9%
Percentage Total Alternative Sales	0.24	0.45	0.73	1.05	1.52	1.91	1.99	2.16	5.78	5.93	6.01	6.07	6.12	6.15	6.18	6.17	6.13	6.14	6.13	6.16	6.09	6.11	6.09	6.08	6.08	14.3%
EPACT Legislative Alternative Sales	0.92	6.10	12.17	18.79	28.11	35.70	39.26	42.63	46.44	48.82	49.43	49.85	50.43	50.92	51.36	51.35	51.74	52.09	52.14	52.17	51.94	52.14	52.44	52.67	52.49	18.3%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	2081.0	2062.5	2103.3	2091.4	2065.1	2037.6	2040.6	2037.2	2056.3	2086.3	2113.7	2133.9	2160.1	2182.7	2202.9	2203.2	2221.1	2237.3	2240.0	2242.1	2233.8	2243.4	2257.2	2268.5	2261.7	0.3%

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
CNG = Compressed natural gas.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.

Sources: 1996 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; Bunch, David S., Mark Bradley, Thomas F. Golob, Ryuichi Kitamura, Gareth P. Occhiuzzo, "Demand for Clean-Fuel Personal Vehicles in California: A Discrete-Choice Stated Preference Survey," (December 1991); 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 1995, DOE/EIA-0585(95) (Washington, DC, December 1996); and EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 38. Light-Duty Vehicle Sales by Technology Type (Thousands) 04 - West North Central																									1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
New Car Sales 1/																																																		
Conventional Vehicles																																																		
Gasoline ICE Vehicles	501.1	482.3	487.5	480.2	468.6	458.6	456.8	452.3	434.9	438.9	443.5	446.8	451.2	455.0	459.2	460.4	464.4	468.6	470.1	470.9	469.7	471.6	474.7	477.2	475.9	-0.2%																								
Distillate (diesel) ICE	3.3	3.2	3.3	3.2	3.2	3.1	3.1	3.1	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	1.2	-4.1%																								
Total Conventional	504.4	485.5	490.8	483.4	471.8	461.7	459.9	455.3	436.0	440.0	444.6	447.9	452.3	456.1	460.4	461.6	465.6	469.8	471.3	472.1	470.9	472.8	475.9	478.4	477.1	-0.2%																								
Alternative-Fuel Vehicles																																																		
Methanol-Flex Fuel ICE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	7.7	7.6	7.4	7.3	7.2	7.1	7.0	6.8	6.6	6.6	6.6	6.7	6.4	6.5	6.5	6.5	6.5	16.3%																								
Methanol-Neat ICE	0.1	0.2	0.3	0.5	0.7	1.0	1.0	1.0	1.8	2.0	2.2	2.4	2.5	2.7	2.8	2.8	2.8	2.9	3.0	3.2	3.1	3.1	3.1	3.1	3.1	17.8%																								
Ethanol-Flex Fuel ICE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	7.7	7.6	7.3	7.1	6.9	6.8	6.6	6.5	6.3	6.3	6.1	6.0	6.0	6.0	6.0	6.0	6.0	15.4%																								
Ethanol-Neat Ice	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	1.1	1.3	1.7	1.9	2.2	2.5	2.7	2.9	3.1	3.2	3.3	3.2	3.2	3.2	3.2	3.2	3.2	27.8%																								
Electric Vehicle	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	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	15.0%																								
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	28.3%																								
Compressed Natural Gas ICE	0.3	0.9	2.0	3.0	4.3	5.2	5.3	5.3	6.0	6.2	6.5	6.6	6.8	7.0	7.2	7.3	7.4	7.6	7.8	7.9	7.9	7.9	8.0	8.0	8.0	15.0%																								
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.3	1.5	1.6	1.8	1.9	2.0	2.0	2.0	2.1	2.0	2.0	2.0	2.1	2.1	2.1	2.1	34.5%																								
Liquid Petroleum Gas ICE	0.4	0.6	1.1	1.4	1.8	2.1	2.8	3.7	5.1	5.8	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.1	7.1	7.1	7.2	7.2	7.3	7.2	12.5%																								
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.4	1.7	1.9	2.1	2.2	2.3	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	31.2%																								
Gas Turbine 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	0.1	0.1	0.1	N/A																								
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	66.7%																								
Total Alternatives	1.2	2.2	3.8	5.4	7.4	8.9	9.6	10.7	32.3	33.9	34.9	35.7	36.6	37.3	38.0	38.1	38.4	38.9	39.2	39.6	39.0	39.4	39.5	39.7	39.5	15.9%																								
Percent Alternative Car Sales	0.23	0.44	0.78	1.11	1.55	1.89	2.05	2.29	6.89	7.15	7.27	7.38	7.48	7.57	7.62	7.62	7.61	7.65	7.68	7.75	7.66	7.69	7.67	7.66	7.65	15.8%																								
Total New Car Sales	505.6	487.7	494.6	488.9	479.2	470.6	469.6	466.0	468.3	473.9	479.5	483.6	488.9	493.4	498.3	499.7	503.9	508.7	510.5	511.8	510.0	512.2	515.4	518.1	516.6	0.1%																								
New Light-Truck Sales 2/																																																		
Conventional Vehicles																																																		
Gasoline ICE Vehicles	346.5	362.9	376.8	380.5	380.2	377.7	381.6	384.6	383.6	390.9	397.0	401.6	407.6	412.9	416.9	416.4	420.2	422.5	422.1	421.4	420.1	422.1	424.9	427.2	426.0	0.9%																								
Distillate (diesel) ICE	1.5	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0%																								
Total Conventional	348.0	364.5	378.5	382.2	381.9	379.4	383.3	386.3	384.9	392.2	398.4	403.0	409.0	414.3	418.4	417.9	421.6	423.8	423.5	422.9	421.6	423.6	426.4	428.7	427.6	0.9%																								

Table 38. Light-Duty Vehicle Sales by Technology Type (Thousands) 04 - West North Central																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Alternative-Fuel Vehicles																										
Ethanol-Flex Fuel ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.4	3.3	3.1	3.0	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.5	2.4	2.4	2.4	2.4	2.4	12.9%
Ethanol-Neat Ice	0.0	0.0	0.0	0.1	0.1	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	0.3	0.3	0.3	0.3	0.3	0.3	15.7%
Methanol-Flex Fuel ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.7	2.6	2.6	2.6	2.7	2.5	2.5	2.5	2.5	2.5	14.3%
Methanol-Neat ICE	0.1	0.2	0.3	0.5	0.9	1.3	1.3	1.3	1.4	1.4	1.5	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	13.5%
Electric Vehicle	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	11.8%
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	30.8%
Compressed Natural Gas ICE	0.3	0.7	1.2	2.0	3.1	4.2	4.2	4.3	4.6	4.8	4.9	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	13.6%
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	25.4%
Liquid Petroleum Gas ICE	0.3	0.5	0.7	0.9	1.2	1.5	1.5	1.9	2.3	2.6	2.6	2.7	2.8	2.9	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	9.7%
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	25.1%
Gas Turbine 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	98.5%
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	91.8%
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	0.9	1.7	2.6	3.8	5.7	7.4	7.5	7.9	16.0	16.5	16.7	16.9	17.2	17.4	17.6	17.4	17.4	17.5	17.4	17.5	17.2	17.2	17.3	17.3	17.2	13.0%
Percent Alternative Light Truck Sales	0.26	0.46	0.67	0.97	1.47	1.92	1.92	2.01	3.99	4.03	4.02	4.03	4.03	4.04	4.03	4.01	3.97	3.96	3.95	3.96	3.91	3.91	3.89	3.88	3.88	11.8%
Total New Truck Sales	349.0	366.1	381.1	385.9	387.6	386.8	390.8	394.2	400.9	408.6	415.0	419.9	426.2	431.7	436.0	435.3	439.0	441.3	441.0	440.4	438.8	440.9	443.7	446.0	444.8	1.0%
Percentage Total Alternative Sales	0.24	0.45	0.73	1.05	1.51	1.91	1.99	2.16	5.55	5.70	5.76	5.82	5.88	5.92	5.95	5.94	5.91	5.94	5.95	6.00	5.92	5.94	5.92	5.91	5.90	14.2%
EPACT Legislative Alternative Sales	0.38	2.52	5.06	7.86	11.80	15.02	16.55	18.00	19.63	20.66	20.93	21.12	21.38	21.60	21.80	21.81	21.98	22.14	22.16	22.17	22.08	22.17	22.30	22.40	22.33	18.5%
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	0.00	N/A
Total Vehicles Sales	854.6	853.8	875.7	874.8	866.8	857.4	860.4	860.2	869.1	882.5	894.6	903.5	915.1	925.1	934.3	935.0	943.0	950.0	951.4	952.1	948.8	953.0	959.1	964.1	961.4	0.5%

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
CNG = Compressed natural gas.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.

Sources: 1996 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; Bunch, David S., Mark Bradley, Thomas F. Golob, Ryuichi Kitamura, Gareth P. Occhiuzzo, "Demand for Clean-Fuel Personal Vehicles in California: A Discrete-Choice Stated Preference Survey," (December 1991); 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 1995, DOE/EIA-0585(95) (Washington, DC, December 1996); and EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 39. Light-Duty Vehicle Sales by Technology Type (Thousands) 05 - South Atlantic																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
New Car Sales 1/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	1362.0	1304.8	1316.2	1296.4	1265.9	1240.3	1237.8	1228.1	1181.0	1195.2	1211.3	1224.0	1240.0	1254.3	1270.1	1277.9	1293.7	1310.6	1320.5	1328.5	1330.4	1340.7	1354.7	1367.1	1368.4	0.0%
Distillate (diesel) ICE	9.0	8.7	8.8	8.7	8.5	8.4	8.4	8.4	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.5	3.5	-3.9%
Total Conventional	1371.0	1313.5	1325.0	1305.1	1274.5	1248.7	1246.2	1236.4	1183.8	1198.1	1214.3	1227.0	1243.0	1257.3	1273.2	1281.0	1297.0	1313.9	1323.8	1331.9	1333.8	1344.1	1358.1	1370.5	1371.9	0.0%
Alternative-Fuel Vehicles																										
Methanol-Flex Fuel ICE	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	22.3	22.3	22.3	22.3	22.2	22.2	22.3	21.8	21.3	21.5	21.5	21.9	20.9	21.4	21.3	21.4	21.4	17.4%
Methanol-Neat ICE	0.2	0.5	0.8	1.3	2.0	2.6	2.7	2.7	4.9	5.6	6.2	6.8	7.4	7.9	8.3	8.4	8.6	8.9	9.3	9.9	9.4	9.7	9.6	9.6	9.6	18.5%
Ethanol-Flex Fuel ICE	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	24.3	24.1	24.1	23.7	23.6	23.4	23.3	23.1	22.8	22.8	22.3	21.9	21.9	22.0	22.2	22.4	22.4	16.8%
Ethanol-Neat Ice	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	1.6	2.0	2.3	2.6	2.9	3.2	3.4	3.6	3.8	4.0	4.1	4.3	4.3	4.3	4.3	4.3	4.3	24.5%
Electric Vehicle	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	15.4%
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	29.5%
Compressed Natural Gas ICE	0.8	2.5	5.5	8.2	11.6	14.1	14.3	14.5	16.0	16.7	17.2	17.6	18.1	18.5	18.9	19.2	19.6	19.9	20.2	20.5	20.5	20.7	20.9	21.1	21.2	14.9%
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.7	4.4	5.0	5.6	6.0	6.3	6.5	6.6	6.7	6.7	6.6	6.7	6.8	6.9	7.0	7.0	35.9%
Liquid Petroleum Gas ICE	1.2	1.7	2.9	3.8	5.0	5.7	7.5	10.1	13.6	15.3	15.7	16.0	16.4	16.7	17.0	17.2	17.6	17.9	18.1	18.3	18.3	18.4	18.6	18.8	18.8	12.3%
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.0	4.8	5.5	6.1	6.6	6.9	7.1	7.3	7.5	7.5	7.5	7.5	7.7	7.8	7.9	8.0	32.2%
Gas Turbine 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	0.1	0.1	0.2	0.2	0.2	0.2	0.2	N/A
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
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	68.4%
Total Alternatives	3.1	5.9	10.4	14.7	20.1	24.1	26.1	29.0	91.0	95.8	99.2	101.9	104.6	106.8	108.8	109.3	110.0	111.7	112.3	113.6	112.2	113.7	114.6	115.5	115.5	16.2%
Percent Alternative Car Sales	0.23	0.44	0.78	1.11	1.55	1.89	2.05	2.29	7.14	7.41	7.55	7.67	7.76	7.85	7.87	7.86	7.82	7.85	7.82	7.86	7.76	7.80	7.78	7.77	7.77	15.8%
Total New Car Sales	1374.2	1319.4	1335.4	1319.8	1294.6	1272.8	1272.3	1265.4	1274.8	1293.9	1313.5	1328.9	1347.6	1364.1	1382.0	1390.3	1406.9	1425.5	1436.1	1445.4	1446.0	1457.8	1472.7	1486.0	1487.4	0.3%
New Light-Truck Sales 2/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	941.9	981.8	1017.5	1027.1	1027.1	1021.7	1034.0	1044.4	1042.8	1065.7	1085.9	1102.1	1121.9	1140.2	1154.9	1157.4	1171.9	1182.5	1186.5	1189.7	1190.7	1200.9	1213.4	1224.5	1225.8	1.1%
Distillate (diesel) ICE	4.1	4.3	4.5	4.5	4.5	4.5	4.5	4.6	3.4	3.5	3.6	3.6	3.7	3.7	3.9	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.2	4.2	4.3	0.2%
Total Conventional	946.0	986.1	1021.9	1031.6	1031.6	1026.2	1038.5	1049.0	1046.1	1069.2	1089.5	1105.7	1125.6	1143.9	1158.8	1161.3	1175.9	1186.5	1190.6	1193.7	1194.8	1205.0	1217.6	1228.7	1230.1	1.1%

Table 39. Light-Duty Vehicle Sales by Technology Type (Thousands) 05 - South Atlantic																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Alternative-Fuel Vehicles																											
Ethanol-Flex Fuel ICE	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	11.0	10.8	10.6	10.4	10.3	10.3	10.2	10.1	9.9	9.8	9.6	9.3	9.2	9.3	9.3	9.3	9.3	9.3	14.4%
Ethanol-Neat Ice	0.0	0.1	0.1	0.2	0.3	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	14.8%
Methanol-Flex Fuel ICE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	8.8	8.7	8.6	8.6	8.6	8.6	8.7	8.4	8.1	8.2	8.2	8.5	7.9	8.1	8.1	8.1	8.1	8.1	15.3%
Methanol-Neat ICE	0.2	0.6	0.9	1.5	2.5	3.4	3.5	3.5	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	13.9%
Electric Vehicle	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	12.2%
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	31.9%
Compressed Natural Gas ICE	0.7	1.9	3.3	5.3	8.4	11.2	11.4	11.6	12.4	12.8	13.1	13.4	13.8	14.0	14.3	14.3	14.6	14.7	14.8	14.9	14.9	15.0	15.1	15.3	15.3	13.7%	
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.3	1.5	1.7	1.9	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	26.8%
Liquid Petroleum Gas ICE	0.9	1.3	1.8	2.4	3.3	4.1	4.2	5.1	6.2	6.9	7.0	7.2	7.4	7.6	7.7	7.7	7.9	8.0	8.0	8.1	8.1	8.1	8.2	8.3	8.3	9.6%	
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.4	1.6	1.8	2.0	2.2	2.3	2.3	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.4	2.4	2.4	25.9%
Gas Turbine 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	0.1	0.1	0.1	N/A	
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	93.6%
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	0.0	N/A
Total Alternatives	2.5	4.5	6.9	10.2	15.4	20.1	20.4	21.5	45.5	47.0	47.9	48.7	49.6	50.4	51.1	50.9	50.9	51.3	51.3	51.5	50.8	51.3	51.5	51.9	51.9	13.5%	
Percent Alternative Light Truck Sales	0.26	0.46	0.67	0.98	1.47	1.92	1.92	2.01	4.17	4.21	4.21	4.22	4.22	4.22	4.22	4.20	4.15	4.15	4.13	4.13	4.07	4.08	4.06	4.05	4.05	12.0%	
Total New Truck Sales	948.5	990.6	1028.9	1041.8	1046.9	1046.3	1058.9	1070.5	1091.7	1116.2	1137.4	1154.4	1175.2	1194.4	1209.9	1212.1	1226.8	1237.8	1241.9	1245.2	1245.6	1256.3	1269.1	1280.6	1282.0	1.3%	
Percentage Total Alternative Sales	0.24	0.45	0.73	1.05	1.52	1.91	1.99	2.16	5.77	5.93	6.00	6.06	6.11	6.15	6.17	6.15	6.11	6.12	6.11	6.13	6.05	6.08	6.06	6.05	6.05	14.3%	
EPACT Legislative Alternative Sales	1.03	6.83	13.67	21.21	31.87	40.64	44.85	48.88	53.45	56.40	57.32	58.02	58.91	59.70	60.44	60.66	61.35	62.01	62.33	62.61	62.58	63.09	63.70	64.24	64.27	18.8%	
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Total Vehicles Sales	2322.7	2310.0	2364.3	2361.6	2341.5	2319.1	2331.2	2335.9	2366.5	2410.1	2450.9	2483.3	2522.8	2558.5	2591.9	2602.4	2633.7	2663.4	2678.0	2690.6	2691.6	2714.1	2741.8	2766.6	2769.3	0.7%	

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
CNG = Compressed natural gas.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.
Sources: 1996 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; Bunch, David S., Mark Bradley, Thomas F. Golob, Ryuichi Kitamura, Gareth P. Occhiuzzo, "Demand for Clean-Fuel Personal Vehicles in California: A Discrete-Choice Stated Preference Survey," (December 1991); 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 1995, DOE/EIA-0585(95) (Washington, DC, December 1996); and EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 40. Light-Duty Vehicle Sales by Technology Type (Thousands) 06 - East South Central																									1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
New Car Sales 1/																																																		
Conventional Vehicles																																																		
Gasoline ICE Vehicles	443.5	427.4	432.5	426.2	416.2	407.5	406.1	402.3	385.9	389.7	394.1	397.3	401.5	405.1	409.1	410.6	414.6	418.8	420.9	422.3	421.7	423.8	427.1	429.9	429.2	-0.1%																								
Distillate (diesel) ICE	2.9	2.8	2.9	2.9	2.8	2.8	2.8	2.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	-3.9%																								
Total Conventional	446.4	430.3	435.4	429.1	419.0	410.2	408.9	405.0	386.9	390.7	395.1	398.3	402.5	406.1	410.2	411.6	415.6	419.9	421.9	423.4	422.8	424.9	428.2	431.0	430.3	-0.2%																								
Alternative-Fuel Vehicles																																																		
Methanol-Flex Fuel ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	7.2	7.2	7.2	7.2	7.2	7.1	7.2	7.0	6.8	6.9	6.8	6.9	6.6	6.7	6.7	6.7	6.7	17.2%																								
Methanol-Neat ICE	0.1	0.2	0.3	0.4	0.7	0.9	0.9	0.9	1.6	1.8	2.0	2.2	2.4	2.5	2.7	2.7	2.8	2.9	3.0	3.2	3.0	3.1	3.0	3.0	3.0	18.3%																								
Ethanol-Flex Fuel ICE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	7.9	7.8	7.8	7.7	7.6	7.6	7.5	7.4	7.3	7.3	7.2	7.0	7.0	7.0	7.1	7.1	7.1	16.7%																								
Ethanol-Neat Ice	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	24.7%																								
Electric Vehicle	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	15.3%																								
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	29.3%																								
Compressed Natural Gas ICE	0.2	0.8	1.8	2.7	3.8	4.6	4.7	4.7	5.3	5.5	5.6	5.8	5.9	6.0	6.2	6.2	6.3	6.4	6.5	6.6	6.6	6.6	6.7	6.7	6.7	14.8%																								
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.3	1.5	1.7	1.9	2.0	2.1	2.1	2.1	2.2	2.2	2.1	2.2	2.2	2.2	2.2	2.2	35.5%																								
Liquid Petroleum Gas ICE	0.4	0.6	0.9	1.3	1.6	1.9	2.5	3.3	4.5	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1	12.2%																								
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.4	1.7	1.9	2.1	2.3	2.4	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	32.4%																								
Gas Turbine 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	0.1	0.1	0.1	0.1	N/A																								
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	68.1%																								
Total Alternatives	1.0	1.9	3.4	4.8	6.6	7.9	8.6	9.5	29.9	31.5	32.6	33.4	34.3	35.0	35.5	35.6	35.8	36.3	36.4	36.7	36.2	36.6	36.8	37.0	36.9	16.1%																								
Percent Alternative Car Sales	0.23	0.44	0.78	1.11	1.55	1.89	2.05	2.29	7.17	7.45	7.62	7.74	7.84	7.92	7.97	7.96	7.93	7.95	7.94	7.98	7.89	7.93	7.91	7.90	7.90	15.9%																								
Total New Car Sales	447.4	432.2	438.8	433.9	425.6	418.1	417.4	414.5	416.8	422.2	427.7	431.7	436.7	441.1	445.7	447.2	451.4	456.2	458.4	460.1	459.1	461.6	465.0	468.0	467.2	0.2%																								
New Light-Truck Sales 2/																																																		
Conventional Vehicles																																																		
Gasoline ICE Vehicles	306.7	321.6	334.3	337.7	337.6	335.6	339.2	342.1	340.8	347.5	353.3	357.6	363.2	368.2	372.0	371.8	375.5	377.9	378.1	378.1	377.4	379.6	382.6	385.1	384.5	0.9%																								
Distillate (diesel) ICE	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.2	1.2	1.2	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	1.4	0.3%																								
Total Conventional	308.0	323.0	335.8	339.2	339.1	337.1	340.7	343.6	341.9	348.7	354.5	358.9	364.5	369.5	373.3	373.2	376.8	379.2	379.5	379.5	378.8	381.0	384.0	386.5	385.9	0.9%																								

Table 40. Light-Duty Vehicle Sales by Technology Type (Thousands) 06 - East South Central																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Alternative-Fuel Vehicles																										
Ethanol-Flex Fuel ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.5	3.5	3.4	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.0	3.0	2.9	3.0	3.0	2.9	14.3%
Ethanol-Neat Ice	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	14.7%
Methanol-Flex Fuel ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.8	2.8	2.7	2.7	2.7	2.7	2.8	2.7	2.6	2.6	2.6	2.7	2.5	2.6	2.5	2.5	2.5	15.1%
Methanol-Neat ICE	0.1	0.2	0.3	0.5	0.8	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	13.7%
Electric Vehicle	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	12.0%
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	31.7%
Compressed Natural Gas ICE	0.2	0.6	1.1	1.7	2.8	3.7	3.7	3.8	4.1	4.2	4.3	4.4	4.5	4.6	4.6	4.6	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	13.6%
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	26.3%
Liquid Petroleum Gas ICE	0.3	0.4	0.6	0.8	1.1	1.4	1.4	1.7	2.1	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	9.6%
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.9	0.9	26.4%
Gas Turbine 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	100.0%
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	93.3%
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	0.8	1.5	2.3	3.3	5.0	6.6	6.7	7.0	14.9	15.4	15.6	15.9	16.2	16.5	16.6	16.5	16.5	16.6	16.6	16.6	16.3	16.5	16.5	16.6	16.5	13.4%
Percent Alternative Light Truck Sales	0.26	0.46	0.67	0.97	1.47	1.92	1.92	2.01	4.17	4.22	4.23	4.25	4.26	4.27	4.27	4.25	4.20	4.20	4.19	4.19	4.14	4.14	4.12	4.11	4.11	12.1%
Total New Truck Sales	308.8	324.5	338.0	342.5	344.2	343.7	347.4	350.7	356.8	364.1	370.2	374.8	380.7	385.9	390.0	389.7	393.4	395.9	396.1	396.1	395.2	397.5	400.5	403.1	402.5	1.1%
Percentage Total Alternative Sales	0.24	0.45	0.73	1.05	1.52	1.91	1.99	2.16	5.79	5.96	6.04	6.12	6.17	6.22	6.24	6.23	6.19	6.21	6.20	6.23	6.15	6.18	6.16	6.15	6.14	14.4%
EPACT Legislative Alternative Sales	0.34	2.24	4.49	6.97	10.48	13.35	14.71	16.01	17.48	18.40	18.66	18.85	19.09	19.30	19.49	19.51	19.69	19.85	19.89	19.93	19.87	19.98	20.11	20.23	20.19	18.6%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Vehicles Sales	756.3	756.7	776.8	776.4	769.8	761.9	764.9	765.2	773.6	786.3	797.8	806.5	817.4	827.0	835.7	836.9	844.8	852.1	854.5	856.2	854.2	859.1	865.5	871.1	869.7	0.6%

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
CNG = Compressed natural gas.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.

Sources: 1996 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; Bunch, David S., Mark Bradley, Thomas F. Golob, Ryuichi Kitamura, Gareth P. Occhiuzzo, "Demand for Clean-Fuel Personal Vehicles in California: A Discrete-Choice Stated Preference Survey," (December 1991); 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 1995, DOE/EIA-0585(95) (Washington, DC, December 1996); and EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 41. Light-Duty Vehicle Sales by Technology Type (Thousands) 07 - West South Central																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
New Car Sales 1/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	787.5	758.8	768.5	758.7	742.1	727.9	726.9	721.5	694.2	702.6	712.1	719.4	728.5	736.6	745.6	749.7	758.4	767.7	772.8	776.9	777.4	782.9	790.5	797.1	797.3	0.1%
Distillate (diesel) ICE	5.2	5.1	5.1	5.1	5.0	4.9	4.9	4.9	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	-3.8%
Total Conventional	792.7	763.9	773.6	763.8	747.1	732.8	731.8	726.4	696.0	704.4	713.9	721.2	730.4	738.5	747.5	751.6	760.3	769.7	774.8	778.9	779.4	784.9	792.5	799.2	799.4	0.0%
Alternative-Fuel Vehicles																										
Methanol-Flex Fuel ICE	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.2	12.5	12.5	12.4	12.4	12.4	12.3	12.4	12.1	11.9	12.0	12.0	12.3	11.7	12.0	11.9	12.0	11.9	17.2%
Methanol-Neat ICE	0.1	0.3	0.5	0.7	1.2	1.6	1.6	1.6	2.7	3.0	3.3	3.6	3.9	4.1	4.2	4.3	4.3	4.4	4.5	4.8	4.5	4.6	4.6	4.6	4.6	17.6%
Ethanol-Flex Fuel ICE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	13.8	13.6	13.6	13.3	13.3	13.1	13.1	12.9	12.8	12.8	12.7	12.5	12.5	12.5	12.6	12.7	12.7	16.7%
Ethanol-Neat Ice	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	1.0	1.2	1.4	1.5	1.7	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.5	2.5	2.5	2.5	2.5	24.6%
Electric Vehicle	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	15.6%
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	29.6%
Compressed Natural Gas ICE	0.4	1.5	3.2	4.8	6.8	8.3	8.4	8.5	9.6	10.0	10.4	10.8	11.1	11.5	11.8	12.0	12.3	12.7	13.0	13.2	13.3	13.4	13.5	13.6	13.6	15.4%
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.0	2.4	2.7	3.0	3.2	3.3	3.4	3.5	3.5	3.5	3.5	3.6	3.6	3.7	3.7	3.7	35.3%
Liquid Petroleum Gas ICE	0.7	1.0	1.7	2.2	2.9	3.4	4.4	6.0	8.7	9.9	10.4	10.9	11.4	11.9	12.3	12.7	13.1	13.5	13.7	13.7	13.7	13.9	14.0	14.2	14.2	13.5%
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	2.6	3.1	3.5	3.9	4.2	4.3	4.5	4.6	4.7	4.7	4.7	4.8	4.9	4.9	5.0	5.0	32.7%
Gas Turbine 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	0.1	0.1	0.1	0.1	0.1	0.1	N/A
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
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	67.8%
Total Alternatives	1.8	3.4	6.1	8.6	11.8	14.1	15.3	17.0	53.2	56.2	58.4	60.1	62.0	63.5	64.9	65.4	66.2	67.4	68.1	68.9	68.2	69.1	69.6	70.2	70.2	16.4%
Percent Alternative Car Sales	0.23	0.44	0.78	1.11	1.55	1.89	2.05	2.29	7.10	7.39	7.56	7.70	7.82	7.92	7.99	8.01	8.01	8.06	8.08	8.13	8.05	8.09	8.07	8.07	8.07	16.0%
Total New Car Sales	794.5	767.3	779.7	772.4	758.9	746.9	747.1	743.5	749.2	760.6	772.2	781.4	792.4	802.0	812.4	817.0	826.5	837.1	842.9	847.8	847.6	854.0	862.1	869.3	869.6	0.4%
New Light-Truck Sales 2/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	544.6	571.0	594.1	601.1	602.1	599.6	607.2	613.6	613.0	626.5	638.4	647.7	659.2	669.7	678.1	679.2	687.3	693.0	694.8	696.2	696.3	701.8	708.7	714.7	715.0	1.1%
Distillate (diesel) ICE	2.4	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.1	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	0.4%
Total Conventional	546.9	573.4	596.7	603.8	604.7	602.2	609.9	616.3	615.2	628.7	640.6	650.0	661.5	672.0	680.5	681.6	689.7	695.4	697.3	698.7	698.8	704.4	711.3	717.3	717.6	1.1%

Table 41. Light-Duty Vehicle Sales by Technology Type (Thousands) 07 - West South Central																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Alternative-Fuel Vehicles																											
Ethanol-Flex Fuel ICE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	5.9	5.7	5.5	5.4	5.3	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.7	4.7	4.7	4.7	4.7	13.8%	
Ethanol-Neat Ice	0.0	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	14.8%	
Methanol-Flex Fuel ICE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	4.6	4.5	4.4	4.4	4.3	4.3	4.3	4.2	4.0	4.1	4.1	4.2	3.9	4.0	4.0	4.0	4.0	14.6%	
Methanol-Neat ICE	0.1	0.3	0.5	0.9	1.4	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	13.8%	
Electric Vehicle	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	0.1	0.1	0.1	0.1	12.2%	
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.4	0.4	0.4	31.3%	
Compressed Natural Gas ICE	0.4	1.1	2.0	3.1	4.9	6.6	6.7	6.8	7.3	7.6	7.9	8.1	8.3	8.5	8.6	8.7	8.8	9.0	9.1	9.1	9.1	9.2	9.2	9.3	9.3	14.0%	
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.7	0.8	0.9	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	25.9%	
Liquid Petroleum Gas ICE	0.5	0.8	1.1	1.4	2.0	2.4	2.5	3.0	3.9	4.4	4.6	4.8	5.0	5.2	5.3	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.8	5.8	5.8	10.5%	
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.9	1.1	1.3	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.6	1.6	26.6%	
Gas Turbine 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	99.2%	
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	90.8%	
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	1.4	2.6	4.0	5.9	9.0	11.8	12.0	12.6	26.0	26.9	27.4	27.9	28.5	29.1	29.5	29.4	29.5	29.8	29.9	30.0	29.6	29.8	30.0	30.2	30.2	13.5%	
Percent Alternative Light Truck Sales	0.26	0.46	0.67	0.97	1.47	1.92	1.92	2.01	4.05	4.10	4.10	4.12	4.14	4.15	4.15	4.14	4.11	4.11	4.11	4.11	4.11	4.06	4.06	4.05	4.04	4.03	12.0%
Total New Truck Sales	548.4	576.1	600.7	609.7	613.7	614.0	621.8	628.9	641.1	655.6	668.0	677.9	690.1	701.1	710.0	711.0	719.3	725.3	727.2	728.6	728.4	734.2	741.2	747.5	747.7	1.3%	
Percentage Total Alternative Sales	0.24	0.45	0.73	1.05	1.51	1.91	1.99	2.16	5.70	5.86	5.96	6.04	6.11	6.16	6.20	6.21	6.19	6.23	6.24	6.27	6.21	6.23	6.21	6.21	6.20	14.4%	
EPACT Legislative Alternative Sales	0.60	3.97	7.98	12.41	18.68	23.85	26.34	28.72	31.41	33.16	33.70	34.12	34.64	35.10	35.53	35.65	36.05	36.42	36.58	36.72	36.69	36.96	37.29	37.58	37.58	18.8%	
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Total Vehicles Sales	1342.9	1343.4	1380.4	1382.1	1372.6	1360.9	1369.0	1372.4	1390.3	1416.2	1440.2	1459.3	1482.4	1503.1	1522.3	1528.0	1545.8	1562.4	1570.0	1576.4	1576.0	1588.2	1603.4	1616.8	1617.3	0.8%	

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
CNG = Compressed natural gas.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.

Sources: 1996 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; Bunch, David S., Mark Bradley, Thomas F. Golob, Ryuichi Kitamura, Gareth P. Occhiuzzo, "Demand for Clean-Fuel Personal Vehicles in California: A Discrete-Choice Stated Preference Survey," (December 1991); 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 1995, DOE/EIA-0585(95) (Washington, DC, December 1996); and EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 42. Light-Duty Vehicle Sales by Technology Type (Thousands) 08 - Mountain																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
New Car Sales 1/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	425.1	414.8	423.7	421.1	413.8	407.6	408.4	406.6	393.0	399.0	405.6	410.8	417.1	422.9	429.3	433.1	439.5	446.2	450.4	454.0	455.5	459.9	465.5	470.5	471.7	0.4%
Distillate (diesel) ICE	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	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	1.2	1.2	1.2	-3.5%
Total Conventional	427.9	417.6	426.6	423.9	416.6	410.3	411.2	409.3	394.0	400.0	406.6	411.9	418.2	424.0	430.4	434.2	440.6	447.3	451.6	455.1	456.7	461.1	466.7	471.7	472.9	0.4%
Alternative-Fuel Vehicles																										
Methanol-Flex Fuel ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	6.9	6.9	6.8	6.7	6.7	6.6	6.5	6.4	6.2	6.2	6.1	6.2	5.9	6.1	6.1	6.1	6.1	16.9%
Methanol-Neat ICE	0.1	0.2	0.3	0.4	0.7	0.9	0.9	0.9	1.8	2.0	2.3	2.6	2.9	3.1	3.4	3.5	3.5	3.8	4.0	4.3	4.0	4.2	4.2	4.2	4.2	20.0%
Ethanol-Flex Fuel ICE	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	7.3	7.2	7.0	6.8	6.7	6.6	6.4	6.3	6.2	6.0	5.9	5.7	5.7	5.8	5.8	5.9	5.9	16.1%
Ethanol-Neat Ice	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.6	0.8	0.9	1.1	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.0	2.0	2.0	2.0	2.0	26.5%
Electric Vehicle	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	15.6%
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	29.0%
Compressed Natural Gas ICE	0.2	0.8	1.8	2.7	3.8	4.6	4.7	4.8	5.4	5.6	5.9	6.1	6.3	6.5	6.7	6.8	7.0	7.2	7.3	7.5	7.5	7.6	7.7	7.8	7.8	15.7%
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.1	1.3	1.5	1.6	1.7	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	35.4%
Liquid Petroleum Gas ICE	0.4	0.6	0.9	1.2	1.6	1.9	2.5	3.4	4.6	5.3	5.5	5.6	5.8	6.0	6.2	6.3	6.5	6.7	6.8	6.9	6.9	7.0	7.1	7.2	7.2	13.2%
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.4	1.6	1.8	2.0	2.2	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.6	32.1%
Gas Turbine 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	0.1	0.1	0.1	0.1	N/A
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	67.4%
Total Alternatives	1.0	1.9	3.3	4.8	6.6	7.9	8.6	9.6	29.3	30.9	32.0	32.9	33.9	34.7	35.4	35.7	36.1	36.7	37.1	37.7	37.3	37.8	38.2	38.5	38.6	16.5%
Percent Alternative Car Sales	0.23	0.44	0.78	1.11	1.55	1.89	2.05	2.29	6.92	7.17	7.29	7.40	7.50	7.57	7.61	7.59	7.57	7.58	7.58	7.64	7.55	7.58	7.56	7.55	7.55	15.7%
Total New Car Sales	428.9	419.4	429.9	428.7	423.2	418.3	419.8	418.9	423.3	430.9	438.6	444.8	452.1	458.7	465.9	469.8	476.6	484.0	488.7	492.8	493.9	498.9	504.9	510.3	511.5	0.7%
New Light-Truck Sales 2/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	294.0	312.1	327.6	333.6	335.8	335.7	341.2	345.7	346.7	355.4	363.1	369.4	376.9	383.9	389.8	391.6	397.4	401.9	404.1	405.9	407.0	411.3	416.3	420.8	421.9	1.5%
Distillate (diesel) ICE	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	0.7%
Total Conventional	295.2	313.5	329.0	335.1	337.2	337.2	342.7	347.3	347.9	356.6	364.4	370.7	378.2	385.2	391.2	393.0	398.8	403.3	405.5	407.4	408.5	412.8	417.8	422.3	423.4	1.5%

Table 42. Light-Duty Vehicle Sales by Technology Type (Thousands) 08 - Mountain																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Alternative-Fuel Vehicles																										
Ethanol-Flex Fuel ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	3.2	3.1	3.0	2.9	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.4	2.3	2.3	2.4	2.4	2.4	13.6%
Ethanol-Neat Ice	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	15.6%
Methanol-Flex Fuel ICE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.7	2.6	2.6	2.6	2.6	2.5	2.6	2.5	2.4	2.4	2.4	2.5	2.3	2.3	2.3	2.3	2.3	14.8%
Methanol-Neat ICE	0.1	0.2	0.3	0.5	0.8	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	14.5%
Electric Vehicle	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	12.5%
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	31.5%
Compressed Natural Gas ICE	0.2	0.6	1.1	1.7	2.7	3.7	3.8	3.8	4.1	4.3	4.4	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.2	5.3	5.3	5.3	5.4	5.4	5.4	14.3%
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.6	0.6	0.6	0.6	26.4%
Liquid Petroleum Gas ICE	0.3	0.4	0.6	0.8	1.1	1.4	1.4	1.7	2.1	2.3	2.4	2.5	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.0	3.1	3.1	3.1	10.5%
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.6	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	26.2%
Gas Turbine 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	99.9%
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	95.5%
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	0.8	1.4	2.2	3.3	5.0	6.6	6.7	7.1	14.5	15.0	15.2	15.5	15.9	16.2	16.4	16.3	16.4	16.6	16.6	16.7	16.5	16.7	16.8	16.9	17.0	13.7%
Percent Alternative Light Truck Sales	0.26	0.46	0.67	0.97	1.47	1.92	1.92	2.01	4.00	4.03	4.02	4.02	4.03	4.03	4.02	3.99	3.95	3.94	3.93	3.93	3.88	3.88	3.86	3.86	3.85	11.8%
Total New Truck Sales	296.0	314.9	331.2	338.4	342.3	343.8	349.4	354.4	362.4	371.6	379.6	386.2	394.1	401.4	407.5	409.3	415.2	419.9	422.1	424.0	425.0	429.4	434.6	439.2	440.4	1.7%
Percentage Total Alternative Sales	0.24	0.45	0.73	1.05	1.52	1.91	1.99	2.16	5.57	5.72	5.77	5.83	5.88	5.92	5.93	5.92	5.88	5.89	5.89	5.93	5.85	5.87	5.85	5.84	5.84	14.2%
EPACT Legislative Alternative Sales	0.32	2.17	4.40	6.89	10.42	13.35	14.80	16.18	17.75	18.78	19.14	19.42	19.76	20.07	20.37	20.50	20.79	21.06	21.21	21.35	21.38	21.59	21.84	22.06	22.11	19.3%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	724.9	734.3	761.1	767.1	765.5	762.1	769.2	773.3	785.7	802.5	818.2	831.1	846.2	860.1	873.4	879.1	891.9	903.9	910.8	916.8	918.9	928.3	939.4	949.3	951.9	1.1%

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
CNG = Compressed natural gas.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.

Sources: 1996 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; Bunch, David S., Mark Bradley, Thomas F. Golob, Ryuichi Kitamura, Gareth P. Occhiuzzo, "Demand for Clean-Fuel Personal Vehicles in California: A Discrete-Choice Stated Preference Survey," (December 1991); 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 1995, DOE/EIA-0585(95) (Washington, DC, December 1996); and EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 43. Light-Duty Vehicle Sales by Technology Type (Thousands) 09 - Pacific																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
New Car Sales 1/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	1161.7	1115.1	1127.7	1113.1	1088.4	1067.4	1065.9	936.7	881.6	891.3	902.8	912.0	923.3	933.9	945.7	951.4	962.5	975.2	982.4	988.7	988.8	996.5	1006.1	1014.6	1015.1	-0.6%
Distillate (diesel) ICE	7.7	7.4	7.6	7.5	7.3	7.2	7.2	7.2	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	3.0	-3.9%
Total Conventional	1169.4	1122.5	1135.2	1120.6	1095.8	1074.7	1073.2	943.9	884.1	893.8	905.4	914.6	926.0	936.6	948.5	954.2	965.3	978.1	985.2	991.6	991.7	999.4	1009.0	1017.5	1018.0	-0.6%
Alternative-Fuel Vehicles																										
Methanol-Flex Fuel ICE	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	18.0	17.7	17.3	17.0	16.8	16.5	16.4	16.1	16.0	15.9	15.9	15.8	15.8	15.8	16.0	16.3	16.2	16.7%
Methanol-Neat ICE	0.1	0.4	0.7	1.1	1.7	2.3	2.3	2.4	5.8	6.8	8.0	9.2	10.4	11.4	12.2	12.9	13.6	14.0	14.2	14.3	14.3	14.3	14.5	14.8	14.7	21.3%
Ethanol-Flex Fuel ICE	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	18.3	17.7	17.2	16.6	16.2	15.8	15.5	15.1	14.9	14.6	14.4	14.2	14.1	14.1	14.2	14.3	14.3	15.6%
Ethanol-Neat Ice	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	1.6	2.0	2.4	2.8	3.2	3.5	3.8	4.1	4.4	4.7	4.9	5.2	5.2	5.1	5.2	5.2	5.2	26.1%
Electric Vehicle	0.0	0.1	0.2	0.2	0.3	0.3	0.4	118.9	135.3	138.5	141.3	143.1	145.2	147.0	148.8	149.1	150.6	152.2	152.7	153.3	153.2	154.5	155.8	156.9	156.9	44.7%
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	28.4%
Compressed Natural Gas ICE	0.6	2.2	4.7	7.1	10.0	12.1	12.3	12.5	13.8	14.4	14.9	15.4	15.9	16.3	16.8	17.0	17.5	17.9	18.3	18.6	18.6	18.8	19.0	19.2	19.2	15.2%
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.6	3.1	3.5	3.8	4.0	4.2	4.3	4.4	4.4	4.5	4.5	4.5	4.5	4.6	4.7	4.7	34.8%
Liquid Petroleum Gas ICE	1.0	1.5	2.5	3.3	4.3	4.9	6.5	8.7	12.4	14.1	14.7	15.3	15.9	16.5	17.0	17.3	17.6	18.0	18.2	18.3	18.2	18.4	18.6	18.8	18.9	13.0%
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	3.3	3.9	4.4	4.8	5.1	5.3	5.4	5.4	5.5	5.5	5.6	5.6	5.7	5.8	5.8	5.9	31.3%
Gas Turbine 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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	N/A
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
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	66.6%
Total Alternatives	2.7	5.0	8.9	12.6	17.3	20.7	22.5	143.5	211.3	218.3	223.9	228.4	233.4	237.4	241.1	242.5	245.5	248.4	249.9	251.0	250.8	252.7	255.3	257.5	257.5	21.0%
Percent Alternative Car Sales	0.23	0.44	0.78	1.11	1.55	1.89	2.05	13.20	19.29	19.63	19.83	19.98	20.13	20.22	20.27	20.26	20.27	20.25	20.25	20.20	20.18	20.18	20.19	20.20	20.19	20.5%
Total New Car Sales	1172.1	1127.5	1144.1	1133.2	1113.0	1095.4	1095.7	1087.4	1095.4	1112.2	1129.3	1143.0	1159.4	1174.0	1189.5	1196.6	1210.8	1226.5	1235.1	1242.6	1242.5	1252.1	1264.3	1275.1	1275.6	0.4%
New Light-Truck Sales 2/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	803.4	839.0	871.7	881.9	883.1	879.3	890.5	865.2	879.9	900.7	918.6	932.7	949.3	965.3	977.9	979.7	991.4	1000.5	1003.3	1005.9	1006.0	1014.9	1024.6	1033.3	1033.7	1.1%
Distillate (diesel) ICE	3.5	3.7	3.8	3.9	3.9	3.9	3.9	4.0	2.9	3.0	3.2	3.2	3.4	3.4	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	0.3%
Total Conventional	806.9	842.7	875.5	885.8	886.9	883.1	894.4	869.1	882.9	903.7	921.8	935.9	953.0	968.7	981.4	983.2	995.0	1004.0	1006.9	1009.5	1009.6	1018.5	1028.3	1036.9	1037.5	1.1%

Table 43. Light-Duty Vehicle Sales by Technology Type (Thousands) 09 - Pacific																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Alternative-Fuel Vehicles																										
Ethanol-Flex Fuel ICE	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	8.3	8.0	7.6	7.4	7.3	7.1	6.9	6.7	6.7	6.5	6.3	6.1	6.0	6.0	6.0	6.1	6.0	13.3%
Ethanol-Neat Ice	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	15.2%
Methanol-Flex Fuel ICE	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	7.4	7.2	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.7	6.9	6.8	15.1%
Methanol-Neat ICE	0.2	0.5	0.8	1.3	2.1	3.0	3.0	3.1	3.4	3.5	3.7	3.8	4.0	4.1	4.2	4.2	4.3	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.5	14.4%
Electric Vehicle	0.0	0.0	0.1	0.1	0.1	0.1	0.1	34.7	19.7	19.2	18.9	19.0	19.3	19.5	19.8	19.9	20.2	20.2	20.3	20.2	20.1	19.9	20.1	20.3	20.2	36.1%
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	31.0%
Compressed Natural Gas ICE	0.6	1.6	2.9	4.5	7.2	9.7	9.8	10.0	10.7	11.1	11.4	11.7	12.0	12.3	12.5	12.6	12.8	13.0	13.1	13.2	13.2	13.3	13.4	13.6	13.5	13.9%
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.9	1.1	1.2	1.3	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	26.1%
Liquid Petroleum Gas ICE	0.8	1.1	1.5	2.1	2.9	3.6	3.6	4.4	5.6	6.3	6.5	6.8	7.0	7.3	7.5	7.6	7.6	7.7	7.8	7.8	7.8	7.8	7.9	8.0	8.0	10.2%
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.2	1.4	1.6	1.8	1.9	1.9	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	25.4%
Gas Turbine 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	99.1%
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	96.6%
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	2.1	3.9	5.9	8.7	13.2	17.3	17.5	53.1	57.8	58.3	58.7	59.4	60.6	61.5	62.2	62.3	63.0	63.1	63.2	63.0	62.7	62.7	63.3	63.9	63.8	15.2%
Percent Alternative Light Truck Sales	0.26	0.46	0.67	0.98	1.47	1.92	1.92	5.76	6.14	6.06	5.98	5.97	5.98	5.97	5.96	5.96	5.95	5.91	5.90	5.87	5.85	5.80	5.80	5.81	5.79	13.7%
Total New Truck Sales	809.0	846.5	881.5	894.5	900.1	900.4	911.9	922.3	940.6	962.0	980.4	995.4	1013.6	1030.2	1043.6	1045.4	1057.9	1067.1	1070.1	1072.4	1072.3	1081.1	1091.6	1100.8	1101.3	1.3%
Percentage Total Alternative Sales	0.24	0.45	0.73	1.05	1.52	1.91	1.99	9.78	13.22	13.34	13.40	13.46	13.53	13.56	13.58	13.59	13.59	13.58	13.58	13.56	13.54	13.52	13.52	13.53	13.52	18.2%
EPACT Legislative Alternative Sales	0.88	5.83	11.72	18.21	27.40	34.97	38.62	42.11	46.07	48.62	49.43	50.05	50.83	51.53	52.17	52.36	52.96	53.51	53.76	53.98	53.94	54.35	54.85	55.28	55.28	18.8%
ZEVP Legislative Alternative Sales	0.00	0.00	0.00	0.00	0.00	0.00	0.00	156.00	157.75	160.42	162.97	164.88	167.31	169.45	171.42	171.87	173.68	175.34	175.99	176.55	176.27	177.46	178.94	180.23	180.08	N/A
Total Vehicles Sales	1981.1	1974.1	2025.6	2027.7	2013.2	1995.8	2007.6	2009.7	2036.1	2074.1	2109.8	2138.4	2173.0	2204.3	2233.1	2242.1	2268.7	2293.6	2305.2	2315.0	2314.8	2333.2	2355.8	2375.9	2376.9	0.8%

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
CNG = Compressed natural gas.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.

Sources: 1996 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; Bunch, David S., Mark Bradley, Thomas F. Golob, Ryuichi Kitamura, Gareth P. Occhiuzzo, "Demand for Clean-Fuel Personal Vehicles in California: A Discrete-Choice Stated Preference Survey," (December 1991); 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 1995, DOE/EIA-0585(95) (Washington, DC, December 1996); and EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 44. Light-Duty Vehicle Sales by Technology Type (Thousands) United States																									1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
New Car Sales 1/																																																		
Conventional Vehicles																																																		
Gasoline ICE Vehicles	7345.5	7050.2	7107.5	7000.4	6832.7	6672.6	6652.0	6426.2	6141.5	6204.5	6278.0	6333.4	6404.7	6467.8	6538.5	6566.6	6634.9	6709.6	6747.3	6776.7	6771.1	6811.4	6868.8	6918.2	6911.9	-0.3%																								
Distillate (diesel) ICE	48.8	47.0	47.7	47.1	46.2	45.4	45.3	45.1	15.6	15.9	16.1	16.3	16.5	16.6	16.9	17.0	17.3	17.5	17.7	17.8	17.9	18.0	18.1	18.2	18.3	-4.0%																								
Total Conventional	7394.3	7097.2	7155.2	7047.5	6878.9	6718.0	6697.4	6471.3	6157.1	6220.4	6294.1	6349.6	6421.2	6484.4	6555.2	6583.6	6652.2	6727.1	6765.0	6794.5	6789.0	6829.4	6886.9	6936.4	6930.2	-0.3%																								
Alternative-Fuel Vehicles																																																		
Methanol-Flex Fuel ICE	2.5	2.3	2.3	2.4	2.3	2.2	2.2	2.1	117.3	116.7	115.3	114.5	113.7	112.9	112.8	110.5	108.3	108.7	108.1	109.0	105.8	107.2	107.3	107.7	107.4	17.0%																								
Methanol-Neat ICE	0.9	2.6	4.4	6.9	10.8	14.3	14.5	14.7	28.2	32.5	36.6	40.7	44.5	47.8	50.7	52.2	53.9	56.1	58.0	60.6	58.7	59.6	59.7	60.0	59.8	19.1%																								
Ethanol-Flex Fuel ICE	2.9	2.8	2.8	2.7	2.6	2.5	2.4	2.3	126.0	124.1	122.8	120.1	118.7	117.2	116.0	114.1	112.6	111.7	109.7	107.6	107.2	107.5	108.3	108.9	108.6	16.3%																								
Ethanol-Neat Ice	0.1	0.3	0.5	0.8	1.2	1.7	1.7	1.7	9.6	11.9	14.0	16.0	18.1	19.9	21.4	22.5	23.8	24.9	25.9	26.8	26.7	26.7	26.8	26.9	26.7	25.2%																								
Electric Vehicle	0.1	0.4	11.9	12.3	12.5	29.1	29.2	191.1	216.9	221.9	226.2	229.1	232.5	235.4	238.2	238.8	241.3	243.9	244.9	245.9	245.7	247.7	249.8	251.7	251.6	36.6%																								
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	7.4	7.7	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.2	8.2	8.3	8.4	8.5	8.5	29.0%																								
Compressed Natural Gas ICE	4.0	13.6	29.5	44.5	62.9	76.1	77.0	78.1	86.5	90.1	92.9	95.3	97.9	100.3	102.5	103.8	106.0	108.1	109.8	111.3	111.2	112.0	113.1	113.9	113.9	14.9%																								
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	15.5	18.9	22.4	25.3	27.8	29.6	31.1	31.8	32.3	32.7	32.6	32.4	32.6	33.0	33.4	33.8	33.9	35.3%																								
Liquid Petroleum Gas ICE	6.3	9.4	15.5	20.7	26.8	30.8	40.6	54.7	75.0	84.6	87.3	89.5	92.1	94.4	96.5	97.8	99.8	101.7	102.9	103.7	103.4	104.3	105.1	105.9	105.9	12.5%																								
Liquid Petroleum Gas Bi-fuel	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	17.7	21.7	26.1	29.4	32.6	35.0	36.5	37.4	38.3	39.1	39.1	39.0	39.0	39.9	40.4	41.0	41.2	32.0%																								
Gas Turbine Gasoline	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.4	0.6	0.7	0.9	1.0	1.1	1.1	N/A																								
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	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	0.4	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	0.0	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	67.5%																								
Total Alternatives	16.9	31.7	67.1	90.3	119.3	156.9	168.0	345.1	700.2	730.0	751.3	768.0	785.9	800.5	813.7	817.2	824.7	835.5	839.8	845.5	839.9	847.6	853.9	860.1	859.3	17.8%																								
Percent Alternative Car Sales	0.23	0.44	0.93	1.26	1.71	2.28	2.45	5.06	10.21	10.50	10.66	10.79	10.90	10.99	11.04	11.04	11.03	11.05	11.04	11.07	11.01	11.04	11.03	11.03	11.03	17.5%																								
Total New Car Sales	7411.3	7128.9	7222.3	7137.8	6998.2	6874.9	6865.3	6816.4	6857.3	6950.4	7045.4	7117.6	7207.2	7284.9	7368.9	7400.9	7476.9	7562.6	7604.9	7640.0	7628.9	7677.0	7740.9	7796.5	7789.4	0.2%																								
New Light-Truck Sales 2/																																																		
Conventional Vehicles																																																		
Gasoline ICE Vehicles	5079.9	5304.8	5500.6	5552.9	5549.8	5513.7	5574.5	5575.2	5583.3	5699.5	5800.3	5878.0	5974.7	6062.4	6130.9	6133.1	6198.7	6243.7	6253.2	6258.7	6251.4	6294.4	6347.9	6393.8	6388.7	1.0%																								
Distillate (diesel) ICE	22.0	23.1	24.1	24.3	24.3	24.3	24.5	24.7	18.5	19.1	19.5	19.9	20.3	20.5	21.1	21.2	21.6	21.7	21.9	22.0	22.2	22.3	22.4	22.6	22.7	0.1%																								
Total Conventional	5102.0	5327.9	5524.7	5577.2	5574.2	5537.9	5599.1	5600.0	5601.9	5718.6	5819.9	5897.9	5995.0	6082.9	6152.0	6154.3	6220.2	6265.4	6275.1	6280.7	6273.6	6316.6	6370.3	6416.3	6411.4	1.0%																								

Table 44. Light-Duty Vehicle Sales by Technology Type (Thousands) United States																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Alternative-Fuel Vehicles																										
Ethanol-Flex Fuel ICE	2.0	2.1	2.2	2.1	2.1	2.0	1.9	1.8	56.8	55.2	53.9	52.5	52.0	51.5	50.9	49.8	48.9	48.2	46.9	45.7	45.3	45.2	45.3	45.4	45.2	14.0%
Ethanol-Neat Ice	0.1	0.4	0.6	1.0	1.8	2.5	2.5	2.6	3.0	3.1	3.3	3.4	3.5	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	14.8%
Methanol-Flex Fuel ICE	1.4	1.5	1.5	1.6	1.6	1.5	1.5	1.4	46.5	45.7	44.6	44.4	44.2	44.2	44.3	43.2	42.2	42.4	42.2	42.9	41.0	41.5	41.4	41.7	41.6	15.0%
Methanol-Neat ICE	1.1	3.1	4.9	8.0	13.4	18.6	18.8	19.1	20.5	21.3	21.9	22.5	23.1	23.6	24.0	24.1	24.4	24.7	24.8	25.0	24.8	25.0	25.2	25.3	25.3	13.9%
Electric Vehicle	0.1	0.2	2.7	3.0	3.2	6.2	6.2	55.0	32.0	31.3	31.0	31.0	31.5	31.9	32.3	32.5	32.9	33.0	33.1	33.0	32.8	32.7	32.9	33.1	33.0	28.6%
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.7	2.8	2.8	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	31.5%
Compressed Natural Gas ICE	3.8	10.2	18.1	28.6	45.5	60.7	61.4	62.5	66.7	69.0	70.8	72.4	74.1	75.6	76.8	77.1	78.2	79.1	79.5	79.8	79.6	80.0	80.7	81.2	81.1	13.6%
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	5.3	6.6	7.7	8.7	9.5	10.0	10.4	10.5	10.6	10.7	10.6	10.5	10.5	10.5	10.6	10.7	10.7	26.3%
Liquid Petroleum Gas ICE	4.9	7.0	9.7	13.0	18.0	22.3	22.6	27.3	34.2	37.7	38.9	40.0	41.1	42.2	43.0	43.4	44.1	44.6	44.9	45.0	44.9	45.2	45.5	45.9	45.9	9.8%
Liquid Petroleum Gas Bi-fuel	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	6.2	7.7	9.1	10.3	11.3	12.1	12.5	12.7	12.9	13.0	12.9	12.7	12.6	12.7	12.7	12.8	12.8	25.9%
Gas Turbine 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	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	99.6%
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	94.4%
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	13.5	24.5	39.9	57.4	85.5	114.1	115.3	170.0	273.9	280.3	284.0	288.0	293.2	297.7	301.1	300.1	301.1	302.7	302.2	301.9	298.9	300.2	301.8	303.7	303.1	13.8%
Percent Alternative Light Truck Sales	0.26	0.46	0.72	1.02	1.51	2.02	2.02	2.95	4.66	4.67	4.65	4.66	4.66	4.67	4.67	4.65	4.62	4.61	4.59	4.59	4.55	4.54	4.52	4.52	4.51	12.5%
Total New Truck Sales	5115.5	5352.4	5564.6	5634.6	5659.7	5652.0	5714.4	5770.0	5875.7	5998.9	6103.8	6186.0	6288.3	6380.6	6453.1	6454.3	6521.3	6568.1	6577.3	6582.6	6572.4	6616.8	6672.1	6720.1	6714.3	1.1%
Percentage Total Alternative Sales	0.24	0.45	0.84	1.16	1.62	2.16	2.25	4.09	7.65	7.80	7.87	7.94	8.00	8.04	8.07	8.06	8.04	8.06	8.05	8.07	8.02	8.03	8.02	8.02	8.01	15.7%
EPACT Legislative Alternative Sales	5.56	36.89	73.96	114.73	172.30	219.51	242.01	263.46	287.74	303.20	307.71	311.00	315.29	319.04	322.50	323.15	326.32	329.25	330.30	331.17	330.45	332.49	335.08	337.3	336.86	18.6%
ZEVP Legislative Alternative Sales	0.00	0.00	13.56	13.50	13.34	32.94	33.03	247.45	250.12	254.28	258.29	261.26	265.08	268.44	271.55	272.31	275.17	277.84	278.92	279.84	279.39	281.29	283.64	285.68	285.44	N/A
Total Vehicles Sales	12526.7	12481.3	12786.9	12772.3	12657.9	12527.0	12579.7	12586.4	12733.0	12949.2	13149.2	13303.6	13495.4	13665.3	13822.0	13855.2	13998.2	14130.7	14182.2	14222.6	14201.4	14293.7	14413.0	14516.6	14503.9	0.6%

1/ Includes personal and fleet light-duty cars.
2/ Includes personal and fleet light-duty trucks.
ICE = Internal combustion engine.
CNG = Compressed natural gas.
EPACT = Energy Policy Act of 1992.
ZEVP = Zero emission vehicles from the low emission vehicle program.
N/A = Not applicable.

Sources: 1996 derived using: California Air Resources Board, "Proposed Regulations for Low-Emission Vehicles and Clean Fuels, Staff Report"; Bunch, David S., Mark Bradley, Thomas F. Golob, Ryuichi Kitamura, Gareth P. Occhiuzzo, "Demand for Clean-Fuel Personal Vehicles in California: A Discrete-Choice Stated Preference Survey," (December 1991); 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 1995, DOE/EIA-0585(95) (Washington, DC, December 1996); and EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 45. Light-Duty Vehicle Stock by Technology Type (Millions)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Light-Duty Car Stock 1/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	126.54	128.10	129.60	130.92	131.99	132.88	133.69	134.26	134.53	134.79	135.09	135.42	135.80	136.23	136.72	137.23	137.80	138.43	139.08	139.73	140.34	140.97	141.63	142.30	142.95	0.5%
Distillate (diesel) ICE	1.04	1.04	1.04	1.04	1.04	1.05	1.05	1.05	1.02	0.99	0.96	0.94	0.91	0.88	0.85	0.83	0.81	0.79	0.77	0.75	0.73	0.72	0.70	0.69	0.68	-1.8%
Total Conventional	127.58	129.14	130.65	131.97	133.04	133.93	134.74	135.31	135.56	135.78	136.06	136.36	136.71	137.11	137.58	138.06	138.61	139.22	139.84	140.48	141.08	141.69	142.33	142.99	143.62	0.5%
Alternative-Fuel Vehicles																										
Alcohol Fuel Technology																										
Methanol-Flex Fuel ICE	0.02	0.02	0.03	0.04	0.05	0.06	0.08	0.09	0.21	0.34	0.45	0.56	0.68	0.78	0.89	0.98	1.07	1.15	1.22	1.29	1.36	1.42	1.48	1.54	1.59	19.8%
Methanol-Neat ICE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.05	0.08	0.11	0.14	0.17	0.20	0.24	0.27	0.30	0.34	0.37	0.40	0.43	0.46	0.49	35.2%
Ethanol-Flex Fuel ICE	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.18	0.31	0.44	0.57	0.70	0.82	0.93	1.04	1.13	1.22	1.30	1.38	1.45	1.52	1.58	1.64	1.70	19.6%
Ethanol-Neat ICE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20	0.21	0.23	0.25	0.27	0.28	37.0%
Natural Gas Technology																										
Compressed Natural Gas ICE	0.03	0.04	0.07	0.11	0.17	0.25	0.32	0.39	0.47	0.55	0.63	0.71	0.79	0.87	0.94	1.01	1.08	1.15	1.22	1.29	1.35	1.41	1.47	1.53	1.59	18.9%
Compress. Natural Gas Bi-fuel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.06	0.08	0.11	0.14	0.17	0.20	0.22	0.25	0.28	0.30	0.32	0.35	0.37	0.39	0.41	38.9%
Liquid Petroleum Gas ICE	0.04	0.05	0.06	0.08	0.11	0.13	0.17	0.22	0.29	0.37	0.45	0.52	0.59	0.67	0.74	0.81	0.87	0.94	1.00	1.06	1.12	1.18	1.23	1.29	1.34	15.4%
Liquid Petroleum Gas Bi-fuel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.07	0.09	0.13	0.16	0.19	0.23	0.26	0.29	0.33	0.35	0.38	0.41	0.44	0.46	0.49	34.9%
Electric Technology																										
Electric Vehicle	0.00	0.00	0.01	0.03	0.04	0.07	0.10	0.29	0.50	0.72	0.94	1.15	1.37	1.58	1.79	1.98	2.16	2.34	2.50	2.66	2.81	2.96	3.10	3.24	3.37	36.9%
Electric Hybrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.11	33.8%
Turbine Technology																										
Gas Turbine 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	0.00	N/A
Gas Turbine CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Technology																										
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	0.00	77.3%
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	0.00	49.6%
Total Alternatives	0.12	0.14	0.21	0.29	0.40	0.55	0.71	1.04	1.73	2.43	3.14	3.85	4.57	5.27	5.96	6.62	7.25	7.84	8.42	8.97	9.48	9.98	10.47	10.93	11.37	21.1%
Total Car Stock	127.70	129.28	130.85	132.26	133.44	134.48	135.45	136.35	137.28	138.21	139.20	140.21	141.28	142.38	143.54	144.68	145.85	147.06	148.26	149.44	150.56	151.67	152.80	153.92	154.99	0.8%
Light-Duty Truck Stock 1/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	49.38	48.73	48.93	49.63	50.68	52.01	53.61	55.18	56.60	58.30	59.75	60.96	62.01	62.94	63.81	64.59	65.34	66.08	66.77	67.40	67.95	68.46	68.96	69.43	69.82	1.5%
Distillate (diesel) ICE	0.21	0.19	0.19	0.19	0.19	0.20	0.21	0.23	0.23	0.24	0.24	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.8%
Total Conventional	49.59	48.92	49.12	49.82	50.87	52.21	53.82	55.41	56.84	58.54	59.99	61.20	62.25	63.19	64.06	64.83	65.58	66.32	67.01	67.64	68.19	68.71	69.21	69.67	70.07	1.5%

Table 45. Light-Duty Vehicle Stock by Technology Type (Millions)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Alternative-Fuel Vehicles																											
Alcohol Fuel Technology																											
Methanol-Flex Fuel ICE . . .	0.01	0.02	0.02	0.03	0.05	0.06	0.08	0.10	0.16	0.22	0.27	0.31	0.36	0.40	0.45	0.49	0.53	0.56	0.59	0.60	0.61	0.62	0.62	0.63	0.63	0.63	17.0%
Methanol-Neat ICE	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	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	30.0%
Ethanol-Flex Fuel ICE	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.04	0.10	0.16	0.23	0.29	0.36	0.42	0.47	0.53	0.57	0.62	0.65	0.66	0.67	0.68	0.68	0.68	0.68	0.68	18.6%
Ethanol-Neat ICE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	31.5%
Natural Gas Technology																											
Compressed Natural Gas ICE	0.03	0.04	0.06	0.08	0.13	0.18	0.24	0.30	0.36	0.42	0.49	0.55	0.61	0.66	0.71	0.75	0.78	0.80	0.83	0.84	0.86	0.87	0.88	0.89	0.90	0.90	14.8%
Compress. Natural Gas Bi-fuel	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	0.09	0.10	0.11	0.11	0.11	0.11	0.12	0.12	29.1%
Liquid Petroleum Gas ICE . .	0.15	0.14	0.13	0.12	0.12	0.12	0.13	0.15	0.17	0.20	0.23	0.26	0.29	0.32	0.35	0.37	0.40	0.42	0.43	0.45	0.46	0.47	0.47	0.48	0.49	0.49	5.1%
Liquid Petroleum Gas Bi-fuel	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	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.13	0.14	0.14	0.14	0.14	28.3%
Electric Technology																											
Electric Vehicle	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.08	0.11	0.14	0.17	0.20	0.23	0.26	0.28	0.31	0.33	0.34	0.35	0.36	0.36	0.37	0.37	0.37	0.37	0.37	29.9%
Electric Hybrid	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	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	36.2%
Turbine Technology																											
Gas Turbine 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	0.00	0.00	N/A
Gas Turbine CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Fuel Cell Technology																											
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	0.00	0.00	69.6%
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	0.00	0.00	N/A
Total Alternatives	0.21	0.21	0.23	0.27	0.32	0.42	0.51	0.66	0.92	1.18	1.44	1.70	1.95	2.20	2.43	2.63	2.82	2.99	3.11	3.20	3.27	3.32	3.36	3.39	3.41	12.4%	
Total Truck Stock	49.79	49.13	49.35	50.08	51.19	52.63	54.33	56.07	57.76	59.72	61.43	62.90	64.20	65.39	66.48	67.46	68.41	69.31	70.12	70.85	71.46	72.03	72.56	73.06	73.48	1.6%	
Total Vehicle Stock	177.49	178.41	180.20	182.34	184.64	187.11	189.78	192.42	195.04	197.94	200.63	203.11	205.48	207.77	210.02	212.14	214.26	216.37	218.38	220.29	222.02	223.70	225.36	226.98	228.47	1.1%	

1/ Includes personal and fleet vehicles.
ICE = Internal combustion engine.
CNG = Compressed Natural Gas.
N/A = Not applicable.
Sources: 1996 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 1995, DOE/EIA-0585(95) (Washington, DC, December 1996); Federal Highway Administration, Highway Statistics 1995, (Washington DC, November 1996); Polk, "Light-Duty Vehicle Transportation", Transportation Energy Data Book 17, (Washington, DC: Oak Ridge National Laboratory, August 1997); and EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 46. Light-Duty Vehicle MPG by Technology Type (MPG Gasoline Equivalents)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Automobiles 1/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	27.89	27.47	27.05	27.65	27.93	28.18	28.43	28.66	28.99	29.09	29.13	29.34	29.42	29.48	29.63	29.82	29.75	29.82	29.86	29.84	29.97	29.98	30.00	30.08	30.10	0.3%
Distillate (diesel) ICE	29.90	29.43	28.97	29.64	29.93	30.21	30.48	30.81	29.48	29.57	29.60	29.81	29.88	29.95	30.12	30.32	30.23	30.28	30.30	30.25	30.35	30.33	30.32	30.38	30.39	0.1%
Alternative-Fuel Vehicles																										
Alcohol Fuel Technology																										
Methanol-Flex Fuel ICE	29.52	29.04	28.58	29.18	29.47	29.72	29.97	30.29	29.37	29.56	29.64	29.88	29.97	30.03	30.17	30.34	30.28	30.36	30.40	30.37	30.51	30.50	30.51	30.59	30.61	0.2%
Methanol-Neat ICE	29.53	29.08	28.72	29.25	29.47	29.66	29.90	30.20	30.64	30.78	30.85	31.07	31.14	31.19	31.33	31.50	31.41	31.46	31.48	31.45	31.54	31.52	31.51	31.56	31.57	0.3%
Ethanol-Flex Fuel ICE	29.27	28.81	28.36	28.96	29.24	29.49	29.74	30.05	29.16	29.35	29.43	29.66	29.75	29.81	29.96	30.12	30.06	30.13	30.17	30.16	30.28	30.27	30.28	30.35	30.37	0.2%
Ethanol-Neat Ice	28.49	27.95	27.54	28.04	28.27	28.47	28.72	29.03	29.38	29.52	29.59	29.82	29.90	29.96	30.13	30.32	30.25	30.31	30.34	30.31	30.42	30.41	30.41	30.48	30.50	0.3%
Natural Gas Technology																										
Compressed Natural Gas ICE	27.96	27.58	27.16	27.55	27.73	27.89	28.10	28.36	28.50	28.51	28.46	28.56	28.54	28.53	28.62	28.76	28.85	28.99	29.05	28.95	28.96	28.89	28.85	28.84	28.82	0.1%
Compress. Natural Gas Bi-fuel	25.94	25.59	25.22	25.60	25.77	25.92	26.13	26.36	26.50	26.51	26.48	26.59	26.58	26.68	26.82	26.91	27.05	27.08	26.98	27.00	26.93	26.89	26.89	26.88	26.88	0.1%
Liquid Petroleum Gas ICE	28.32	27.93	27.57	28.03	28.24	28.39	28.56	28.76	28.81	28.84	28.79	28.87	28.83	28.85	28.93	29.04	29.05	29.16	29.21	29.15	29.21	29.16	29.16	29.20	29.21	0.1%
Liquid Petroleum Gas Bi-fuel	26.97	26.60	26.21	26.65	26.86	27.04	27.24	27.45	26.94	26.96	26.94	27.04	27.03	27.04	27.13	27.27	27.33	27.46	27.50	27.41	27.44	27.38	27.35	27.36	27.36	0.1%
Electric Technology																										
Electric Vehicle	32.82	32.61	32.44	32.13	32.14	32.09	32.10	35.08	38.42	42.84	48.42	55.64	55.88	56.07	56.34	56.56	56.82	57.17	57.43	57.68	57.93	58.17	58.36	58.59	58.82	2.5%
Electric Hybrid	40.42	40.70	40.98	41.32	41.66	41.86	42.26	42.58	42.44	42.15	41.73	41.70	41.54	41.36	41.26	41.19	41.04	41.00	40.94	40.87	40.95	41.14	41.39	41.75	41.96	0.2%
Turbine Technology																										
Gas Turbine Gasoline	33.50	33.05	32.60	33.22	33.55	33.86	34.19	34.55	33.73	33.84	33.87	34.08	34.12	34.16	34.32	34.53	34.40	34.40	34.37	34.27	34.32	34.25	34.22	34.24	34.24	0.1%
Gas Turbine CNG	33.48	33.04	32.59	33.21	33.53	33.84	34.18	34.54	33.71	33.82	33.86	34.06	34.10	34.14	34.31	34.52	34.39	34.38	34.35	34.26	34.31	34.24	34.20	34.23	34.22	0.1%
Fuel Cell Technology																										
Fuel Cell Methanol	48.41	48.13	47.86	47.42	47.46	47.44	47.51	47.59	45.90	44.88	44.80	44.73	44.72	44.72	44.77	44.81	44.90	45.03	45.15	45.30	45.54	45.81	45.98	46.22	46.45	-0.2%
Fuel Cell Hydrogen	52.81	52.50	52.21	51.72	51.78	51.76	51.84	51.93	49.82	49.08	49.05	49.02	49.05	49.08	49.17	49.24	49.35	49.51	49.65	49.83	50.08	50.38	50.56	50.82	51.07	-0.1%
Average New Car MPG	27.91	27.48	27.07	27.68	27.95	28.22	28.46	28.87	29.31	29.51	29.64	29.95	30.03	30.09	30.25	30.43	30.37	30.44	30.48	30.46	30.60	30.61	30.62	30.71	30.73	0.4%
Light-Duty Trucks 1/																										
Conventional Vehicles																										
Gasoline ICE Vehicles	20.71	19.32	18.95	19.10	19.25	19.37	19.44	19.53	19.72	19.74	19.74	19.84	19.85	19.87	20.00	20.11	20.17	20.27	20.36	20.43	20.58	20.66	20.79	20.98	21.00	0.1%
Distillate (diesel) ICE	21.37	20.07	19.72	19.84	19.98	20.08	20.13	20.23	20.34	20.34	20.34	20.42	20.43	20.46	20.59	20.71	20.77	20.89	20.99	21.07	21.23	21.32	21.45	21.65	21.66	0.1%

Table 46. Light-Duty Vehicle MPG by Technology Type (MPG Gasoline Equivalents)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Alternative-Fuel Vehicles																										
Alcohol Fuel Technology																										
Methanol-Flex Fuel ICE . . .	20.10	19.76	19.41	19.59	19.74	19.83	19.90	20.04	19.04	19.05	19.04	19.14	19.17	19.20	19.32	19.43	19.48	19.58	19.68	19.74	19.89	19.95	20.05	20.23	20.28	0.0%
Methanol-Neat ICE	24.06	23.67	23.23	23.49	23.63	23.72	23.78	23.94	24.02	23.96	23.88	23.96	23.98	24.00	24.10	24.19	24.23	24.35	24.45	24.52	24.66	24.70	24.78	24.97	25.05	0.2%
Ethanol-Flex Fuel ICE	19.90	19.56	19.21	19.39	19.55	19.64	19.71	19.84	18.95	18.96	18.95	19.06	19.09	19.12	19.24	19.35	19.40	19.50	19.60	19.67	19.80	19.86	19.97	20.14	20.18	0.1%
Ethanol-Neat Ice	22.59	22.21	21.79	22.05	22.20	22.29	22.36	22.52	22.59	22.55	22.48	22.58	22.62	22.65	22.76	22.85	22.88	23.01	23.12	23.19	23.33	23.36	23.44	23.63	23.73	0.2%
Natural Gas Technology																										
Compressed Natural Gas ICE	20.31	19.86	19.50	19.55	19.65	19.72	19.78	19.88	19.94	19.95	19.94	20.03	20.01	20.00	20.08	20.16	20.19	20.25	20.31	20.36	20.47	20.55	20.65	20.77	20.85	0.1%
Compressed Natural Gas Bi-fuel	18.69	18.34	17.96	18.04	18.17	18.24	18.28	18.36	18.14	18.16	18.16	18.26	18.25	18.26	18.35	18.43	18.46	18.53	18.60	18.65	18.76	18.81	18.91	19.05	19.17	0.1%
Liquid Petroleum Gas ICE . . .	19.69	19.19	18.74	18.75	18.81	18.86	18.92	19.09	19.23	19.26	19.26	19.36	19.35	19.35	19.44	19.52	19.55	19.62	19.68	19.74	19.85	19.90	20.01	20.15	20.27	0.1%
Liquid Petroleum Gas Bi-fuel	19.35	18.99	18.61	18.70	18.83	18.91	18.95	19.04	18.71	18.71	18.70	18.78	18.77	18.77	18.85	18.93	18.97	19.03	19.10	19.15	19.26	19.32	19.42	19.57	19.69	0.1%
Electric Technology																										
Electric Vehicle	25.27	25.25	25.21	25.13	25.16	25.14	25.20	27.60	30.27	33.68	38.00	43.59	43.62	43.63	43.69	43.79	43.86	43.94	44.05	44.16	44.32	44.55	44.73	44.95	45.17	2.4%
Electric Hybrid	28.30	28.42	28.58	28.85	29.13	29.29	29.63	29.80	28.16	27.94	27.67	27.66	27.56	27.43	27.39	27.35	27.25	27.23	27.20	27.14	27.21	27.36	27.51	27.76	27.89	-0.1%
Turbine Technology																										
Gas Turbine Gasoline	22.44	18.97	18.58	18.67	18.88	19.09	19.32	19.60	19.52	19.66	19.80	20.04	20.18	20.33	20.61	20.88	21.06	21.31	21.54	21.77	21.94	22.03	22.17	22.36	22.36	-0.0%
Gas Turbine CNG	22.44	18.97	18.58	18.67	18.87	19.07	19.28	19.55	19.51	19.64	19.77	20.00	20.13	20.27	20.54	20.80	20.97	21.20	21.43	21.65	21.82	21.92	22.06	22.25	22.25	-0.0%
Fuel Cell Technology																										
Fuel Cell Methanol	50.53	50.36	50.15	49.89	49.89	49.78	49.79	49.83	49.33	46.92	45.99	45.06	44.21	43.48	42.85	42.34	41.90	41.58	41.35	41.15	41.34	41.55	41.70	41.91	42.12	-0.8%
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	0.00	N/A
Average New Truck MPG . . .	20.71	19.33	18.96	19.10	19.26	19.38	19.45	19.61	19.75	19.78	19.79	19.90	19.90	19.93	20.06	20.17	20.23	20.33	20.42	20.49	20.64	20.72	20.85	21.04	21.06	0.1%
Fleet Average Stock Car MPG 2/	22.26	22.34	22.47	22.56	22.62	22.67	22.73	22.81	22.91	23.03	23.13	23.24	23.35	23.46	23.57	23.71	23.85	23.98	24.08	24.20	24.32	24.42	24.52	24.62	24.71	0.4%
Fleet Average Stock Truck MPG 2/	16.31	16.30	16.25	16.16	16.05	15.94	15.85	15.77	15.73	15.69	15.67	15.67	15.67	15.68	15.69	15.74	15.79	15.84	15.88	15.94	16.01	16.07	16.14	16.22	16.29	-0.0%
Fleet Average Stock Vehicle MPG 2/	20.19	20.27	20.34	20.35	20.31	20.26	20.22	20.19	20.18	20.18	20.19	20.22	20.25	20.29	20.33	20.43	20.51	20.59	20.66	20.74	20.83	20.92	21.01	21.10	21.19	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.
CNG = Compressed natural gas.

Sources: 1996 derived using: Decision Analysis Corporation of Virginia and Energy Environmental Analysis Incorporated, NEMS Transportation Sector Model: Alternative-Fuel Vehicle Fuel Economy Module, Final Report, Subtask 12-3, prepared for Energy Information Administration (EIA), October 30, 1995; Decision Analysis Corporation of Virginia, Characteristics Update of Alternative-Fuel Light-Duty Vehicles, Final Report, Subtask 6-4, prepared for EIA (November 30, 1994); National Highway Traffic and Safety Administration, Mid-Model Year Fuel Economy Reports from Auto Manufacturers, 1997; Federal Highway Administration, Highway Statistics 1995, (November 1996); United States Department of Commerce, Bureau of the Census, Truck Inventory and Use Survey, TC92-T-52 (Washington, DC, May 1995); and EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 47. Light-Duty Vehicle VMT by Technology Type (Billion Miles, Unless Otherwise Noted)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Conventional Vehicles 1/																											
Gasoline ICE Vehicles	2255.6	2309.2	2360.5	2396.9	2424.0	2459.4	2494.0	2525.3	2555.3	2586.0	2621.2	2653.3	2687.3	2719.2	2750.2	2776.9	2804.1	2830.9	2857.7	2884.1	2907.7	2935.2	2960.1	2986.2	3012.6	1.2%	
Distillate (diesel) ICE	14.7	14.7	14.9	15.0	15.1	15.3	15.5	15.8	15.6	15.3	15.1	14.9	14.6	14.3	14.0	13.8	13.5	13.3	13.1	12.9	12.7	12.6	12.5	12.4	12.3	-0.7%	
Alternative-Fuel Vehicles																											
Alcohol Fuel Technology																											
Methanol-Flex Fuel ICE	0.6	0.7	0.9	1.3	1.9	2.7	3.5	4.2	6.8	9.3	11.5	13.6	15.6	17.6	19.6	21.4	23.1	24.7	26.1	27.3	28.4	29.4	30.3	31.2	32.1	18.5%	
Methanol-Neat ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.7	1.0	1.4	1.9	2.3	2.8	3.3	3.7	4.2	4.7	5.2	5.6	6.1	6.5	6.9	35.4%	
Ethanol-Flex Fuel ICE	0.4	0.5	0.6	0.7	0.8	1.0	1.2	1.3	3.8	6.2	8.7	11.2	13.6	16.0	18.3	20.3	22.3	24.1	25.5	26.8	28.0	29.0	30.0	30.9	31.8	19.8%	
Ethanol-Neat ICE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.3	1.6	1.8	2.1	2.4	2.7	2.9	3.2	3.4	3.7	3.9	37.3%	
Natural Gas Technology																											
Compressed Natural Gas ICE	1.2	1.7	2.8	4.6	7.2	10.5	13.8	16.8	19.7	22.3	24.5	26.5	28.4	30.2	31.9	33.5	35.0	36.3	37.7	38.9	40.0	41.1	42.2	43.2	44.2	16.1%	
Compressed Natural Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.0	1.4	1.9	2.4	2.9	3.4	3.9	4.4	4.8	5.2	5.6	6.0	6.3	6.6	7.0	35.4%	
Liquid Petroleum Gas ICE	2.9	3.0	3.3	3.7	4.4	5.4	6.6	8.3	10.4	12.7	14.8	16.6	18.1	19.6	20.9	22.2	23.4	24.6	25.8	26.8	27.8	28.7	29.6	30.5	31.3	10.4%	
Liquid Petroleum Gas Bi-fuel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.1	1.6	2.2	2.8	3.4	4.0	4.6	5.1	5.7	6.2	6.7	7.1	7.5	7.9	8.3	33.3%	
Electric Technology																											
Electric Vehicle	0.0	0.1	0.2	0.5	0.7	1.1	1.6	4.7	7.8	10.9	14.1	17.3	20.5	23.6	26.7	29.6	32.3	34.8	37.2	39.5	41.7	43.8	45.9	47.9	49.8	34.1%	
Electric Hybrid	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.7	1.8	1.9	35.0%	
Turbine Technology																											
Gas Turbine 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	0.1	0.1	0.1	0.1	N/A
Gas Turbine CNG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	N/A
Fuel Cell Technology																											
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	0.0	76.6%
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	0.0	50.4%
VMT Equation Components																											
Total VMT (billion miles)	2275.4	2329.9	2383.3	2422.7	2454.2	2495.5	2536.2	2576.4	2620.4	2665.0	2713.5	2758.4	2805.0	2849.3	2892.4	2930.4	2968.5	3005.4	3041.6	3076.7	3108.2	3143.5	3175.8	3208.9	3242.2	1.5%	
VMT/Driving Population (thousand miles)	10.7	10.8	10.9	11.0	11.0	11.1	11.2	11.2	11.3	11.4	11.5	11.6	11.7	11.7	11.8	11.9	12.0	12.0	12.1	12.2	12.2	12.3	12.3	12.4	12.5	0.7%	
Driving Population (million)	204.2	206.4	208.5	210.7	212.8	214.9	217.1	219.2	221.5	223.8	226.2	228.6	230.9	233.2	235.4	237.6	239.7	241.8	243.8	245.8	247.8	249.8	251.7	253.6	255.6	0.9%	
Price Effects																											
Motor Gasoline Price (1987 dollar per million Btu)	7.46	7.23	7.06	7.25	7.38	7.42	7.43	7.47	7.49	7.59	7.56	7.67	7.64	7.64	7.66	7.68	7.66	7.71	7.75	7.71	7.76	7.68	7.70	7.72	7.72	0.1%	
Fleet Miles per Gallon	20.29	20.35	20.43	20.43	20.37	20.32	20.24	20.19	20.16	20.14	20.15	20.18	20.22	20.26	20.31	20.40	20.48	20.56	20.64	20.72	20.82	20.90	20.99	21.09	21.18	0.2%	
Real Cost of Driving per Mile (1987 cents)	5.533	5.346	5.203	5.343	5.451	5.496	5.524	5.569	5.596	5.672	5.643	5.725	5.691	5.675	5.679	5.664	5.625	5.642	5.651	5.599	5.608	5.530	5.519	5.509	5.486	-0.0%	
Point Price Elasticity	-0.052	-0.050	-0.048	-0.049	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.049	-0.049	-0.049	-0.048	-0.047	-0.047	-0.047	-0.046	-0.046	-0.045	-0.045	-0.045	-0.044	-0.7%	

Table 47. Light-Duty Vehicle VMT by Technology Type (Billion Miles, Unless Otherwise Noted)																										
	1996	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
Income Effects																										
Disposable Income (billion 1987 dollars)	4218.9	4333.8	4467.3	4572.3	4649.5	4738.2	4827.0	4918.6	5025.0	5137.4	5252.9	5368.9	5487.0	5603.0	5720.3	5830.0	5941.9	6058.3	6174.0	6282.8	6385.9	6497.3	6604.8	6716.9	6828.4	2.0%
Point Income Elasticity	0.472	0.476	0.480	0.483	0.485	0.487	0.489	0.492	0.495	0.498	0.502	0.505	0.508	0.511	0.514	0.517	0.519	0.522	0.525	0.527	0.529	0.531	0.533	0.536	0.538	0.5%
Demographic Driving Population Effect																										
Percentage of Female Driving Population	0.793	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	0.996	1.0%
Point Demographic Elasticity	0.134	0.139	0.142	0.146	0.149	0.151	0.153	0.154	0.154	0.154	0.154	0.153	0.153	0.152	0.151	0.151	0.150	0.149	0.148	0.148	0.147	0.146	0.146	0.145	0.144	0.3%

1/ Includes personal and fleet vehicles. Includes both cars and light trucks.
VMT = Vehicle miles traveled.
ICE = Internal combustion engine.
CNG = Compressed natural gas.
Btu = British Thermal Unit.
N/A = Not applicable.

Sources: 1996 derived using: Federal Highway Administration, Highway Statistics 1995, (November 1996); Oak Ridge National Laboratory, Transportation Energy Data Book: 12, 13, 14, 15, 16 and 16, (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), AEO98 National Energy Modeling System run AEO98B.D100197A.
Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 48. Summary of New Light-Duty Vehicle Size Class Attributes																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Personal Vehicles																										
New Fuel Efficiency EPA Rated																										
Conventional Cars (MPG)																										
Minicompact	26.900	26.384	25.892	26.513	26.783	26.966	27.108	27.342	27.534	27.681	27.696	27.850	27.836	27.858	27.811	27.775	27.673	27.792	27.849	27.887	28.035	28.055	28.122	28.222	28.260	0.2%
Subcompact	31.488	30.948	30.354	31.147	31.328	31.538	31.618	31.758	32.134	32.236	32.244	32.372	32.365	32.432	32.426	32.438	32.359	32.483	32.506	32.497	32.588	32.549	32.551	32.572	32.539	0.1%
Compact	30.923	30.493	30.087	30.851	31.196	31.552	31.882	32.304	32.722	32.861	32.983	33.289	33.539	33.702	34.005	34.324	34.379	34.548	34.704	34.803	35.123	35.314	35.373	35.583	35.677	0.6%
Mid-size	26.549	26.170	25.798	26.321	26.561	26.782	27.000	27.250	27.489	27.565	27.577	27.733	27.749	27.761	27.854	27.978	27.868	27.882	27.884	27.839	27.908	27.880	27.888	27.938	27.948	0.2%
Large	24.449	24.094	23.725	24.109	24.286	24.459	24.684	24.948	25.133	25.166	25.154	25.279	25.300	25.320	25.455	25.626	25.521	25.502	25.460	25.362	25.390	25.325	25.288	25.292	25.282	0.1%
Two Seater	26.270	25.788	25.287	25.865	26.082	26.268	26.410	26.610	26.838	26.941	26.951	27.093	27.099	27.134	27.154	27.191	27.095	27.177	27.195	27.176	27.265	27.236	27.251	27.296	27.290	0.2%
Average New Car	28.514	28.064	27.623	28.267	28.550	28.811	29.062	29.293	29.707	29.822	29.870	30.103	30.206	30.286	30.463	30.661	30.612	30.703	30.765	30.760	30.925	30.952	30.974	31.076	31.110	0.4%
Average New Car On-Road MPG	24.569	24.122	23.756	24.253	24.450	24.622	24.788	24.942	25.252	25.309	25.301	25.442	25.486	25.511	25.613	25.785	25.745	25.819	25.857	25.852	25.998	26.017	26.032	26.118	26.147	0.3%
Conventional Light Trucks																										
Small Pickup	26.941	26.495	26.022	26.286	26.436	26.575	26.636	26.776	27.019	26.937	26.797	26.829	26.799	26.791	26.886	26.977	27.015	27.131	27.231	27.297	27.451	27.515	27.645	27.870	27.939	0.2%
Small Van	23.166	22.802	22.337	22.577	22.745	22.901	23.001	23.173	23.305	23.312	23.278	23.361	23.349	23.336	23.468	23.559	23.592	23.687	23.769	23.819	23.984	24.059	24.223	24.454	24.495	0.2%
Small Utility	20.658	20.360	20.038	20.287	20.448	20.549	20.633	20.791	20.888	20.857	20.805	20.871	20.894	20.905	21.025	21.124	21.166	21.276	21.359	21.409	21.554	21.623	21.744	21.948	21.987	0.3%
Large Pickup	19.681	17.668	17.293	17.299	17.395	17.466	17.467	17.493	17.596	17.607	17.616	17.701	17.670	17.694	17.805	17.915	17.983	18.075	18.171	18.252	18.408	18.488	18.608	18.772	18.752	-0.2%
Large Van	17.300	16.982	16.661	16.761	16.928	17.107	17.265	17.441	17.620	17.692	17.761	17.920	17.969	18.009	18.154	18.280	18.349	18.438	18.531	18.610	18.764	18.851	18.979	19.158	19.159	0.4%
Large Utility	17.239	13.562	13.285	13.346	13.480	13.590	13.699	13.813	13.914	13.996	14.070	14.205	14.255	14.311	14.452	14.574	14.626	14.709	14.794	14.869	14.997	15.057	15.159	15.301	15.304	-0.5%
Average New Light Truck ..	20.836	19.553	19.181	19.326	19.471	19.582	19.650	19.724	19.939	19.957	19.952	20.050	20.056	20.078	20.208	20.319	20.372	20.479	20.573	20.641	20.797	20.873	21.003	21.200	21.218	0.1%
Average New LT On-Road MPG	16.881	15.801	15.507	15.586	15.673	15.727	15.749	15.779	15.922	15.909	15.872	15.913	15.890	15.879	15.951	16.042	16.086	16.167	16.232	16.285	16.413	16.471	16.573	16.726	16.742	-0.0%
Degradation Factors 1/																										
Cars	0.862	0.860	0.860	0.858	0.856	0.855	0.853	0.851	0.850	0.849	0.847	0.845	0.844	0.842	0.841	0.841	0.841	0.841	0.840	0.840	0.841	0.841	0.840	0.840	0.840	-0.1%
Light Trucks	0.810	0.808	0.808	0.806	0.805	0.803	0.801	0.800	0.799	0.797	0.796	0.794	0.792	0.791	0.789	0.789	0.790	0.789	0.789	0.789	0.789	0.789	0.789	0.789	0.789	-0.1%
New Fuel Efficiency by Size Class 2/																										
Alternative-Fuel Cars																										
Small	32.554	32.072	31.838	32.316	32.549	32.557	32.695	34.916	35.912	38.214	40.819	43.864	44.066	44.231	44.452	44.704	44.891	45.131	45.320	45.464	45.780	45.957	46.080	46.276	46.416	1.5%
Medium	28.156	27.755	27.362	27.916	28.172	28.405	28.634	28.928	29.581	29.653	29.641	29.787	29.786	29.793	29.855	29.945	29.855	29.917	29.963	29.963	30.070	30.072	30.116	30.205	30.237	0.3%
Large	25.906	25.529	25.138	25.543	25.733	25.918	26.161	26.444	26.648	26.737	26.767	26.933	26.979	27.022	27.169	27.356	27.361	27.441	27.466	27.391	27.416	27.348	27.310	27.310	27.299	0.2%
Average New Alternative Cars	28.872	28.452	28.113	28.592	28.818	28.960	29.163	30.096	30.714	31.535	32.409	33.528	33.610	33.682	33.825	34.001	34.036	34.163	34.249	34.273	34.422	34.459	34.502	34.597	34.651	0.8%

Table 48. Summary of New Light-Duty Vehicle Size Class Attributes																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Alternative-Fuel Light Trucks																										
Small	22.638	22.272	23.997	24.058	24.140	24.586	24.646	27.474	26.113	27.184	28.335	29.714	29.701	29.701	29.784	29.929	30.058	30.152	30.304	30.399	30.598	30.660	30.823	31.041	31.179	1.3%
Medium	21.180	19.983	19.629	19.760	19.898	19.992	20.038	20.148	19.582	19.534	19.469	19.519	19.500	19.500	19.593	19.682	19.728	19.821	19.911	19.977	20.111	20.172	20.278	20.448	20.511	-0.1%
Large	16.602	16.272	15.942	16.022	16.185	16.329	16.477	16.752	16.895	17.004	17.097	17.273	17.336	17.396	17.550	17.685	17.752	17.843	17.940	18.020	18.165	18.233	18.348	18.507	18.544	0.5%
Average New Alternate Light Trucks	20.140	19.509	19.856	19.947	20.074	20.302	20.387	21.458	20.863	21.241	21.634	22.169	22.179	22.199	22.309	22.432	22.513	22.605	22.718	22.798	22.958	23.022	23.150	23.332	23.411	0.6%
Fleet Vehicles																										
New Fuel Efficiency EPA Rated																										
Cars	26.202	25.840	25.485	25.997	26.251	26.485	26.718	26.996	27.238	27.312	27.319	27.468	27.488	27.505	27.613	27.754	27.662	27.682	27.680	27.622	27.684	27.648	27.643	27.682	27.687	0.2%
Light Trucks	20.392	18.787	18.440	18.585	18.767	18.923	19.008	19.134	19.256	19.283	19.294	19.396	19.410	19.434	19.564	19.675	19.726	19.821	19.909	19.978	20.127	20.200	20.327	20.510	20.532	0.0%
Average On Road MPG																										
Cars	22.244	22.201	22.197	22.204	22.191	22.276	22.477	22.660	22.844	22.990	23.074	23.126	23.145	23.149	23.167	23.234	23.271	23.304	23.305	23.283	23.294	23.287	23.278	23.288	23.291	0.2%
Light Trucks	16.389	16.067	15.758	15.463	15.242	15.035	15.010	15.083	15.166	15.229	15.263	15.288	15.304	15.307	15.322	15.384	15.438	15.500	15.564	15.629	15.705	15.777	15.854	15.949	16.036	-0.1%
New Vehicle Sales Shares (percentage)																										
Conventional Cars																										
Minicompact	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	-0.0%
Subcompact	0.110	0.108	0.106	0.107	0.107	0.107	0.106	0.106	0.106	0.106	0.105	0.105	0.104	0.104	0.104	0.103	0.103	0.103	0.103	0.102	0.102	0.102	0.101	0.101	0.101	-0.3%
Compact	0.447	0.442	0.439	0.444	0.448	0.449	0.450	0.451	0.452	0.455	0.455	0.458	0.458	0.458	0.459	0.460	0.460	0.462	0.463	0.462	0.464	0.462	0.463	0.464	0.464	0.2%
Mid-Size	0.296	0.300	0.302	0.298	0.295	0.294	0.293	0.292	0.291	0.288	0.289	0.286	0.286	0.285	0.285	0.284	0.284	0.283	0.282	0.282	0.281	0.282	0.281	0.281	0.281	-0.2%
Large	0.134	0.136	0.139	0.138	0.137	0.137	0.137	0.138	0.137	0.138	0.137	0.138	0.137	0.138	0.139	0.139	0.139	0.140	0.139	0.139	0.140	0.140	0.141	0.141	0.141	0.2%
Two Seater	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	0.009	0.009	0.009	-0.2%
Conventional Light Trucks																										
Small Pickup	0.072	0.073	0.074	0.073	0.072	0.072	0.071	0.071	0.071	0.070	0.070	0.070	0.070	0.070	0.069	0.069	0.069	0.069	0.069	0.069	0.068	0.069	0.068	0.068	0.068	-0.2%
Small Van	0.231	0.228	0.226	0.230	0.232	0.233	0.233	0.234	0.235	0.237	0.237	0.239	0.239	0.239	0.240	0.240	0.241	0.241	0.241	0.241	0.242	0.241	0.241	0.242	0.242	0.2%
Small Utility	0.302	0.307	0.311	0.312	0.312	0.313	0.314	0.315	0.316	0.317	0.319	0.320	0.322	0.323	0.324	0.325	0.327	0.327	0.328	0.329	0.330	0.331	0.332	0.333	0.333	0.4%
Large Pickup	0.301	0.299	0.295	0.292	0.291	0.289	0.287	0.285	0.283	0.281	0.279	0.277	0.275	0.274	0.272	0.271	0.270	0.268	0.267	0.266	0.265	0.264	0.263	0.263	0.261	-0.6%
Large Van	0.033	0.033	0.032	0.032	0.032	0.032	0.031	0.031	0.031	0.031	0.031	0.030	0.030	0.030	0.030	0.030	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	0.029	-0.6%
Large Utility	0.060	0.061	0.062	0.062	0.062	0.062	0.063	0.063	0.063	0.064	0.064	0.064	0.065	0.065	0.065	0.065	0.066	0.066	0.066	0.066	0.066	0.067	0.067	0.067	0.067	0.4%

Table 48. Summary of New Light-Duty Vehicle Size Class Attributes																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
New Vehicle Average Horse Power																											
Conventional Cars																											
Minicompact	224.307	192.815	209.796	213.612	217.667	222.352	229.225	235.486	238.192	246.164	256.199	263.491	271.419	278.430	284.028	288.680	294.143	298.847	303.997	309.515	313.05	319.288	322.995	327.174	331.325	1.6%	
Subcompact	125.309	144.734	157.158	153.691	156.110	157.349	162.286	166.940	163.529	169.088	176.376	181.466	187.950	193.883	199.003	203.470	208.310	212.43	216.606	221.215	224.255	229.367	232.718	236.186	239.636	2.7%	
Compact	154.284	142.633	154.734	152.936	155.443	157.431	162.568	167.514	166.186	171.580	178.669	183.680	190.208	195.900	200.999	205.582	210.128	213.744	217.538	221.663	224.37	228.873	232.008	235.150	238.179	1.8%	
Mid-Size	183.060	172.888	187.409	187.248	190.131	192.854	198.692	204.075	203.754	210.119	218.389	224.224	231.882	238.704	244.848	250.337	255.536	259.820	264.295	269.123	271.84	276.52	279.864	283.057	286.290	1.9%	
Large	215.382	231.099	250.850	253.190	257.231	261.731	270.472	278.946	280.337	288.902	300.362	308.433	319.324	328.824	337.565	345.612	352.691	358.372	364.029	369.83	373.073	378.806	383.317	387.298	391.440	2.5%	
Two Seater	188.394	222.131	242.352	245.101	249.585	254.468	263.195	271.506	273.256	282.448	294.418	302.986	313.709	323.227	331.641	339.027	345.948	351.585	357.398	363.757	367.602	374.344	378.988	383.604	388.260	3.1%	
Average New Car	168.407	164.953	179.267	178.153	180.815	183.280	189.147	194.670	193.828	199.871	208.080	213.621	221.205	227.855	233.782	239.12	244.333	248.423	252.680	257.422	260.175	265.176	268.587	271.892	275.214	2.1%	
Conventional Light Trucks																											
Small Pickup	146.577	149.022	161.516	162.696	164.933	166.181	171.229	176.078	172.669	178.280	185.761	190.994	198.331	204.784	210.995	216.245	222.024	226.844	231.471	236.525	239.463	244.152	247.583	251.088	254.348	2.3%	
Small Van	200.792	187.006	202.290	208.018	210.762	213.096	219.182	225.026	222.850	229.562	238.476	244.808	253.684	261.798	269.748	276.31	282.957	287.98	292.971	298.586	302.033	307.853	312.153	316.236	319.672	2.0%	
Small Utility	175.655	178.052	192.303	192.818	195.289	197.851	203.409	208.742	208.037	214.253	222.506	228.309	236.293	243.810	251.091	257.159	263.912	269.988	275.714	281.610	285.183	290.913	295.293	299.483	302.992	2.3%	
Large Pickup	215.123	206.550	223.230	229.253	231.963	234.467	241.012	247.029	244.566	251.465	260.668	267.001	275.912	284.467	292.748	299.665	307.056	312.522	317.958	324.040	327.763	334.004	338.538	342.719	346.098	2.0%	
Large Van	190.185	188.612	203.838	206.765	209.613	212.657	218.762	224.555	224.369	230.841	239.459	245.398	253.679	261.304	268.406	274.347	281.094	286.985	292.050	297.478	300.895	306.407	310.668	314.889	318.460	2.2%	
Large Utility	200.743	202.510	218.698	224.739	227.704	231.275	237.924	244.000	244.263	251.157	260.086	266.192	274.649	282.772	290.516	297.004	303.287	308.307	313.302	318.963	322.407	328.085	332.40	336.356	339.442	2.2%	
Average New Light Truck	188.337	184.268	199.201	202.564	205.249	207.860	213.805	219.462	218.321	224.784	233.363	239.356	247.700	255.417	262.811	268.970	275.615	281.176	286.360	291.961	295.405	301.028	305.286	309.398	312.868	2.1%	

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

2/ Environmental Protection Agency rated miles per gallon.

Sources: 1996 derived using: Decision Analysis Corporation of Virginia and Energy Environmental Analysis Incorporated, NEMS Transportation Sector Model: Alternative-Fuel Vehicle Fuel Economy Module, Final Report, Subtask 12-3, prepared for EIA, October 30, 1995; National Highway Traffic and Safety Administration, Mid-Year Fuel Economy Reports from Auto Manufacturers, 1997; Federal Highway Administration, Highway Statistics 1995, (November 1996); 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, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 49. New Light-Duty Vehicle Fuel Economy (Miles per Gallon)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Gasoline																											
Small Cars	30.90	30.45	30.01	30.77	31.08	31.41	31.68	32.05	32.45	32.58	32.68	32.95	33.15	33.29	33.52	33.77	33.80	33.96	34.09	34.16	34.43	34.57	34.62	34.79	34.86	34.86	0.5%
Medium Cars	26.55	26.17	25.80	26.32	26.56	26.78	27.00	27.25	27.49	27.56	27.58	27.73	27.75	27.76	27.85	27.98	27.87	27.88	27.88	27.84	27.91	27.88	27.89	27.94	27.95	27.95	0.2%
Large Cars	24.45	24.09	23.73	24.11	24.29	24.46	24.68	24.95	25.13	25.17	25.15	25.28	25.30	25.32	25.45	25.63	25.52	25.50	25.46	25.36	25.39	25.32	25.29	25.29	25.28	25.28	0.1%
Small Light Trucks	23.96	23.60	23.14	23.37	23.52	23.67	23.76	23.92	24.07	24.05	24.00	24.06	24.05	24.03	24.16	24.25	24.28	24.37	24.46	24.51	24.67	24.75	24.90	25.13	25.18	25.18	0.2%
Medium Light Trucks	20.16	18.94	18.60	18.72	18.85	18.94	18.99	19.08	19.19	19.19	19.18	19.27	19.27	19.30	19.42	19.53	19.60	19.70	19.80	19.87	20.03	20.11	20.24	20.42	20.44	20.44	0.1%
Large Light Trucks	17.26	14.58	14.28	14.34	14.48	14.60	14.71	14.84	14.95	15.02	15.08	15.22	15.26	15.30	15.44	15.56	15.61	15.69	15.77	15.84	15.97	16.03	16.14	16.28	16.28	16.28	-0.2%
Diesel																											
Small Cars	32.76	32.28	31.81	32.62	32.95	33.29	33.59	33.97	34.40	34.54	34.64	34.93	35.13	35.28	35.53	35.80	35.83	36.00	36.13	36.21	36.50	36.64	36.70	36.88	36.95	36.95	0.5%
Medium Cars	28.14	27.74	27.35	27.90	28.15	28.39	28.62	28.89	29.14	29.22	29.23	29.40	29.41	29.43	29.52	29.66	29.54	29.56	29.56	29.51	29.58	29.55	29.56	29.61	29.63	29.63	0.2%
Large Cars	25.92	25.54	25.15	25.56	25.74	25.93	26.17	26.44	26.64	26.68	26.66	26.80	26.82	26.84	26.98	27.16	27.05	27.03	26.99	26.88	26.91	26.84	26.81	26.81	26.80	26.80	0.1%
Small Light Trucks	25.40	25.02	24.53	24.77	24.93	25.09	25.19	25.36	25.52	25.50	25.44	25.51	25.49	25.48	25.61	25.70	25.74	25.84	25.92	25.98	26.15	26.23	26.40	26.64	26.69	26.69	0.2%
Medium Light Trucks	21.37	20.07	19.72	19.84	19.98	20.08	20.13	20.23	20.34	20.34	20.34	20.42	20.43	20.46	20.59	20.71	20.77	20.89	20.99	21.07	21.23	21.32	21.45	21.65	21.66	21.66	0.1%
Large Light Trucks	18.30	15.46	15.13	15.20	15.34	15.47	15.59	15.73	15.84	15.92	15.99	16.13	16.17	16.22	16.37	16.49	16.54	16.63	16.72	16.79	16.93	17.00	17.11	17.26	17.26	17.26	-0.2%
Methanol Neat																											
Small Cars	32.92	32.38	31.85	32.55	32.83	33.08	33.29	33.60	33.91	34.05	34.12	34.37	34.51	34.60	34.75	34.92	34.92	35.08	35.17	35.22	35.43	35.50	35.54	35.67	35.71	35.71	0.3%
Medium Cars	30.02	29.59	29.18	29.78	30.06	30.29	30.50	30.78	30.99	31.08	31.08	31.24	31.24	31.23	31.28	31.36	31.24	31.27	31.28	31.27	31.38	31.37	31.40	31.48	31.51	31.51	0.2%
Large Cars	28.07	27.69	27.30	27.73	27.93	28.13	28.39	28.72	28.94	28.98	28.97	29.12	29.15	29.18	29.34	29.54	29.43	29.42	29.39	29.30	29.33	29.27	29.24	29.24	29.22	29.22	0.2%
Small Light Trucks	24.06	23.67	23.23	23.49	23.63	23.72	23.78	23.94	24.02	23.96	23.88	23.96	23.98	24.00	24.10	24.19	24.23	24.35	24.45	24.52	24.66	24.70	24.78	24.97	25.05	25.05	0.2%
Methanol Flex																											
Small Cars	31.14	30.63	30.14	30.79	31.07	31.31	31.52	31.83	32.13	32.26	32.34	32.59	32.73	32.82	32.98	33.15	33.15	33.31	33.41	33.47	33.68	33.76	33.80	33.93	33.98	33.98	0.4%
Medium Cars	28.39	28.00	27.62	28.17	28.44	28.65	28.87	29.13	29.33	29.42	29.43	29.59	29.60	29.60	29.65	29.72	29.60	29.64	29.67	29.65	29.75	29.75	29.79	29.87	29.90	29.90	0.2%
Large Cars	25.85	25.46	25.05	25.41	25.60	25.76	25.99	26.26	26.42	26.45	26.42	26.55	26.56	26.57	26.71	26.89	26.77	26.74	26.69	26.58	26.60	26.53	26.48	26.48	26.46	26.46	0.1%
Small Light Trucks	22.75	22.38	21.97	22.22	22.36	22.45	22.52	22.67	22.75	22.70	22.62	22.69	22.73	22.75	22.85	22.94	22.97	23.09	23.20	23.27	23.39	23.43	23.52	23.70	23.79	23.79	0.2%
Medium Light Trucks	19.57	19.25	18.92	19.08	19.23	19.31	19.36	19.47	19.55	19.54	19.50	19.59	19.61	19.64	19.74	19.83	19.87	19.98	20.08	20.14	20.26	20.32	20.41	20.59	20.63	20.63	0.2%
Large Light Trucks	16.66	16.33	16.00	16.07	16.22	16.35	16.48	16.62	16.73	16.82	16.89	17.04	17.09	17.14	17.29	17.42	17.48	17.57	17.66	17.74	17.88	17.96	18.07	18.24	18.23	18.23	0.4%
Ethanol Neat																											
Small Cars	31.00	30.53	30.09	30.77	31.09	31.37	31.64	32.00	32.33	32.51	32.64	32.95	33.16	33.30	33.52	33.76	33.81	34.01	34.16	34.26	34.54	34.67	34.75	34.93	35.02	35.02	0.5%
Medium Cars	28.94	28.54	28.15	28.71	28.99	29.21	29.42	29.69	29.90	29.98	29.99	30.15	30.16	30.15	30.20	30.28	30.16	30.19	30.22	30.20	30.31	30.30	30.34	30.42	30.44	30.44	0.2%
Large Cars	27.05	26.69	26.31	26.74	26.93	27.12	27.38	27.69	27.90	27.94	27.94	28.09	28.12	28.16	28.32	28.52	28.42	28.41	28.38	28.28	28.32	28.26	28.22	28.22	28.22	28.22	0.2%
Small Light Trucks	22.59	22.21	21.79	22.05	22.20	22.29	22.36	22.52	22.59	22.55	22.48	22.58	22.62	22.65	22.76	22.85	22.88	23.01	23.12	23.19	23.33	23.36	23.44	23.63	23.72	23.72	0.2%

Table 49. New Light-Duty Vehicle Fuel Economy (Miles per Gallon)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Ethanol Flex																											
Small Cars	30.84	30.34	29.86	30.50	30.77	31.02	31.23	31.53	31.83	31.97	32.05	32.29	32.44	32.53	32.69	32.86	32.86	33.01	33.12	33.18	33.39	33.47	33.51	33.64	33.69	33.69	0.4%
Medium Cars	28.13	27.74	27.35	27.90	28.17	28.38	28.60	28.86	29.06	29.15	29.16	29.31	29.33	29.33	29.38	29.45	29.33	29.37	29.40	29.38	29.49	29.48	29.52	29.60	29.63	29.63	0.2%
Large Cars	25.60	25.21	24.81	25.17	25.36	25.52	25.75	26.01	26.17	26.20	26.18	26.30	26.31	26.33	26.47	26.64	26.53	26.50	26.45	26.34	26.36	26.29	26.24	26.24	26.22	26.22	0.1%
Small Light Trucks	22.53	22.16	21.76	22.01	22.15	22.24	22.31	22.45	22.54	22.49	22.41	22.49	22.52	22.54	22.64	22.73	22.77	22.88	22.99	23.06	23.18	23.22	23.31	23.49	23.59	23.59	0.2%
Medium Light Trucks	19.38	19.06	18.74	18.90	19.05	19.12	19.18	19.29	19.36	19.35	19.32	19.40	19.43	19.45	19.55	19.65	19.69	19.80	19.89	19.96	20.08	20.13	20.23	20.41	20.47	20.47	0.2%
Large Light Trucks	16.50	16.17	15.84	15.91	16.07	16.20	16.33	16.46	16.58	16.66	16.73	16.88	16.93	16.98	17.13	17.26	17.32	17.41	17.50	17.58	17.72	17.79	17.91	18.07	18.07	18.07	0.4%
Compressed Natural Gas (CNG)																											
Large Cars	27.96	27.58	27.16	27.55	27.73	27.89	28.10	28.36	28.50	28.51	28.46	28.56	28.54	28.53	28.62	28.76	28.85	28.99	29.05	28.95	28.96	28.89	28.85	28.84	28.82	28.82	0.1%
Small Light Trucks	26.06	25.61	25.15	25.39	25.52	25.60	25.65	25.78	25.87	25.78	25.64	25.65	25.59	25.54	25.57	25.60	25.59	25.65	25.70	25.72	25.80	25.88	26.03	26.24	26.39	26.39	0.1%
Medium Light Trucks	19.22	18.83	18.42	18.41	18.51	18.56	18.55	18.56	18.59	18.60	18.59	18.66	18.61	18.60	18.68	18.75	18.80	18.86	18.92	18.98	19.09	19.14	19.23	19.35	19.45	19.45	0.0%
Large Light Trucks	18.59	18.24	17.88	17.98	18.14	18.29	18.44	18.62	18.73	18.80	18.85	18.99	19.03	19.04	19.15	19.25	19.30	19.35	19.41	19.46	19.58	19.63	19.73	19.86	19.99	19.99	0.3%
CNG Bi-Fuel																											
Large Cars	25.94	25.59	25.22	25.60	25.77	25.92	26.13	26.36	26.50	26.51	26.48	26.59	26.58	26.58	26.68	26.82	26.91	27.05	27.08	26.98	27.00	26.93	26.89	26.89	26.88	26.88	0.1%
Small Light Trucks	21.68	21.31	20.90	21.13	21.28	21.36	21.42	21.57	21.61	21.58	21.51	21.58	21.60	21.60	21.66	21.72	21.73	21.82	21.90	21.94	22.02	22.10	22.23	22.43	22.59	22.59	0.2%
Medium Light Trucks	17.85	17.49	17.11	17.11	17.20	17.25	17.24	17.26	17.31	17.32	17.31	17.38	17.34	17.34	17.42	17.50	17.54	17.60	17.67	17.73	17.84	17.88	17.97	18.09	18.19	18.19	0.1%
Large Light Trucks	17.26	16.94	16.61	16.70	16.86	17.02	17.17	17.33	17.45	17.52	17.58	17.72	17.75	17.77	17.89	17.98	18.02	18.08	18.15	18.20	18.32	18.37	18.46	18.60	18.72	18.72	0.3%
Liquefied Petroleum Gas (LPG)																											
Medium Cars	28.81	28.40	28.00	28.48	28.72	28.89	29.06	29.24	29.37	29.42	29.38	29.49	29.45	29.50	29.59	29.72	29.68	29.79	29.86	29.83	29.92	29.90	29.93	30.00	30.02	30.02	0.2%
Large Cars	26.96	26.59	26.20	26.59	26.77	26.92	27.13	27.39	27.53	27.54	27.50	27.61	27.59	27.59	27.69	27.83	27.91	28.06	28.11	28.00	28.02	27.95	27.91	27.90	27.89	27.89	0.1%
Small Light Trucks	23.09	22.70	22.28	22.50	22.65	22.72	22.78	22.93	22.97	22.92	22.83	22.89	22.89	22.88	22.94	23.00	23.00	23.08	23.15	23.19	23.28	23.36	23.49	23.70	23.85	23.85	0.1%
Medium Light Trucks	18.52	18.14	17.75	17.74	17.84	17.88	17.89	17.89	17.93	17.93	17.92	18.00	17.95	17.95	18.03	18.11	18.15	18.21	18.28	18.33	18.45	18.50	18.58	18.70	18.80	18.80	0.1%
Large Light Trucks	17.91	17.57	17.23	17.32	17.48	17.63	17.78	17.95	18.07	18.13	18.18	18.33	18.37	18.38	18.49	18.59	18.63	18.69	18.75	18.81	18.92	18.98	19.07	19.21	19.33	19.33	0.3%
LPG Bi-Fuel																											
Medium Cars	27.77	27.39	27.00	27.47	27.71	27.88	28.04	28.23	28.37	28.42	28.39	28.50	28.47	28.53	28.62	28.73	28.71	28.82	28.89	28.86	28.95	28.94	28.97	29.04	29.07	29.07	0.2%
Large Cars	25.96	25.61	25.24	25.63	25.80	25.96	26.18	26.41	26.56	26.57	26.55	26.65	26.65	26.65	26.75	26.90	26.99	27.13	27.16	27.06	27.08	27.01	26.97	26.97	26.97	26.97	0.2%
Small Light Trucks	22.24	21.88	21.48	21.70	21.84	21.92	21.99	22.13	22.19	22.14	22.06	22.12	22.13	22.12	22.18	22.24	22.25	22.33	22.40	22.44	22.52	22.61	22.74	22.95	23.11	23.11	0.2%
Medium Light Trucks	17.85	17.49	17.12	17.12	17.21	17.26	17.25	17.27	17.32	17.33	17.33	17.40	17.36	17.36	17.44	17.53	17.57	17.63	17.70	17.76	17.88	17.92	18.01	18.13	18.23	18.23	0.1%
Large Light Trucks	17.26	16.94	16.61	16.71	16.87	17.02	17.17	17.34	17.47	17.53	17.59	17.74	17.77	17.79	17.91	18.01	18.05	18.11	18.18	18.23	18.35	18.40	18.50	18.63	18.76	18.76	0.3%
Electric																											
Small Cars	32.82	32.61	32.44	32.13	32.14	32.09	32.10	35.08	38.42	42.84	48.42	55.64	55.88	56.07	56.34	56.56	56.82	57.17	57.43	57.68	57.93	58.17	58.36	58.59	58.82	58.82	2.5%
Small Light Trucks	25.27	25.25	25.21	25.13	25.16	25.14	25.20	27.60	30.27	33.68	38.00	43.59	43.62	43.63	43.69	43.79	43.86	43.94	44.05	44.16	44.32	44.55	44.73	44.95	45.17	45.17	2.4%

Table 49. New Light-Duty Vehicle Fuel Economy (Miles per Gallon)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Electric/Hybrid																										
Small Cars	41.15	41.48	41.81	42.18	42.55	42.78	43.22	43.76	43.44	43.12	42.69	42.65	42.49	42.31	42.21	42.15	41.99	41.94	41.88	41.80	41.88	42.08	42.32	42.69	42.90	0.2%
Medium Cars	39.28	39.52	39.75	40.04	40.31	40.43	40.75	41.13	40.75	40.42	39.97	39.90	39.71	39.51	39.39	39.30	39.15	39.10	39.04	38.97	39.05	39.24	39.47	39.82	40.02	0.1%
Small Light Trucks	29.98	30.13	30.30	30.53	30.79	30.94	31.25	31.68	31.42	31.18	30.88	30.88	30.80	30.69	30.64	30.60	30.50	30.49	30.49	30.43	30.51	30.67	30.85	31.13	31.29	0.2%
Medium Light Trucks	27.80	27.96	28.16	28.46	28.72	28.88	29.24	29.68	29.44	29.22	28.94	28.92	28.84	28.70	28.65	28.61	28.50	28.49	28.46	28.40	28.46	28.62	28.78	29.04	29.18	0.2%
Large Light Trucks	23.17	23.29	23.42	23.68	23.93	24.12	24.45	24.85	24.66	24.51	24.30	24.31	24.23	24.13	24.13	24.11	24.04	24.02	23.99	23.94	24.01	24.13	24.26	24.49	24.62	0.3%
Fuel Cell Methanol																										
Medium Cars	49.16	48.87	48.60	48.14	48.17	48.14	48.18	48.26	48.02	48.05	48.11	48.17	48.31	48.43	48.58	48.74	48.93	49.17	49.35	49.53	49.77	50.03	50.25	50.51	50.75	0.1%
Large Cars	44.10	43.83	43.54	43.14	43.14	43.10	43.07	43.02	42.79	42.84	42.89	42.94	43.01	43.10	43.22	43.31	43.45	43.62	43.78	43.99	44.23	44.53	44.69	44.95	45.18	0.1%
Small Light Trucks	50.57	50.40	50.19	49.94	49.93	49.83	49.84	49.88	49.56	49.51	49.46	49.45	49.42	49.43	49.42	49.46	49.48	49.57	49.68	49.77	49.95	50.19	50.37	50.60	50.82	0.0%
Large Light Trucks	35.97	35.83	35.73	35.67	35.76	35.75	35.81	35.89	35.78	35.84	35.94	36.04	36.15	36.14	36.12	36.14	36.15	36.26	36.37	36.46	36.61	36.76	36.88	37.09	37.30	0.2%
Fuel Cell Hydrogen																										
Medium Cars	53.90	53.59	53.29	52.78	52.82	52.78	52.83	52.92	52.65	52.68	52.76	52.82	52.98	53.10	53.27	53.44	53.65	53.91	54.11	54.31	54.58	54.86	55.10	55.38	55.65	0.1%
Large Cars	48.36	48.06	47.74	47.30	47.31	47.25	47.22	47.17	46.92	46.97	47.03	47.09	47.16	47.25	47.39	47.49	47.64	47.83	48.00	48.23	48.50	48.83	49.00	49.28	49.54	0.1%

Small Car = Minicompact, subcompact, compact, and two-seater.
Medium Car = Mid-Size.
Large Car = Large.
Small Light Truck = Small pickup and small van.
Medium Light Truck = Large pickup and small utility.
Large Light Truck = Large van and large utility.

Sources: 1996 derived using: Decision Analysis Corporation of Virginia (DAC) and Energy Environmental Analysis Incorporated, NEMS Transportation Sector Model: Alternative-Fuel Economy Model Final Report, Subtask 12-3, prepared for the Energy Information Administration (October 30, 1995); DAC, Characteristics Update of Alternative-Fuel Light Duty Vehicles, Final Report, Subtask 6-4, prepared for EIA (November 30, 1994); and EIA, National Energy Modeling System run AEO98B.D100197A. Projection: EIA, National Energy Modeling System run AEO98B.D100197A.

Table 50. New Light-Duty Vehicle Prices (Thousand 1996 Dollars)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Gasoline																										
Small Cars	15.6	15.8	16.0	16.3	16.4	16.6	16.7	16.8	17.1	17.2	17.4	17.5	17.7	17.8	17.9	18.0	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	0.8%
Medium Cars	19.1	19.3	19.5	19.8	19.8	20.0	20.1	20.3	20.6	20.7	20.8	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	0.7%
Large Cars	26.8	27.1	27.4	27.6	27.7	27.9	28.1	28.3	28.7	28.8	29.0	29.2	29.4	29.5	29.7	29.9	30.0	30.1	30.3	30.4	30.5	30.7	30.8	30.9	31.0	0.6%
Small Light Trucks	16.8	16.9	17.1	17.3	17.4	17.6	17.7	17.8	18.1	18.2	18.3	18.4	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	0.7%
Medium Light Trucks	18.4	18.6	18.8	18.9	19.0	19.2	19.3	19.4	19.7	19.8	19.9	20.0	20.2	20.3	20.4	20.5	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	0.7%
Large Light Trucks	19.8	20.0	20.2	20.3	20.4	20.5	20.7	20.8	21.1	21.3	21.5	21.6	21.7	21.9	22.0	22.2	22.3	22.4	22.5	22.6	22.7	22.9	23.0	23.1	23.2	0.7%
Diesel																										
Small Cars	17.3	17.5	17.7	18.0	18.0	18.2	18.3	18.4	18.7	18.8	18.9	19.0	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.8	19.9	20.1	20.2	20.3	20.4	0.7%
Medium Cars	20.3	20.5	20.7	21.0	21.0	21.2	21.3	21.4	21.7	21.8	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.7	22.8	22.9	23.0	23.1	23.2	23.3	0.6%
Large Cars	28.0	28.2	28.5	28.8	28.9	29.1	29.2	29.4	29.7	29.9	30.1	30.2	30.4	30.5	30.7	30.8	31.0	31.1	31.2	31.3	31.4	31.6	31.7	31.8	32.0	0.6%
Small Light Trucks	18.6	18.7	18.8	19.1	19.2	19.3	19.4	19.5	19.8	19.9	20.0	20.1	20.2	20.3	20.4	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	0.6%
Medium Light Trucks	19.6	19.8	20.0	20.1	20.1	20.3	20.4	20.5	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.4	22.4	0.6%
Large Light Trucks	20.7	20.8	21.0	21.1	21.2	21.4	21.5	21.6	22.0	22.1	22.2	22.4	22.5	22.6	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.6	23.7	23.8	23.9	0.6%
Methanol Neat																										
Small Cars	15.6	15.7	15.9	16.2	16.3	16.5	16.6	16.7	16.9	17.0	17.1	17.2	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.1	18.2	18.3	18.4	18.5	0.7%
Medium Cars	19.5	19.6	19.8	20.1	20.2	20.4	20.5	20.6	20.9	21.0	21.1	21.2	21.3	21.5	21.6	21.7	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.4	22.4	0.6%
Large Cars	21.0	21.1	21.3	21.6	21.7	21.9	22.0	22.1	22.4	22.4	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.4	23.5	23.6	23.7	23.8	23.9	0.5%
Small Light Trucks	18.5	18.7	18.8	19.1	19.2	19.3	19.4	19.6	19.9	20.0	20.1	20.2	20.3	20.4	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	0.6%
Methanol Flex																										
Small Cars	15.6	15.8	16.0	16.3	16.4	16.5	16.6	16.8	16.6	16.7	16.8	16.9	17.1	17.2	17.3	17.4	17.6	17.7	17.8	17.9	17.9	18.1	18.1	18.2	18.3	0.7%
Medium Cars	19.6	19.8	20.0	20.3	20.3	20.5	20.6	20.7	20.7	20.8	21.0	21.1	21.2	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.3	22.4	0.6%
Large Cars	25.3	25.5	25.8	26.1	26.1	26.3	26.5	26.6	26.4	26.5	26.8	26.9	27.1	27.3	27.5	27.6	27.8	27.9	28.0	28.1	28.2	28.4	28.5	28.6	28.7	0.5%
Small Light Trucks	18.7	18.8	19.0	19.2	19.3	19.5	19.6	19.7	19.9	20.0	20.2	20.3	20.4	20.5	20.6	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	0.6%
Medium Light Trucks	20.7	20.9	21.1	21.2	21.3	21.5	21.6	21.7	21.8	21.9	22.1	22.2	22.4	22.5	22.6	22.7	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	0.6%
Large Light Trucks	21.8	22.0	22.2	22.3	22.4	22.6	22.7	22.9	23.1	23.2	23.4	23.5	23.7	23.8	24.0	24.1	24.2	24.4	24.5	24.6	24.7	24.8	24.9	25.1	25.2	0.6%
Ethanol Neat																										
Small Cars	16.5	16.7	16.9	17.2	17.2	17.4	17.5	17.6	17.9	18.0	18.1	18.2	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	0.7%
Medium Cars	19.5	19.6	19.8	20.1	20.2	20.4	20.5	20.6	20.9	21.0	21.1	21.2	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.0	22.1	22.2	22.3	22.4	22.5	0.6%
Large Cars	21.0	21.1	21.3	21.6	21.7	21.9	22.0	22.1	22.4	22.5	22.6	22.7	22.8	22.9	23.1	23.2	23.3	23.3	23.4	23.5	23.6	23.7	23.8	23.8	23.9	0.6%
Small Light Trucks	20.4	20.5	20.7	21.0	21.0	21.2	21.3	21.4	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.5	22.6	22.7	22.7	22.8	22.9	23.0	23.1	23.2	23.3	0.6%

Table 50. New Light-Duty Vehicle Prices (Thousand 1996 Dollars)																								1996-2020		
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Ethanol Flex																										
Small Cars	15.6	15.8	16.0	16.3	16.4	16.5	16.6	16.8	16.5	16.6	16.8	16.9	17.0	17.2	17.3	17.4	17.5	17.6	17.7	17.9	17.9	18.1	18.1	18.2	18.3	0.7%
Medium Cars	19.6	19.8	20.0	20.3	20.3	20.5	20.6	20.7	20.7	20.8	21.0	21.1	21.2	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.3	22.4	0.6%
Large Cars	25.3	25.5	25.8	26.1	26.1	26.3	26.5	26.6	26.4	26.5	26.7	26.9	27.1	27.3	27.5	27.6	27.8	27.9	28.0	28.1	28.2	28.4	28.5	28.6	28.7	0.5%
Small Light Trucks	18.7	18.8	19.0	19.2	19.3	19.5	19.6	19.7	19.9	20.0	20.1	20.3	20.4	20.5	20.6	20.7	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	0.6%
Medium Light Trucks	20.7	20.9	21.1	21.2	21.3	21.5	21.6	21.7	21.8	21.9	22.1	22.2	22.3	22.4	22.6	22.7	22.8	22.9	23.1	23.2	23.3	23.4	23.5	23.6	23.7	0.6%
Large Light Trucks	21.8	22.0	22.2	22.3	22.4	22.6	22.7	22.9	23.1	23.2	23.4	23.5	23.7	23.8	24.0	24.1	24.2	24.4	24.5	24.6	24.7	24.8	25.0	25.1	25.2	0.6%
Compressed Natural Gas (CNG)																										
Large Cars	24.4	24.6	24.8	25.1	25.1	25.3	25.4	25.5	25.2	25.1	25.1	25.1	25.1	25.2	25.2	25.3	25.3	25.4	25.4	25.5	25.5	25.6	25.7	25.7	25.8	0.2%
Small Light Trucks	17.8	18.0	18.2	18.4	18.4	18.6	18.7	18.8	19.0	19.1	19.2	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0	20.0	20.1	20.2	20.3	20.4	0.6%
Medium Light Trucks	21.7	21.8	22.0	22.1	22.1	22.3	22.4	22.5	22.6	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.4	23.5	23.6	23.7	23.8	23.9	24.0	0.4%
Large Light Trucks	22.0	22.1	22.3	22.4	22.5	22.7	22.8	22.9	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.2	24.4	24.5	24.6	24.7	0.5%
CNG Bi-Fuel																										
Large Cars	23.6	23.8	24.0	24.3	24.4	24.5	24.7	24.8	24.4	24.3	24.4	24.4	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.3	25.4	25.5	0.3%
Small Light Trucks	23.0	23.2	23.4	23.7	23.7	23.9	24.0	24.1	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	0.5%
Medium Light Trucks	20.3	20.4	20.6	20.7	20.7	20.9	21.0	21.1	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.5	22.5	22.7	22.7	22.8	22.9	0.5%
Large Light Trucks	20.6	20.7	20.9	21.0	21.1	21.2	21.4	21.5	21.7	21.8	22.0	22.1	22.2	22.3	22.4	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	0.5%
Liquefied Petroleum Gas (LPG)																										
Medium Cars	22.4	22.5	22.7	23.0	23.1	23.3	23.4	23.5	23.6	23.7	23.7	23.8	23.9	23.9	24.0	24.1	24.2	24.2	24.3	24.4	24.5	24.6	24.7	24.7	24.8	0.4%
Large Cars	23.8	24.0	24.2	24.5	24.6	24.8	24.9	25.0	24.7	24.6	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.8	24.8	24.9	25.0	25.0	25.1	25.2	0.2%
Small Light Trucks	21.5	21.6	21.8	22.1	22.2	22.3	22.4	22.5	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	23.9	24.1	24.1	24.3	24.4	0.5%
Medium Light Trucks	21.8	21.9	22.1	22.2	22.2	22.4	22.5	22.6	22.7	22.7	22.8	22.9	22.9	23.0	23.1	23.2	23.3	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0	0.4%
Large Light Trucks	22.1	22.2	22.4	22.5	22.6	22.8	22.9	23.0	23.2	23.3	23.4	23.5	23.6	23.6	23.8	23.8	23.9	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	0.5%
LPG Bi-Fuel																										
Medium Cars	21.5	21.7	21.9	22.2	22.3	22.4	22.5	22.6	22.6	22.7	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.8	23.9	24.0	0.5%
Large Cars	23.0	23.2	23.4	23.7	23.7	23.9	24.0	24.1	23.6	23.5	23.5	23.6	23.6	23.7	23.7	23.8	23.9	24.0	24.1	24.2	24.3	24.4	24.4	24.5	24.6	0.3%
Small Light Trucks	20.6	20.8	20.9	21.2	21.3	21.5	21.5	21.7	21.9	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	0.5%
Medium Light Trucks	20.2	20.3	20.5	20.6	20.6	20.8	20.9	21.0	21.0	21.1	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.4	22.5	0.5%
Large Light Trucks	20.5	20.6	20.8	20.9	21.0	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.3	22.4	22.5	22.6	22.7	22.8	22.9	23.0	23.1	23.2	0.5%
Electric																										
Small Cars	36.8	36.7	32.2	32.5	32.3	29.2	29.0	26.8	27.5	27.9	28.2	28.6	28.3	28.1	27.9	27.7	27.5	27.3	27.1	26.9	26.9	26.9	26.9	27.0	27.0	-1.3%
Small Light Trucks	41.7	41.4	40.2	40.2	40.0	38.8	38.5	32.6	35.0	35.6	36.1	36.6	36.2	35.9	35.6	35.3	35.0	34.8	34.5	34.3	34.3	34.3	34.3	34.3	34.4	-0.8%

Table 50. New Light-Duty Vehicle Prices (Thousand 1996 Dollars)		1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Electric/Hybrid																												
Small Cars	43.5	43.6	43.6	43.9	43.9	44.0	44.1	29.1	26.6	26.5	26.5	26.4	26.5	26.5	26.5	26.5	26.5	26.6	26.5	26.6	26.6	26.7	26.8	26.9	26.9	27.0	-2.0%	
Medium Cars	49.1	49.1	49.1	49.4	49.4	49.5	49.5	32.4	30.9	30.9	31.0	31.0	31.0	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.2	31.2	31.4	31.4	31.6	31.7	-1.8%	
Small Light Trucks	53.4	53.4	53.4	53.7	53.7	53.8	53.8	33.9	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.7	33.7	33.9	34.0	34.1	34.2	-1.8%	
Medium Light Trucks	55.9	55.9	55.9	56.1	56.1	56.2	56.2	35.6	35.0	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.8	34.8	34.8	34.9	35.0	35.1	35.2	35.3	-1.9%	
Large Light Trucks	63.5	63.5	63.5	63.5	63.5	63.7	63.7	38.6	38.2	38.1	38.1	38.1	38.1	38.1	38.0	38.0	38.0	38.0	38.0	37.9	37.9	37.9	38.0	38.1	38.2	38.3	38.4	-2.1%
Fuel Cell Methanol																												
Medium Cars	130.4	131.0	131.6	132.7	132.6	132.8	132.7	132.6	133.4	81.7	74.5	68.2	62.8	58.2	54.2	50.8	47.9	45.3	43.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.2	-4.7%
Large Cars	143.5	144.2	144.9	146.2	146.2	146.4	146.5	146.7	147.6	89.5	81.4	74.3	68.3	63.1	58.7	54.9	51.6	48.7	46.3	44.2	44.2	44.2	44.1	44.1	44.1	44.1	44.1	-4.8%
Small Light Trucks	122.7	123.0	123.4	124.1	124.1	124.4	124.4	124.3	125.3	75.3	68.4	62.4	57.2	52.8	49.0	45.7	42.8	40.4	38.3	36.5	36.5	36.5	36.5	36.5	36.4	36.4	36.4	-4.9%
Large Light Trucks	166.5	167.1	167.5	167.9	167.6	167.7	167.5	167.2	167.9	98.4	88.6	80.1	72.9	66.8	61.6	57.1	53.2	49.8	46.9	44.4	44.4	44.4	44.4	44.4	44.3	44.3	44.3	-5.4%
Fuel Cell Hydrogen																												
Medium Cars	104.6	105.0	105.4	106.3	106.2	106.4	106.3	106.2	106.9	71.1	66.1	61.8	58.0	54.8	52.1	49.7	47.7	45.9	44.5	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	-3.6%
Large Cars	114.1	114.6	115.1	116.0	116.0	116.2	116.3	116.4	117.1	76.9	71.3	66.4	62.3	58.7	55.6	53.0	50.7	48.8	47.1	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	-3.8%

Small Car = Minicompact, subcompact, compact, and two-seater.
Medium Car = Mid-Size.
Large Car = Large.
Small Light Truck = Small pickup and small van.
Medium Light Truck = Large pickup and small utility.
Large Light Truck = Large van and large utility.

Sources: 1996 derived using: Decision Analysis Corporation of Virginia (DAC) and Energy Environmental Analysis Incorporated, NEMS Transportation Sector Model: Alternative-Fuel Economy Model Final Report, Subtask 12-3, prepared for the Energy Information Administration (October 30, 1995); DAC, Characteristics Update of Alternative-Fuel Light Duty Vehicles, Final Report, Subtask 6-4, prepared for EIA (November 30, 1994); and EIA, National Energy Modeling System run AEO98B.D100197A. Projection: EIA, National Energy Modeling System run AEO98B.D100197A.

Table 51. New Light-Duty Vehicle Range (Miles)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Gasoline																											
Small Cars	453	445	438	448	452	456	459	464	469	470	471	474	476	477	479	481	480	482	483	484	487	488	489	491	492	492	0.3%
Medium Cars	450	442	436	445	449	453	456	460	464	465	465	468	468	468	469	470	468	468	469	468	470	470	471	472	473	473	0.2%
Large Cars	426	416	408	416	420	422	425	430	431	432	432	433	432	431	431	431	429	429	429	428	430	430	430	431	431	431	0.1%
Small Light Trucks	425	424	416	422	425	427	428	431	434	433	432	433	434	434	436	438	439	441	444	445	447	448	450	454	456	456	0.3%
Medium Light Trucks	394	392	385	389	392	394	395	398	400	399	399	400	401	402	404	406	407	410	412	413	416	417	419	423	424	424	0.3%
Large Light Trucks	458	452	443	446	450	454	458	463	466	469	471	476	478	479	484	488	490	492	495	498	502	504	507	512	512	512	0.5%
Diesel																											
Small Cars	425	429	433	437	442	446	451	455	460	464	469	474	478	483	488	493	498	503	508	513	513	513	513	513	513	513	0.8%
Medium Cars	382	386	390	394	398	402	406	410	414	418	422	426	431	435	439	444	448	453	457	462	462	462	462	462	462	462	0.8%
Large Cars	361	365	368	372	376	379	383	387	391	395	399	403	407	411	415	419	423	427	432	436	436	436	436	436	436	436	0.8%
Small Light Trucks	425	429	433	437	442	446	451	455	460	464	469	474	478	483	488	493	498	503	508	513	513	513	513	513	513	513	0.8%
Medium Light Trucks	382	386	390	394	398	402	406	410	414	418	422	426	431	435	439	444	448	453	457	462	462	462	462	462	462	462	0.8%
Large Light Trucks	361	365	368	372	376	379	383	387	391	395	399	403	407	411	415	419	423	427	432	436	436	436	436	436	436	436	0.8%
Methanol Neat																											
Small Cars	284	278	274	280	283	285	287	290	293	295	296	298	299	300	302	303	303	305	306	306	308	309	309	310	311	311	0.4%
Medium Cars	291	287	283	289	292	294	296	299	302	302	303	304	305	305	305	306	305	305	305	305	306	306	307	308	308	308	0.2%
Large Cars	316	316	312	317	320	322	325	329	332	332	333	334	335	335	337	340	339	339	338	337	338	337	337	337	337	337	0.3%
Small Light Trucks	268	267	262	266	268	269	270	272	273	273	272	273	273	274	275	276	277	278	279	280	282	282	284	286	287	287	0.3%
Methanol Flex																											
Small Cars	257	252	248	254	256	258	260	262	265	267	267	269	271	271	273	274	274	276	276	277	279	279	280	281	281	281	0.4%
Medium Cars	264	259	256	261	264	266	268	271	273	274	274	275	276	276	276	277	276	276	276	276	277	277	278	278	279	279	0.2%
Large Cars	276	276	272	276	278	280	283	286	288	288	288	289	290	290	291	293	292	292	291	290	290	289	289	289	289	289	0.2%
Small Light Trucks	242	242	237	241	242	243	244	246	247	247	246	247	247	248	249	250	250	252	253	254	255	256	257	259	260	0.3%	
Medium Light Trucks	226	225	221	223	225	226	226	227	229	228	228	229	229	229	229	231	232	232	233	235	235	237	237	238	241	241	0.3%
Large Light Trucks	261	258	253	254	257	259	261	264	266	267	269	271	272	273	276	278	279	281	282	284	286	287	289	292	292	292	0.5%
Ethanol Neat																											
Small Cars	343	336	332	340	343	347	350	354	358	360	362	365	368	370	372	375	376	378	380	381	384	386	387	389	390	390	0.5%
Medium Cars	352	346	341	348	352	355	357	361	364	365	365	367	367	367	368	369	368	368	369	368	370	370	370	371	372	372	0.2%
Large Cars	381	382	376	383	386	389	393	397	400	401	401	403	404	405	407	410	409	409	408	407	407	406	406	406	406	406	0.3%
Small Light Trucks	327	326	320	324	326	328	329	331	333	332	331	333	333	334	336	337	338	340	341	342	344	345	346	349	351	351	0.3%

Table 51. New Light-Duty Vehicle Range (Miles)		1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Electric/Hybrid																											
Small Cars		451	443	437	447	452	456	460	466	471	474	476	481	484	487	490	494	494	497	500	501	506	508	509	512	513	0.5%
Medium Cars		463	455	449	458	463	467	470	475	479	480	480	483	483	483	484	486	484	484	485	485	486	486	487	489	489	0.2%
Small Light Trucks		430	429	421	426	429	431	433	436	438	437	436	438	439	439	442	444	444	447	449	451	453	454	456	459	461	0.3%
Medium Light Trucks		393	393	387	392	396	397	399	402	404	403	402	404	405	405	407	408	409	411	413	414	416	417	419	422	424	0.3%
Large Light Trucks		474	467	458	460	464	468	472	476	479	482	485	489	491	493	498	502	504	507	510	512	517	519	522	527	527	0.4%
Fuel Cell Methanol																											
Medium Cars		463	455	449	458	463	467	470	475	479	480	480	483	483	483	484	486	484	484	485	485	486	486	487	489	489	0.2%
Large Cars		501	502	495	504	507	511	516	522	527	528	528	531	532	532	536	540	538	538	537	535	536	535	534	534	534	0.3%
Small Light Trucks		411	410	403	409	411	414	415	417	421	420	417	418	418	418	420	421	422	424	425	426	428	429	431	435	436	0.2%
Large Light Trucks		432	426	418	421	425	430	433	438	442	444	446	450	451	452	456	459	461	463	465	467	471	473	477	481	481	0.4%
Fuel Cell Hydrogen																											
Medium Cars		463	455	449	458	463	467	470	475	479	480	480	483	483	483	484	486	484	484	485	485	486	486	487	489	489	0.2%
Large Cars		501	502	495	504	507	511	516	522	527	528	528	531	532	532	536	540	538	538	537	535	536	535	534	534	534	0.3%

Small Car = Minicompact, subcompact, compact, and two-seater.

Medium Car = Mid-Size.

Large Car = Large.

Small Light Truck = Small pickup and small van.

Medium Light Truck = Large pickup and small utility.

Large Light Truck = Large van and large utility.

Sources: 1996 derived using: Decision Analysis Corporation of Virginia (DAC) and Energy Environmental Analysis Incorporated, NEMS Transportation Sector Model: Alternative-Fuel Economy Model Final Report, Subtask 12-3, prepared for the Energy Information Administration (October 30, 1995); DAC, Characteristics Update of Alternative-Fuel Light Duty Vehicles, Final Report, Subtask 6-4, prepared for EIA (November 30, 1994); and EIA, National Energy Modeling System run AEO98B.D100197A. Projection: EIA, National Energy Modeling System run AEO98B.D100197A.

Table 52. Transportation Fleet Car and Truck Fuel Consumption by Type and Technology (Trillion Btu)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Cars 1/																										
Gasoline Conventional	1043.93	1031.83	1019.47	999.23	975.03	947.36	912.18	879.71	854.67	840.64	837.47	841.68	850.61	860.62	869.74	875.80	882.74	890.11	897.57	906.02	910.34	914.42	919.18	923.70	928.46	-0.5%
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	0.00	N/A
Methanol	0.14	0.19	0.31	0.49	0.81	1.23	1.60	1.92	2.18	2.32	2.35	2.37	2.40	2.42	2.45	2.47	2.49	2.51	2.53	2.55	2.57	2.58	2.59	2.60	2.61	13.1%
Flex	0.14	0.19	0.31	0.49	0.81	1.23	1.60	1.92	2.18	2.32	2.35	2.37	2.40	2.42	2.45	2.47	2.49	2.51	2.53	2.55	2.57	2.58	2.59	2.60	2.61	13.1%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol	0.02	0.02	0.03	0.06	0.09	0.14	0.19	0.23	0.25	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	13.2%
Flex	0.02	0.02	0.03	0.06	0.09	0.14	0.19	0.23	0.25	0.27	0.27	0.27	0.27	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	13.2%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric	0.07	0.11	0.21	0.37	0.58	0.82	1.06	1.26	1.39	1.44	1.41	1.32	1.22	1.14	1.08	1.05	1.03	1.04	1.04	1.05	1.05	1.05	1.05	1.05	1.05	11.8%
Dedicated	0.07	0.11	0.21	0.37	0.58	0.82	1.06	1.26	1.39	1.44	1.41	1.32	1.22	1.14	1.08	1.05	1.03	1.04	1.04	1.05	1.05	1.05	1.05	1.05	1.05	11.8%
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	0.00	N/A
Compressed Natural Gas	2.94	4.21	7.68	13.14	21.05	30.65	39.71	47.58	53.25	56.70	57.88	58.47	59.10	59.83	60.59	61.08	61.54	61.97	62.34	62.67	62.91	63.24	63.61	64.01	64.34	13.7%
Compressed Natural Gas 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	0.00	N/A
Liquid Petroleum Gas	3.32	3.90	5.16	7.09	9.80	13.02	17.32	23.01	29.68	36.47	41.32	44.22	45.48	45.93	46.36	46.61	46.85	47.08	47.28	47.49	47.56	47.67	47.82	47.95	48.08	11.8%
Liquid Petroleum Gas 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	0.00	N/A
Gas Turbine 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	0.00	N/A
Gas Turbine CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	0.00	N/A
Total Fleet Cars	1050.41	1040.26	1032.85	1020.38	1007.35	993.21	972.06	953.71	941.42	937.85	940.70	948.32	959.08	970.22	980.50	987.29	994.93	1003.00	1011.06	1020.08	1024.71	1029.24	1034.54	1039.60	1044.84	-0.0%

Table 52. Transportation Fleet Car and Truck Fuel Consumption by Type and Technology (Trillion Btu)																									1996-2020	
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Light Trucks 1/																										
Gasoline Conventional	1240.25	1344.20	1437.25	1494.90	1552.63	1590.53	1598.54	1588.71	1580.45	1582.23	1597.08	1618.10	1643.29	1670.32	1693.76	1706.13	1718.15	1726.33	1729.88	1729.92	1727.35	1724.44	1721.55	1718.69	1716.22	1.4%
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	0.00	N/A
Methanol	0.24	0.34	0.51	0.81	1.32	2.06	2.80	3.45	4.04	4.53	4.82	4.91	4.99	5.09	5.18	5.23	5.28	5.32	5.34	5.35	5.35	5.35	5.35	5.35	5.35	13.7%
Flex	0.24	0.34	0.51	0.81	1.32	2.06	2.80	3.45	4.04	4.53	4.82	4.91	4.99	5.09	5.18	5.23	5.28	5.32	5.34	5.35	5.35	5.35	5.35	5.35	5.35	13.7%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol	0.03	0.05	0.07	0.11	0.19	0.29	0.40	0.49	0.58	0.65	0.69	0.70	0.71	0.72	0.73	0.74	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.76	0.76	14.1%
Flex	0.03	0.05	0.07	0.11	0.19	0.29	0.40	0.49	0.58	0.65	0.69	0.70	0.71	0.72	0.73	0.74	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.76	0.76	14.1%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric	0.05	0.07	0.11	0.18	0.27	0.38	0.48	0.55	0.60	0.61	0.60	0.56	0.53	0.50	0.48	0.47	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	9.8%
Dedicated	0.05	0.07	0.11	0.18	0.27	0.38	0.48	0.55	0.60	0.61	0.60	0.56	0.53	0.50	0.48	0.47	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	9.8%
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	0.00	N/A
Compressed Natural Gas	3.71	5.22	8.29	13.44	21.93	33.50	44.84	54.59	63.12	69.86	73.82	75.17	76.55	77.95	79.23	80.03	80.75	81.39	81.81	81.98	81.96	82.03	82.05	82.03	81.93	13.8%
Compressed Natural Gas 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	0.00	N/A
Liquid Petroleum Gas	4.02	4.93	6.35	8.19	11.06	14.79	18.39	22.28	26.68	31.00	34.53	37.26	39.18	40.30	40.93	41.30	41.66	41.95	42.12	42.19	42.17	42.18	42.17	42.15	42.09	10.3%
Liquid Petroleum Gas 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	0.00	N/A
Gas Turbine 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	0.00	N/A
Gas Turbine CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	0.00	N/A
Total Fleet Light Trucks	1248.31	1354.80	1452.59	1517.62	1587.41	1641.56	1665.45	1670.07	1675.46	1688.89	1711.54	1736.69	1765.26	1794.88	1820.31	1833.91	1847.06	1856.2	1860.38	1860.68	1858.07	1855.24	1852.36	1849.45	1846.85	1.6%
Total Fleet Vehicles	2298.72	2395.06	2485.44	2538.00	2594.75	2634.77	2637.51	2623.77	2616.88	2626.75	2652.24	2685.01	2724.34	2765.10	2800.81	2821.21	2841.99	2859.22	2871.44	2880.76	2882.78	2884.48	2886.90	2889.06	2891.67	1.0%
Commercial Light Trucks 2/	579.08	590.73	600.96	608.90	617.01	627.56	637.64	646.44	657.31	669.23	681.99	693.62	705.43	716.49	727.08	736.35	744.90	752.33	758.42	764.60	770.28	777.21	782.93	788.90	793.71	1.3%

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: 1996 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, "Trucks Inventory and Use Survey," TC92-T-52, (Washington, DC, May 1995); Federal Highway Administration, Highway Statistics 1995 (November 1996); Decision Analysis Corporation of Virginia, NEMS Transportation Sector Model: Development of the Light Commercial Truck Model, Final Report, Subtask 19-2, prepared for the Energy Information Administration (EIA) (April 23, 1997); and EIA AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 53. Transportation Fleet Car and Truck Sales by Type and Technology (Thousands)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Cars 1/																										
Gasoline Conventional	1842.36	1759.43	1760.72	1714.84	1649.61	1597.38	1584.19	1557.47	1550.41	1563.06	1585.36	1601.30	1622.29	1640.38	1659.65	1667.23	1685.01	1704.36	1714.00	1722.68	1720.13	1731.99	1746.63	1759.36	1758.08	-0.2%
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	0.00	N/A
Methanol	0.85	2.59	4.37	6.79	10.69	14.23	14.39	14.56	14.91	15.24	15.45	15.60	15.79	15.96	16.14	16.21	16.38	16.56	16.65	16.73	16.70	16.81	16.95	17.06	17.05	13.3%
Flex	0.85	2.59	4.37	6.79	10.69	14.23	14.39	14.56	14.91	15.24	15.45	15.60	15.79	15.96	16.14	16.21	16.38	16.56	16.65	16.73	16.70	16.81	16.95	17.06	17.05	13.3%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol	0.09	0.30	0.45	0.72	1.20	1.66	1.66	1.66	1.67	1.69	1.72	1.73	1.76	1.78	1.80	1.80	1.82	1.84	1.85	1.86	1.86	1.87	1.89	1.90	1.90	13.3%
Flex	0.09	0.30	0.45	0.72	1.20	1.66	1.66	1.66	1.67	1.69	1.72	1.73	1.76	1.78	1.80	1.80	1.82	1.84	1.85	1.86	1.86	1.87	1.89	1.90	1.90	13.3%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric	0.14	0.41	1.02	1.49	1.95	2.17	2.27	2.40	2.56	2.67	2.70	2.73	2.76	2.79	2.82	2.83	2.86	2.89	2.90	2.91	2.91	2.92	2.95	2.97	2.96	13.7%
Dedicated	0.14	0.41	1.02	1.49	1.95	2.17	2.27	2.40	2.56	2.67	2.70	2.73	2.76	2.79	2.82	2.83	2.86	2.89	2.90	2.91	2.91	2.92	2.95	2.97	2.96	13.7%
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	0.00	N/A
Compressed Natural Gas	4.04	13.62	29.52	44.48	62.92	76.05	77.01	78.04	80.03	81.86	82.98	83.78	84.84	85.75	86.72	87.08	87.98	88.95	89.43	89.85	89.69	90.28	91.01	91.65	91.56	13.9%
Compressed Natural Gas 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	0.00	N/A
Liquid Petroleum Gas	6.29	9.43	15.45	20.69	26.78	30.81	40.57	54.63	69.22	77.19	78.04	78.58	79.37	80.02	80.73	80.88	81.53	82.26	82.53	82.75	82.45	82.84	83.36	83.80	83.58	11.4%
Liquid Petroleum Gas 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	0.00	N/A
Gas Turbine 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	0.00	N/A
Gas Turbine CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	0.00	N/A
Total Fleet Cars	1853.78	1785.79	1811.52	1789.00	1753.14	1722.30	1720.10	1708.76	1718.79	1741.71	1766.25	1783.71	1806.80	1826.67	1847.86	1856.03	1875.57	1896.86	1907.35	1916.78	1913.73	1926.70	1942.78	1956.75	1955.13	0.2%

Table 53. Transportation Fleet Car and Truck Sales by Type and Technology (Thousands)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Light Trucks 1/																											
Gasoline Conventional	1467.44	1525.33	1573.82	1575.85	1554.57	1526.41	1543.07	1552.88	1575.92	1607.26	1636.50	1659.35	1687.63	1713.08	1732.95	1733.61	1751.86	1764.62	1767.23	1768.8	1765.99	1777.97	1792.80	1805.69	1804.20	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	0.00	0.00	N/A
Methanol	1.12	3.09	4.92	7.95	13.35	18.62	18.82	19.09	19.52	19.98	20.34	20.63	20.98	21.29	21.54	21.55	21.78	21.94	21.97	21.99	21.95	22.10	22.29	22.45	22.43	13.3%	
Flex	1.12	3.09	4.92	7.95	13.35	18.62	18.82	19.09	19.52	19.98	20.34	20.63	20.98	21.29	21.54	21.55	21.78	21.94	21.97	21.99	21.95	22.10	22.29	22.45	22.43	13.3%	
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol	0.14	0.41	0.64	1.04	1.77	2.50	2.52	2.55	2.60	2.65	2.70	2.74	2.78	2.83	2.86	2.86	2.89	2.91	2.92	2.92	2.91	2.93	2.96	2.98	2.98	13.5%	
Flex	0.14	0.41	0.64	1.04	1.77	2.50	2.52	2.55	2.60	2.65	2.70	2.74	2.78	2.83	2.86	2.86	2.89	2.91	2.92	2.92	2.91	2.93	2.96	2.98	2.98	13.5%	
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric	0.08	0.16	0.33	0.49	0.66	0.77	0.78	0.83	0.90	0.94	0.96	0.97	0.99	1.00	1.01	1.01	1.02	1.03	1.03	1.03	1.03	1.04	1.05	1.05	1.05	11.5%	
Dedicated	0.08	0.16	0.33	0.49	0.66	0.77	0.78	0.83	0.90	0.94	0.96	0.97	0.99	1.00	1.01	1.01	1.02	1.03	1.03	1.03	1.03	1.04	1.05	1.05	1.05	11.5%	
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	0.00	0.00	N/A
Compressed Natural Gas	3.75	10.16	18.06	28.59	45.43	60.71	61.38	62.45	64.07	65.70	66.89	67.83	68.98	70.02	70.84	70.86	71.61	72.13	72.24	72.30	72.19	72.68	73.28	73.81	73.75	13.2%	
Compressed Natural Gas 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	0.00	0.00	N/A
Liquid Petroleum Gas	4.90	6.98	9.73	13.00	17.97	22.30	22.59	27.25	32.27	35.27	35.92	36.42	37.04	37.60	38.03	38.05	38.45	38.73	38.78	38.82	38.76	39.02	39.35	39.63	39.60	9.1%	
Liquid Petroleum Gas 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	0.00	0.00	N/A
Gas Turbine 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	0.00	0.00	N/A
Gas Turbine CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	0.00	0.00	N/A
Total Fleet Light Trucks	1477.43	1546.12	1607.50	1626.93	1633.75	1631.31	1649.17	1665.05	1695.26	1731.80	1763.30	1787.93	1818.40	1845.82	1867.23	1867.95	1887.61	1901.35	1904.17	1905.87	1902.84	1915.74	1931.72	1945.61	1944.00	1.2%	
Total Fleet Vehicles	3331.20	3331.91	3419.02	3415.93	3386.89	3353.61	3369.27	3373.80	3414.05	3473.51	3529.55	3571.64	3625.20	3672.48	3715.09	3723.98	3763.18	3798.2	3811.52	3822.63	3816.56	3842.44	3874.50	3902.36	3899.13	0.7%	
Commercial Light Trucks 2/	799.79	836.98	870.21	880.72	884.42	883.10	892.77	901.36	917.72	937.50	954.55	967.88	984.38	999.22	1010.81	1011.20	1021.84	1029.28	1030.81	1031.73	1030.09	1037.07	1045.72	1053.24	1052.37	1.2%	

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: 1996 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 1995 (November 1996); 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 1995, DOE/EIA-0585(95) (Washington, DC, December 1996); and EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 54. Transportation Fleet Car and Truck Stock by Type and Technology (Thousands)																								1996- 2020		
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Cars 1/																										
Gasoline Conventional	7413.95	7376.15	7301.80	7160.63	6971.88	6785.82	6581.85	6387.22	6244.07	6172.73	6168.81	6212.00	6282.28	6358.28	6431.93	6496.50	6558.41	6621.68	6675.97	6729.84	6764.05	6792.00	6824.70	6861.69	6897.93	-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	0.00	N/A
Methanol	4.11	5.89	9.42	15.33	25.10	38.34	50.23	60.82	69.19	74.02	75.23	76.14	77.07	77.98	78.89	79.67	80.45	81.23	81.92	82.52	83.00	83.43	83.83	84.26	84.59	13.4%
Flex	4.11	5.89	9.42	15.33	25.10	38.34	50.23	60.82	69.19	74.02	75.23	76.14	77.07	77.98	78.89	79.67	80.45	81.23	81.92	82.52	83.00	83.43	83.83	84.26	84.59	13.4%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol	0.46	0.67	1.03	1.65	2.75	4.30	5.65	6.83	7.75	8.22	8.27	8.34	8.44	8.54	8.64	8.73	8.81	8.90	8.98	9.04	9.10	9.14	9.19	9.24	9.27	13.4%
Flex	0.46	0.67	1.03	1.65	2.75	4.30	5.65	6.83	7.75	8.22	8.27	8.34	8.44	8.54	8.64	8.73	8.81	8.90	8.98	9.04	9.10	9.14	9.19	9.24	9.27	13.4%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.68	0.96	1.85	3.20	4.99	7.00	9.07	10.98	12.46	13.56	14.15	14.44	14.63	14.79	14.96	15.11	15.25	15.40	15.53	15.64	15.72	15.81	15.89	15.97	16.03	14.1%
Dedicated	0.68	0.96	1.85	3.20	4.99	7.00	9.07	10.98	12.46	13.56	14.15	14.44	14.63	14.79	14.96	15.11	15.25	15.40	15.53	15.64	15.72	15.81	15.89	15.97	16.03	14.1%
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	0.00	N/A
Compressed Natural Gas	20.56	30.38	55.94	96.24	154.65	225.73	293.32	352.90	396.71	423.73	433.41	438.43	443.28	448.33	453.62	458.20	462.69	467.26	471.31	474.89	477.59	480.26	482.79	485.24	487.18	14.1%
Compressed Natural Gas 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	0.00	N/A
Liquid Petroleum Gas	26.03	29.34	38.52	52.81	73.15	97.50	130.29	173.90	225.38	277.64	314.77	336.93	346.40	349.58	352.79	355.51	358.12	360.83	363.09	365.22	366.45	367.51	368.69	369.99	371.14	11.7%
Liquid Petroleum Gas 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	0.00	N/A
Gas Turbine 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	0.00	N/A
Gas Turbine CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	0.00	N/A
Total Fleet Cars	7465.78	7443.40	7408.56	7329.86	7232.52	7158.69	7070.41	6992.65	6955.55	6969.91	7014.64	7086.28	7172.09	7257.51	7340.83	7413.72	7483.74	7555.28	7616.79	7677.16	7715.91	7748.15	7785.10	7826.38	7866.14	0.2%

Table 54. Transportation Fleet Car and Truck Stock by Type and Technology (Thousands)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Light Trucks 1/																											
Gasoline Conventional	6490.24	6955.47	7311.20	7465.80	7633.91	7698.35	7711.06	7689.92	7679.92	7710.08	7794.27	7909.37	8041.14	8175.91	8300.17	8395.87	8486.18	8562.29	8616.44	8653.00	8682.99	8709.43	8738.48	8776.85	8811.75	1.3%	
Distillate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	5.58	7.92	12.02	19.00	31.21	48.69	66.14	81.74	95.92	107.52	114.25	116.22	118.25	120.33	122.27	123.79	125.19	126.46	127.42	128.09	128.49	129.02	129.52	130.02	130.48	14.0%	
Flex	5.58	7.92	12.02	19.00	31.21	48.69	66.14	81.74	95.92	107.52	114.25	116.22	118.25	120.33	122.27	123.79	125.19	126.46	127.42	128.09	128.49	129.02	129.52	130.02	130.48	14.0%	
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol	0.72	1.03	1.57	2.48	4.11	6.46	8.82	10.93	12.85	14.42	15.32	15.56	15.82	16.09	16.35	16.56	16.74	16.91	17.04	17.13	17.19	17.26	17.33	17.39	17.45	14.2%	
Flex	0.72	1.03	1.57	2.48	4.11	6.46	8.82	10.93	12.85	14.42	15.32	15.56	15.82	16.09	16.35	16.56	16.74	16.91	17.04	17.13	17.19	17.26	17.33	17.39	17.45	14.2%	
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric	0.35	0.45	0.71	1.13	1.71	2.40	3.04	3.55	3.97	4.29	4.51	4.69	4.84	4.94	5.02	5.07	5.13	5.18	5.21	5.23	5.25	5.27	5.28	5.31	5.33	12.1%	
Dedicated	0.35	0.45	0.71	1.13	1.71	2.40	3.04	3.55	3.97	4.29	4.51	4.69	4.84	4.94	5.02	5.07	5.13	5.18	5.21	5.23	5.25	5.27	5.28	5.31	5.33	12.1%	
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	0.00	0.00	N/A
Compressed Natural Gas	18.29	25.89	41.12	66.35	107.97	164.79	220.50	268.62	311.02	344.52	364.06	370.89	377.76	384.48	390.61	395.43	399.86	403.85	406.80	408.86	410.18	411.79	413.33	414.97	416.46	13.9%	
Compressed Natural Gas 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	0.00	0.00	N/A
Liquid Petroleum Gas	21.71	25.16	30.83	39.09	52.38	69.70	86.50	105.02	126.14	146.93	163.85	177.02	186.27	191.52	194.49	196.81	198.97	200.85	202.21	203.15	203.85	204.54	205.26	206.12	206.90	9.8%	
Liquid Petroleum Gas 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	0.00	0.00	N/A
Gas Turbine 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	0.00	0.00	N/A
Gas Turbine CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	0.00	0.00	N/A
Total Fleet Light Trucks	6536.89	7015.92	7397.45	7593.85	7831.29	7990.39	8096.05	8159.78	8229.81	8327.75	8456.26	8593.75	8744.07	8893.27	9028.90	9133.53	9232.08	9315.52	9375.13	9415.47	9447.93	9477.30	9509.19	9550.67	9588.37	1.6%	
Total Fleet Vehicles	14002.7	14459.3	14806.0	14923.7	15063.8	15149.1	15166.5	15152.4	15185.4	15297.7	15470.9	15680.0	15916.2	16150.8	16369.7	16547.2	16715.8	16870.8	16991.9	17092.6	17163.8	17225.5	17294.3	17377.0	17454.5	0.9%	
Commercial Light Trucks 2/	8217.0	8498.5	8794.2	9080.4	9350.9	9601.9	9845.5	10081.2	10317.4	10557.3	10798.4	11035.9	11274.2	11511.1	11743.7	11960.9	12174.0	12380.2	12574.0	12755.6	12923.3	13086.6	13247.5	13405.1	13551.2	2.1%	

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: 1996 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 1995, (November 1996); 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 1995, DOE/EIA-0585(95) (Washington, DC, December 1996); and EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 55. Transportation Fleet Car and Truck VMT by Type and Technology (Billion Miles)																								1996-2020		
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Cars 1/																										
Gasoline Conventional	191.56	190.24	188.00	184.10	179.15	174.27	168.90	163.82	160.13	158.31	158.22	159.33	161.14	163.07	164.94	166.59	168.16	169.78	171.16	172.55	173.43	174.13	174.97	175.92	176.87	-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	0.00	N/A
Methanol	0.11	0.15	0.24	0.39	0.64	0.98	1.29	1.56	1.77	1.90	1.93	1.95	1.98	2.00	2.02	2.04	2.06	2.08	2.10	2.12	2.13	2.14	2.15	2.16	2.17	13.4%
Flex	0.11	0.15	0.24	0.39	0.64	0.98	1.29	1.56	1.77	1.90	1.93	1.95	1.98	2.00	2.02	2.04	2.06	2.08	2.10	2.12	2.13	2.14	2.15	2.16	2.17	13.4%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol	0.01	0.02	0.03	0.04	0.07	0.11	0.15	0.18	0.20	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.24	13.3%
Flex	0.01	0.02	0.03	0.04	0.07	0.11	0.15	0.18	0.20	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.24	13.3%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric	0.02	0.02	0.05	0.08	0.13	0.18	0.23	0.28	0.32	0.35	0.36	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.40	0.40	0.40	0.41	0.41	0.41	0.41	14.0%
Dedicated	0.02	0.02	0.05	0.08	0.13	0.18	0.23	0.28	0.32	0.35	0.36	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.40	0.40	0.40	0.41	0.41	0.41	0.41	14.0%
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	0.00	N/A
Compressed Natural Gas	0.53	0.78	1.44	2.47	3.97	5.80	7.53	9.05	10.17	10.87	11.12	11.25	11.37	11.50	11.63	11.75	11.86	11.98	12.08	12.18	12.25	12.31	12.38	12.44	12.49	14.1%
Compressed Natural Gas 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	0.00	N/A
Liquid Petroleum Gas	0.67	0.76	0.99	1.36	1.88	2.50	3.34	4.46	5.78	7.12	8.07	8.64	8.89	8.97	9.05	9.12	9.18	9.25	9.31	9.36	9.40	9.42	9.45	9.49	9.52	11.7%
Liquid Petroleum Gas 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	0.00	N/A
Gas Turbine 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	0.00	N/A
Gas Turbine CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	0.00	N/A
Total Fleet Cars	192.90	191.98	190.75	188.45	185.85	183.84	181.44	179.35	178.37	178.75	179.91	181.76	183.96	186.14	188.25	190.11	191.89	193.71	195.28	196.84	197.83	198.65	199.59	200.66	201.69	0.2%

Table 55. Transportation Fleet Car and Truck VMT by Type and Technology (Billion Miles)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Light Trucks 1/																										
Gasoline Conventional	167.69	179.39	188.24	191.94	196.16	197.70	197.88	197.23	196.95	197.74	199.90	202.87	206.25	209.69	212.85	215.29	217.59	219.53	220.91	221.86	222.63	223.29	224.03	225.02	225.94	1.2%
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	0.00	N/A
Methanol	0.14	0.20	0.31	0.49	0.80	1.25	1.70	2.10	2.46	2.76	2.93	2.98	3.03	3.09	3.14	3.17	3.21	3.24	3.27	3.28	3.29	3.31	3.32	3.33	3.35	14.0%
Flex	0.14	0.20	0.31	0.49	0.80	1.25	1.70	2.10	2.46	2.76	2.93	2.98	3.03	3.09	3.14	3.17	3.21	3.24	3.27	3.28	3.29	3.31	3.32	3.33	3.35	14.0%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Ethanol	0.02	0.03	0.04	0.06	0.11	0.17	0.23	0.28	0.33	0.37	0.39	0.40	0.41	0.41	0.42	0.42	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.45	14.2%
Flex	0.02	0.03	0.04	0.06	0.11	0.17	0.23	0.28	0.33	0.37	0.39	0.40	0.41	0.41	0.42	0.42	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.45	14.2%
Neat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Electric	0.01	0.01	0.02	0.03	0.04	0.06	0.08	0.09	0.10	0.11	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	12.0%
Dedicated	0.01	0.01	0.02	0.03	0.04	0.06	0.08	0.09	0.10	0.11	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	12.0%
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	0.00	N/A
Compressed Natural Gas	0.47	0.67	1.06	1.71	2.77	4.23	5.66	6.89	7.98	8.84	9.34	9.51	9.69	9.86	10.02	10.14	10.25	10.35	10.43	10.48	10.52	10.56	10.60	10.64	10.68	13.9%
Compressed Natural Gas 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	0.00	N/A
Liquid Petroleum Gas	0.56	0.65	0.79	1.00	1.35	1.79	2.22	2.69	3.23	3.77	4.20	4.54	4.78	4.91	4.99	5.05	5.10	5.15	5.18	5.21	5.23	5.24	5.26	5.28	5.31	9.8%
Liquid Petroleum Gas 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	0.00	N/A
Gas Turbine 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	0.00	N/A
Gas Turbine CNG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	0.00	N/A
Total Fleet Light Trucks	168.90	180.95	190.46	195.24	201.23	205.20	207.76	209.28	211.05	213.58	216.88	220.42	224.28	228.09	231.54	234.21	236.72	238.85	240.37	241.41	242.24	242.98	243.79	244.86	245.85	1.6%
Total Fleet Vehicles	361.80	372.93	381.21	383.68	387.08	389.04	389.20	388.63	389.43	392.33	396.79	402.18	408.25	414.22	419.79	424.31	428.60	432.56	435.65	438.25	440.08	441.62	443.38	445.52	447.54	0.9%
Commercial Light Trucks 2/	67.12	68.74	70.12	71.24	72.38	73.81	75.18	76.40	77.91	79.52	81.21	82.78	84.35	85.81	87.24	88.55	89.77	90.89	91.87	92.86	93.82	94.94	95.94	97.01	97.93	1.6%

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: 1996 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; Federal Highway Administration, Highway Statistics 1995, (November 1996); Decision Analysis Corporation of Virginia, NEMS Transportation Sector Model: Development of the Light Commercial Truck Model, Final Report, Subtask 19-2, (April 23, 1997); and Energy Information Administration (EIA), AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 56. Air Travel Energy Use																									1996-2020	
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Travel Demand (billion of miles)																										
Revenue Passenger Miles Domestic	424.4	448.1	464.1	475.8	485.8	497.1	508.2	518.7	531.8	545.3	559.5	572.7	587.2	601.2	615.0	627.5	640.6	653.2	664.9	676.6	688.3	701.8	714.0	726.3	738.3	2.3%
RPM Personal	220.7	235.3	246.5	254.2	259.7	266.5	273.2	279.3	287.3	295.5	304.4	312.5	321.5	330.3	339.1	346.8	355.0	363.2	371.0	378.8	386.7	395.9	404.2	412.8	421.4	2.7%
RPM Business	203.7	212.9	217.5	221.6	226.1	230.6	235.1	239.4	244.5	249.7	255.1	260.2	265.7	270.9	275.9	280.7	285.6	290.0	293.9	297.8	301.6	305.9	309.8	313.5	317.0	1.9%
Load Factor Domestic 1/	0.68	0.68	0.68	0.67	0.67	0.66	0.66	0.65	0.65	0.65	0.64	0.64	0.64	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	-0.3%
Revenue Passenger Miles International	157.6	190.3	201.8	211.8	221.1	226.4	236.6	242.1	253.8	260.7	273.5	280.6	294.0	301.5	315.1	322.2	335.9	343.2	356.8	363.6	376.9	384.5	398.5	405.5	412.4	4.1%
Load Factor International 1/	0.73	0.73	0.73	0.73	0.72	0.72	0.71	0.71	0.71	0.70	0.70	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.68	0.68	0.68	0.68	0.68	0.68	-0.3%
Revenue Ton Miles Freight (billion)	13.6	15.4	16.5	18.0	19.8	21.8	23.8	26.0	28.3	30.6	32.9	35.2	37.5	39.9	42.2	44.5	46.8	48.9	50.9	53.0	55.1	57.3	59.4	61.6	63.8	6.7%
Macro Variables (1992 dollars)																										
GDP	6928.4	7163.7	7332.3	7489.1	7652.8	7814.8	7972.4	8130.4	8312.0	8503.5	8693.9	8880.3	9072.9	9254.6	9431.2	9600.1	9774.1	9931.7	10073.0	10210.7	10347.8	10494.1	10635.3	10772.4	10899.7	1.9%
Real Merchandise Exports	628.4	716.0	766.5	828.9	909.1	995.3	1085.5	1184.6	1287.1	1387.7	1489.2	1591.6	1695.8	1802.2	1909.7	2016.4	2118.9	2216.3	2311.6	2410.8	2511.9	2613.5	2716.3	2819.7	2922.8	6.6%
Disposable Income	5076.9	5215.1	5375.8	5502.2	5595.1	5701.9	5808.6	5918.9	6046.9	6182.2	6321.2	6460.7	6602.9	6742.3	6883.6	7015.7	7150.4	7290.4	7429.6	7560.5	7684.6	7818.6	7948.0	8082.9	8217.1	2.0%
Yield (ticket price, 1992 dollars) 2/	13.1	12.6	12.6	12.8	12.8	12.9	12.9	13.0	13.0	13.1	13.1	13.2	13.2	13.3	13.3	13.3	13.3	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.5	0.1%
Fuel Cost (1987 dollars per million Btu)	4.16	3.63	3.60	3.78	3.87	3.94	3.97	4.05	4.10	4.21	4.23	4.35	4.37	4.39	4.41	4.43	4.44	4.48	4.54	4.55	4.58	4.51	4.56	4.62	4.68	0.5%
Seat Miles Demanded (billion)	998.7	1073.5	1124.2	1180.0	1230.3	1285.7	1341.3	1399.3	1458.6	1517.5	1593.6	1653.6	1718.5	1790.0	1854.5	1908.4	1971.2	2023.2	2081.2	2138.9	2197.7	2252.1	2313.0	2365.1	2416.0	3.7%
Aircraft Sales																										
Narrow Body Aircraft	337.4	475.6	295.6	309.9	283.2	300.4	297.1	302.8	304.8	300.2	365.9	300.6	319.3	344.3	318.7	280.1	316.4	279.8	306.0	308.9	318.1	307.0	335.2	309.6	311.4	-0.3%
Wide Body Aircraft	87.7	123.5	86.0	93.1	90.3	98.1	100.8	105.5	109.0	110.5	131.3	115.6	123.0	132.3	126.7	116.5	128.9	118.7	128.1	130.3	134.6	132.4	143.6	136.3	138.9	1.9%
Aircraft Stock																										
Narrow Body Aircraft	4277.0	4634.5	4809.6	4997.8	5158.9	5337.3	5512.5	5693.2	5875.3	6051.5	6291.4	6463.0	6649.6	6856.7	7033.1	7165.1	7326.8	7444.9	7581.9	7713.9	7847.0	7960.8	8094.2	8193.7	8286.4	2.8%
Wide Body Aircraft	974.5	1078.3	1142.4	1211.7	1276.4	1347.3	1419.5	1495.2	1573.4	1652.2	1750.9	1833.1	1921.8	2019.0	2109.5	2188.9	2279.4	2358.3	2445.0	2532.1	2621.6	2706.5	2800.1	2883.8	2966.7	4.7%
Aircraft New Efficiency 3/																										
Narrow Body Aircraft	48.7	49.1	49.5	49.9	50.3	50.6	51.0	51.3	51.7	52.0	52.4	52.7	53.1	53.4	53.8	54.1	54.5	54.8	55.1	55.5	55.8	56.2	56.5	56.9	57.2	0.7%
Wide Body Aircraft	58.5	58.8	59.2	59.5	59.8	60.1	60.4	60.7	61.0	61.3	61.6	61.9	62.2	62.5	62.8	63.1	63.4	63.6	63.9	64.2	64.4	64.7	64.9	65.2	65.5	0.5%
Average Aircraft Efficiency	50.5	50.8	51.4	51.8	52.3	52.7	53.1	53.4	53.8	54.2	54.5	55.0	55.3	55.7	56.1	56.5	56.8	57.2	57.5	57.8	58.1	58.5	58.8	59.2	59.5	0.7%

Table 56. Air Travel Energy Use																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Aircraft Stock Efficiency 3/																										
Narrow Body Aircraft	46.6	47.0	47.3	47.7	48.0	48.3	48.7	49.0	49.3	49.6	50.0	50.3	50.6	51.0	51.3	51.6	52.0	52.3	52.6	52.9	53.3	53.6	53.9	54.3	54.6	0.7%
Wide Body Aircraft	55.9	56.3	56.6	56.9	57.1	57.4	57.7	58.0	58.3	58.6	58.9	59.1	59.4	59.7	60.0	60.2	60.5	60.7	61.0	61.2	61.5	61.7	62.0	62.2	62.5	0.5%
Average Aircraft Stock Efficiency	50.6	51.1	51.4	51.8	52.1	52.5	52.9	53.2	53.6	53.9	54.3	54.7	55.0	55.4	55.7	56.0	56.4	56.7	57.0	57.4	57.7	58.0	58.3	58.7	59.0	0.6%
Seat Miles Demanded (billion)																										
Narrow Body Aircraft	521.9	555.4	575.8	598.3	617.6	638.9	659.9	681.5	703.3	724.4	753.1	773.7	796.0	820.8	841.9	857.7	877.1	891.2	907.6	923.4	939.3	952.9	968.9	980.8	991.9	2.7%
Wide Body Aircraft	476.8	518.2	548.4	581.7	612.7	646.8	681.4	717.7	755.3	793.1	840.5	879.9	922.5	969.2	1012.6	1050.7	1094.1	1132.0	1173.6	1215.5	1258.4	1299.2	1344.1	1384.2	1424.1	4.7%
Fuel Consumption (trillion Btu)																										
Commercial																										
Jet Fuel	2733.0	2801.9	2851.1	3229.5	3344.1	3470.5	3596.1	3726.2	3858.3	3987.9	4159.2	4288.3	4428.3	4582.8	4718.9	4827.4	4956.4	5058.0	5172.9	5285.6	5400.0	5502.6	5619.3	5714.1	5805.3	3.2%
Aviation Gasoline	43.1	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	540.0	524.1	516.9	500.2	487.7	477.1	470.9	473.9	479.3	485.1	491.2	497.6	503.3	508.5	512.9	516.0	517.9	518.1	517.5	516.5	514.1	511.2	507.7	503.2	498.1	-0.3%

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: 1996 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 1996/1995, 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 1994, Online. [ftp://ftp.eia.doe.gov/pub/state.data/021494.pdf](http://ftp.eia.doe.gov/pub/state.data/021494.pdf) (August 26, 1997); Department of Defense, Defense Fuel Supply Center; and EIA, AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 57. Freight Transportation Energy Use																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Fuel Efficiency (gasoline equivalent)																											
Medium																											
Diesel	8.13	8.15	8.17	8.19	8.21	8.23	8.24	8.26	8.27	8.29	8.30	8.31	8.32	8.33	8.34	8.35	8.36	8.37	8.38	8.38	8.39	8.40	8.40	8.41	8.42	8.42	0.1%
Gasoline	8.37	8.39	8.41	8.43	8.45	8.47	8.49	8.51	8.52	8.54	8.55	8.57	8.58	8.59	8.60	8.61	8.62	8.63	8.64	8.65	8.66	8.67	8.67	8.68	8.68	8.68	0.2%
Liquid Petroleum Gas	7.47	7.52	7.55	7.57	7.60	7.63	7.66	7.70	7.75	7.82	7.89	7.97	8.04	8.11	8.17	8.21	8.25	8.27	8.29	8.31	8.32	8.33	8.34	8.34	8.35	8.35	0.5%
Compressed Natural Gas	7.37	7.39	7.41	7.43	7.44	7.45	7.46	7.48	7.49	7.50	7.51	7.53	7.54	7.56	7.57	7.58	7.59	7.60	7.61	7.62	7.62	7.63	7.64	7.65	7.65	7.65	0.2%
Medium Average	8.16	8.18	8.19	8.21	8.22	8.24	8.25	8.27	8.28	8.29	8.29	8.30	8.31	8.32	8.33	8.34	8.34	8.35	8.36	8.37	8.38	8.38	8.39	8.40	8.40	8.40	0.1%
Heavy																											
Diesel	5.53	5.56	5.60	5.63	5.66	5.69	5.72	5.74	5.76	5.79	5.80	5.82	5.83	5.85	5.86	5.87	5.88	5.89	5.90	5.91	5.91	5.92	5.92	5.93	5.94	5.94	0.3%
Gasoline	6.27	6.32	6.36	6.39	6.43	6.47	6.50	6.53	6.56	6.59	6.61	6.63	6.65	6.67	6.68	6.70	6.71	6.72	6.74	6.75	6.76	6.76	6.77	6.78	6.79	6.79	0.3%
Liquid Petroleum Gas	7.10	7.22	7.28	7.33	7.39	7.44	7.51	7.57	7.65	7.75	7.85	7.96	8.06	8.15	8.23	8.29	8.34	8.37	8.39	8.40	8.41	8.42	8.42	8.43	8.43	8.43	0.7%
Compressed Natural Gas	6.85	6.90	6.94	6.98	7.01	7.03	7.06	7.09	7.11	7.14	7.17	7.20	7.23	7.25	7.28	7.30	7.32	7.34	7.35	7.37	7.38	7.39	7.40	7.41	7.42	7.42	0.3%
Heavy Average	5.53	5.57	5.60	5.63	5.66	5.69	5.72	5.75	5.77	5.79	5.81	5.83	5.84	5.86	5.87	5.88	5.89	5.90	5.91	5.92	5.92	5.93	5.93	5.94	5.95	5.95	0.3%
Average	5.95	5.95	5.98	6.02	6.06	6.09	6.11	6.15	6.18	6.19	6.21	6.23	6.24	6.26	6.28	6.29	6.29	6.30	6.31	6.33	6.33	6.34	6.35	6.36	6.36	6.36	0.3%
Sales (millions)																											
Medium																											
Diesel	0.11	0.12	0.11	0.10	0.12	0.12	0.12	0.11	0.12	0.12	0.13	0.13	0.12	0.12	0.12	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.4%
Gasoline	0.04	0.05	0.04	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-1.8%
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	0.00	0.00	1.1%
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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	16.9%
Medium Subtotal	0.16	0.17	0.15	0.14	0.16	0.16	0.16	0.15	0.16	0.16	0.17	0.17	0.16	0.16	0.16	0.17	0.16	0.16	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.1%
Heavy																											
Diesel	0.19	0.23	0.19	0.18	0.20	0.21	0.20	0.19	0.21	0.21	0.22	0.22	0.21	0.21	0.21	0.22	0.21	0.20	0.20	0.21	0.21	0.22	0.21	0.21	0.21	0.21	0.3%
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	0.00	0.00	0.1%
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	0.00	0.00	4.2%
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	0.00	0.00	19.4%
Heavy Subtotal	0.20	0.23	0.20	0.18	0.20	0.22	0.21	0.20	0.21	0.22	0.22	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.4%
Total Sales	0.35	0.40	0.35	0.32	0.36	0.38	0.37	0.35	0.37	0.38	0.39	0.39	0.39	0.38	0.39	0.39	0.38	0.37	0.36	0.37	0.38	0.39	0.38	0.38	0.37	0.3%	
Railroads																											
Ton Miles by Rail (billion ton miles)																											
	1203.65	1279.64	1301.48	1321.66	1333.87	1355.25	1374.51	1390.56	1409.58	1431.65	1453.79	1475.50	1497.02	1515.38	1532.84	1548.29	1561.20	1570.82	1576.49	1584.07	1590.89	1602.2	1609.52	1618.37	1622.74	1622.74	1.3%
Fuel Efficiency (ton miles per thousand Btu)																											
	2.70	2.72	2.73	2.74	2.76	2.77	2.78	2.80	2.81	2.83	2.84	2.85	2.87	2.88	2.90	2.91	2.93	2.94	2.96	2.97	2.99	3.00	3.02	3.03	3.05	3.05	0.5%
Fuel Consumption (trillion Btu)																											
Diesel (distillate)	445.52	471.28	476.92	481.90	483.92	489.22	493.69	496.96	501.23	506.54	511.80	516.84	521.76	525.52	528.91	531.57	533.33	533.93	533.18	533.06	532.68	533.79	533.54	533.80	532.56	532.56	0.7%
Residual Oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	N/A
Domestic Shipping																											

Table 57. Freight Transportation Energy Use																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Ton Miles Shipping (billion ton miles)	776.89	787.99	795.75	809.99	815.32	827.43	837.21	846.18	855.68	867.81	879.65	891.66	903.84	913.65	922.96	930.89	937.68	943.07	945.62	949.24	952.38	958.59	961.86	965.97	967.47	0.9%
Fuel Efficiency (ton miles per Btu)	2.69	2.70	2.71	2.73	2.74	2.76	2.77	2.78	2.80	2.81	2.83	2.84	2.85	2.87	2.88	2.90	2.91	2.93	2.94	2.96	2.97	2.99	3.00	3.02	3.03	0.5%
Fuel Consumption (trillion Btu)																										
Diesel (distillate)	215.40	226.91	229.80	232.74	233.10	235.38	236.97	238.31	239.78	241.97	244.04	246.14	248.25	249.69	250.97	251.87	252.43	252.62	252.03	251.73	251.30	251.67	251.27	251.08	250.23	0.6%
Residual Oil	74.25	68.11	67.35	68.21	68.31	68.98	69.45	69.84	70.27	70.91	71.52	72.14	72.75	73.18	73.55	73.81	73.98	74.03	73.86	73.78	73.65	73.76	73.64	73.58	73.33	-0.1%
Motor Gasoline	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
International Shipping																										
Gross Trade (billion 1987 dollars)	1435.67	1637.66	1774.07	1902.87	2044.41	2193.90	2358.46	2532.89	2721.56	2922.76	3129.05	3337.72	3553.70	3775.02	3998.58	4224.77	4451.87	4679.08	4906.49	5139.31	5375.18	5619.71	5869.15	6121.06	6374.05	6.4%
Exports (billion 1987 dollars)	628.38	716.02	766.51	828.90	909.14	995.26	1085.55	1184.59	1287.07	1387.73	1489.18	1591.56	1695.76	1802.22	1909.71	2016.35	2118.92	2216.28	2311.56	2410.84	2511.90	2613.50	2716.27	2819.74	2922.79	6.6%
Imports (billion 1987 dollars)	807.29	921.64	1007.56	1073.97	1135.26	1198.65	1272.91	1348.30	1434.49	1535.02	1639.87	1746.16	1857.95	1972.81	2088.87	2208.42	2332.95	2462.80	2594.93	2728.47	2863.28	3006.21	3152.88	3301.32	3451.25	6.2%
Fuel Consumption (trillion Btu)																										
Diesel (distillate)	70.61	78.01	81.72	84.59	87.67	90.75	93.99	97.29	100.73	104.27	107.77	111.19	114.62	118.02	121.36	124.64	127.79	130.81	133.76	136.71	139.63	142.59	145.56	148.50	151.39	3.2%
Residual Oil	816.83	785.84	803.77	831.97	862.23	892.53	924.41	956.88	990.68	1025.51	1059.97	1093.61	1127.32	1160.81	1193.60	1225.86	1256.83	1286.60	1315.61	1344.61	1373.29	1402.48	1431.63	1460.54	1489.02	2.5%

VMT = Vehicle Miles Traveled
MPG = Miles per gallon.
Btu = British thermal unit.
N/A = Not applicable.

Sources: 1996 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 1995 (Washington, DC, November 1996); and Energy Information Administration (EIA), AEO98 National Energy Modeling System run AEO98B.D100197A. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 58. Electric Power and Projections for the EMM Region 01 - East Central Area Reliability Coordination Agreement																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Electricity Generating Capacity 1/ (gigawatts)																										
Coal Steam	84.92	84.41	82.82	82.48	82.14	81.99	81.80	81.64	81.49	81.49	81.38	81.34	81.31	81.31	81.23	81.20	81.19	81.06	80.96	80.92	80.85	80.85	80.85	80.85	80.85	-0.2%
Other Fossil Steam 2/	3.80	3.64	3.34	3.34	1.84	1.84	1.57	1.55	1.42	1.06	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	-5.2%
Combined Cycle	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	1.06	1.18	1.26	1.63	2.19	3.19	4.24	5.30	6.03	7.10	8.15	9.91	11.00	12.54	13.69	13.83	14.46	12.6%
Combustion Turbine/Diesel	9.97	11.23	22.24	22.31	22.31	22.40	22.65	25.21	26.86	28.80	30.05	30.98	32.84	34.02	34.99	35.71	36.70	37.24	38.30	39.34	39.76	39.99	41.07	42.11	42.94	6.3%
Nuclear Power	7.66	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	6.83	6.83	6.83	6.83	6.83	6.83	6.83	5.83	5.83	5.02	3.09	3.09	3.09	3.09	-3.7%
Pumped Storage/Other 3/	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	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 4/	1.91	1.95	1.95	3.17	3.17	3.17	3.17	3.17	3.17	3.18	3.18	3.19	3.19	3.20	3.20	3.21	3.21	3.21	3.22	3.22	3.22	3.22	3.22	3.22	3.23	2.2%
Total Capability	112.37	112.94	122.06	123.01	121.17	121.11	120.90	123.29	124.88	126.59	127.80	128.30	130.70	132.88	134.82	136.58	138.29	139.78	140.79	143.56	144.18	144.02	146.25	147.43	148.89	1.2%
Cumulative Planned Additions 5/																										
Coal Steam	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	0.07	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	0.43	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	0.43	N/A
Combustion Turbine/Diesel	0.39	0.93	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	4.1%
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	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/	0.32	0.36	0.36	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	6.9%
Total (planned)	1.21	1.79	1.90	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	3.12	4.0%
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	0.00	0.00	0.00	0.00	0.00	0.23	0.35	0.43	0.80	1.36	2.36	3.40	4.47	5.20	6.27	7.32	9.08	10.17	11.71	12.86	12.99	13.62	N/A
Combustion Turbine/Diesel	5.17	5.89	16.79	16.86	16.86	16.95	17.30	19.86	21.50	23.45	24.69	25.62	27.49	28.67	29.63	30.35	31.34	31.88	32.94	33.98	34.40	34.63	35.71	36.76	37.58	8.6%
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	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	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	3.5%
Total (planned)	5.21	5.93	16.83	16.90	16.90	16.99	17.34	19.90	21.77	23.84	25.17	26.48	28.91	31.09	33.11	34.89	36.62	38.23	40.35	43.15	44.65	46.43	48.66	49.84	51.30	10.0%
Cumulative Total Additions	0.47	1.05	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	3.9%
Cumulative Retirements	1.60	2.34	4.22	4.56	6.40	6.55	7.11	7.28	7.56	7.92	8.05	8.85	8.88	8.88	8.96	8.99	9.00	9.13	10.23	10.27	11.15	13.08	13.08	13.08	13.08	9.2%

Table 58. Electric Power and Projections for the EMM Region 01 - East Central Area Reliability Coordination Agreement																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Cogenerators 6/ Capacity																											
Coal	0.98	0.98	0.99	1.00	1.00	1.01	1.02	1.03	1.04	1.04	1.05	1.06	1.07	1.07	1.08	1.08	1.09	1.09	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	0.4%
Petroleum	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	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	0.8%
Natural Gas	2.32	2.34	2.36	2.45	2.46	2.47	2.48	2.49	2.50	2.51	2.53	2.54	2.55	2.56	2.58	2.59	2.60	2.60	2.59	2.57	2.56	2.56	2.55	2.54	2.53	0.4%	
Other Gaseous Fuels	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-0.1%
Renewables	0.19	0.19	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	0.21	0.21	0.21	0.20	0.20	0.3%	
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Total	3.60	3.61	3.66	3.75	3.77	3.79	3.82	3.83	3.85	3.88	3.90	3.92	3.94	3.96	3.98	3.99	4.01	4.01	3.99	3.98	3.97	3.96	3.95	3.94	3.93	0.4%	
Electricity Demand (billion kilowatthours)																											
Residential	150.18	147.77	155.63	155.84	160.17	164.61	166.36	168.12	169.61	171.84	173.91	176.09	178.37	180.63	183.01	185.61	188.10	190.45	192.75	194.89	197.28	199.47	201.70	204.06	206.37	1.3%	
Commercial/Other	132.21	133.72	138.65	140.65	142.28	143.94	145.50	147.11	148.86	150.67	152.37	154.05	155.79	157.51	159.16	160.92	162.66	164.08	165.45	166.66	167.67	168.52	169.13	169.60	169.88	1.0%	
Industrial	201.80	206.38	208.41	210.85	212.85	217.97	221.64	224.27	228.58	232.27	235.90	240.24	243.45	246.71	249.08	253.78	256.28	257.81	259.17	260.40	261.89	264.29	266.32	268.81	269.96	1.2%	
Transportation	2.32	2.35	2.41	2.47	2.54	2.65	2.77	3.38	3.95	4.45	4.91	5.29	5.66	6.03	6.38	6.69	6.96	7.19	7.43	7.66	7.89	8.11	8.32	8.52	8.72	5.7%	
Total Sales	486.52	490.22	505.09	509.81	517.83	529.17	536.27	542.88	551.00	559.24	567.08	575.68	583.27	590.89	597.63	607.00	614.01	619.54	624.80	629.61	634.73	640.39	645.47	650.99	654.93	1.2%	
Net Energy for Load (billion kilowatthours) 7/																											
Gross International Imports	1.41	1.71	1.13	1.43	1.93	1.93	2.11	2.02	2.49	2.70	2.32	2.25	2.20	2.30	2.17	2.37	2.41	2.51	2.29	2.90	3.09	2.99	3.28	3.13	2.95	3.1%	
Gross International Exports	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.2%	
Gross Interregional Electric Imports	7.02	7.68	6.66	5.86	5.85	5.85	5.85	5.85	8.65	8.65	8.65	8.65	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	8.64	0.9%	
Gross Interregional Electric Exports	39.30	46.07	43.92	47.44	39.51	41.04	36.87	42.99	37.13	37.46	38.03	39.06	40.67	45.25	47.21	46.47	50.22	51.75	52.67	53.52	58.20	58.18	56.56	56.29	58.42	1.7%	
Purchases from cogenerators 6/	10.21	10.25	10.26	10.26	10.27	10.28	10.29	10.30	10.31	10.32	10.34	10.35	10.36	10.37	10.38	10.39	10.40	10.40	10.39	10.38	10.38	10.37	10.36	10.36	10.35	0.1%	
Generation by Utilities	525.36	529.50	538.21	541.82	548.96	563.09	563.30	564.99	565.99	568.36	573.32	580.06	578.82	580.60	580.43	583.86	584.53	583.19	585.81	576.90	578.70	573.38	565.29	567.47	567.98	0.3%	
Total Net Energy for Load	504.66	503.03	512.30	511.89	527.45	540.07	544.64	540.14	550.27	552.53	556.54	562.20	559.31	556.62	554.36	558.75	555.73	552.94	554.43	545.27	542.57	537.16	530.98	533.28	531.46	0.2%	

Table 58. Electric Power and Projections for the EMM Region 01 - East Central Area Reliability Coordination Agreement																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Generation by Fuel Type (billion kilowatthours)																										
Coal	471.16	477.65	487.15	488.23	494.96	508.84	510.67	512.10	512.94	515.27	519.93	526.15	530.14	531.78	531.43	534.93	535.76	534.59	535.56	534.09	535.44	538.68	541.80	543.97	544.47	0.6%
Petroleum	1.63	1.49	1.09	1.10	1.11	1.15	1.15	1.15	1.15	1.16	1.17	1.19	1.21	1.21	1.21	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.23	1.24	1.24	-1.1%
Natural Gas	2.58	24.02	28.32	30.94	21.07	20.03	20.75	31.90	29.92	35.88	39.78	42.79	53.30	63.63	72.62	77.64	87.64	95.75	99.27	113.08	121.21	132.59	144.15	147.68	153.66	18.6%
Nuclear	51.21	46.35	48.49	50.90	51.23	51.64	51.90	52.17	52.44	52.64	52.91	53.44	48.18	48.30	48.48	48.48	48.30	48.18	49.92	42.48	42.90	34.34	23.10	23.10	23.10	-3.3%
Pumped Storage/Other 3/ ..	-1.28	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-0.65	-2.8%
Renewable 4/	5.93	7.14	6.52	9.09	11.63	11.63	11.63	11.63	11.63	11.66	11.70	11.73	11.77	11.80	11.83	11.86	11.88	11.90	11.92	11.94	11.96	11.97	11.97	11.98	11.98	3.0%
Total Generation	531.24	556.00	570.91	579.61	579.36	592.64	595.46	608.32	607.44	615.96	624.84	634.65	643.95	656.07	664.92	673.47	684.15	690.99	697.25	702.17	712.08	718.15	721.62	727.33	733.82	1.4%
Sales to Customers	526.53	551.27	566.16	574.86	574.62	587.89	590.71	603.57	602.70	611.21	620.09	629.90	639.20	651.33	660.17	668.72	679.40	686.24	692.50	697.42	707.33	713.40	716.87	722.58	729.07	1.4%
Generation for Own Use	4.70	4.73	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	0.0%
Cogenerators																										
Coal	6.80	6.83	6.07	6.10	6.14	6.19	6.25	6.27	6.32	6.37	6.42	6.46	6.50	6.54	6.57	6.59	6.61	6.60	6.59	6.58	6.57	6.57	6.56	6.55	6.53	-0.2%
Petroleum	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.29	0.29	0.29	0.3%
Natural Gas	12.11	12.18	12.14	12.39	12.45	12.52	12.59	12.64	12.69	12.76	12.82	12.89	12.96	13.03	13.09	13.15	13.20	13.21	13.14	13.08	13.02	12.97	12.92	12.88	12.83	0.2%
Other Gaseous Fuels	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.0%
Renewable	1.12	1.12	1.12	1.12	1.13	1.13	1.13	1.13	1.14	1.14	1.14	1.14	1.15	1.15	1.15	1.15	1.15	1.15	1.14	1.14	1.14	1.14	1.14	1.13	1.13	0.0%
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	20.83	20.93	20.13	20.42	20.51	20.64	20.77	20.85	20.96	21.08	21.20	21.31	21.42	21.53	21.63	21.71	21.78	21.79	21.70	21.63	21.56	21.50	21.43	21.39	21.31	0.1%
Sales to Utilities	10.21	10.25	10.26	10.26	10.27	10.28	10.29	10.30	10.31	10.32	10.34	10.35	10.36	10.37	10.38	10.39	10.40	10.40	10.39	10.38	10.38	10.37	10.36	10.36	10.35	0.1%
Generation for Own Use	12.95	13.07	12.69	13.30	13.44	13.61	13.78	13.90	14.03	14.20	14.36	14.52	14.68	14.84	14.97	15.10	15.20	15.21	15.05	14.90	14.77	14.65	14.51	14.44	14.31	0.4%
End-Use Prices 8/ (1996 cents per kilowatthour)																										
Residential	7.7	7.6	7.6	7.6	7.6	7.4	7.3	7.3	7.2	7.2	7.1	7.0	7.0	6.9	6.9	6.7	6.6	6.5	6.5	6.5	6.4	6.3	6.2	6.2	6.1	-0.9%
Commercial	7.0	6.9	6.9	6.9	6.8	6.7	6.6	6.5	6.5	6.4	6.4	6.3	6.2	6.2	6.1	6.0	5.8	5.7	5.7	5.6	5.6	5.5	5.4	5.4	5.3	-1.1%
Industrial	4.2	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.4	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.0	3.0	-1.4%
Transportation	4.6	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.1	3.9	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.6	-1.1%
All Sectors Average	6.1	5.9	5.9	5.9	5.9	5.8	5.7	5.6	5.6	5.5	5.5	5.4	5.3	5.3	5.3	5.1	5.0	4.9	4.9	4.9	4.8	4.8	4.7	4.6	4.6	-1.1%
Fuel Consumption (quadrillion Btu) 9/																										
Coal	4.79	4.79	4.86	4.87	4.94	5.09	5.11	5.12	5.13	5.16	5.20	5.27	5.31	5.32	5.32	5.35	5.36	5.35	5.36	5.34	5.36	5.39	5.43	5.45	5.46	0.5%
Natural Gas	0.05	0.29	0.34	0.37	0.25	0.24	0.25	0.36	0.32	0.37	0.40	0.42	0.49	0.57	0.62	0.64	0.72	0.77	0.77	0.85	0.90	0.97	1.05	1.08	1.12	13.7%
Oil	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-3.6%
Total	4.88	5.09	5.20	5.25	5.20	5.34	5.37	5.50	5.47	5.54	5.62	5.69	5.81	5.90	5.95	6.00	6.09	6.13	6.13	6.20	6.27	6.38	6.49	6.54	6.59	1.3%

Table 58. Electric Power and Projections for the EMM Region 01 - East Central Area Reliability Coordination Agreement																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Emissions (million short tons)10/																										
Total Carbon	121.30	127.61	129.99	130.73	130.88	134.69	135.63	137.59	137.29	138.86	140.78	142.72	144.98	146.61	147.31	149.42	150.86	151.70	153.02	154.32	155.80	157.75	160.29	161.36	162.35	1.2%
Carbon Dioxide	444.77	467.90	476.64	479.34	479.89	493.85	497.32	504.51	503.41	509.14	516.18	523.31	531.57	537.58	540.15	547.86	553.14	556.21	561.07	565.85	571.25	578.41	587.74	591.66	595.29	1.2%
Sulfur Dioxide	3.37	3.25	3.37	3.27	3.20	3.28	3.26	3.27	3.23	3.14	3.06	3.05	2.98	2.87	2.88	2.74	2.70	2.67	2.69	2.68	2.63	2.64	2.64	2.68	2.72	-0.9%
Nitrogen Oxide	1.53	1.72	1.73	1.74	1.36	1.40	1.40	1.40	1.40	1.41	1.43	1.45	1.46	1.47	1.47	1.48	1.48	1.48	1.48	1.48	1.49	1.50	1.52	1.52	1.53	-0.0%

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, 1989.

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/ Prices represent average revenue per kilowatthour.

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

10/ Estimated emissions from utilities and nonutilities (excluding cogenerators).

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1996 (except for prices): Energy Information Administration (EIA), Annual Energy Review 1996, DOE/EIA-0384(96) (Washington, D.C., July 1997). Prices and all projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 59. Electric Power and Projections for the EMM Region 02 - Electric Reliability Council of Texas																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Cumulative Retirements . . .	0.37	0.48	0.86	1.10	2.30	2.33	3.01	4.30	4.36	4.47	4.57	4.64	4.85	4.97	5.07	5.17	5.19	5.37	5.44	5.75	5.75	5.75	5.75	5.75	5.97	12.3%	
Cogenerators 6/																											
Capacity																											
Coal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Petroleum	0.21	0.21	0.21	0.21	0.21	0.21	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	0.22	0.22	0.22	0.22	0.2%
Natural Gas	6.22	6.33	6.45	7.01	7.07	7.16	7.25	7.31	7.37	7.45	7.54	7.62	7.70	7.78	7.86	7.93	7.98	8.00	7.92	7.85	7.78	7.72	7.66	7.62	7.56	0.8%	
Other Gaseous Fuels	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	0.06	0.06	-0.1%
Renewables	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	0.03	0.5%
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Total	6.51	6.62	6.75	7.31	7.37	7.46	7.54	7.60	7.67	7.75	7.83	7.92	8.00	8.08	8.16	8.23	8.29	8.30	8.22	8.15	8.08	8.02	7.96	7.93	7.86	0.8%	
Electricity Demand (billion kilowatthours)																											
Residential	83.40	82.06	86.43	87.05	89.58	92.44	93.82	95.15	96.34	97.87	99.42	100.94	102.55	104.18	105.86	107.85	109.66	111.31	112.97	114.56	116.24	117.89	119.59	121.21	122.79	1.6%	
Commercial/Other	72.46	72.09	74.81	76.21	77.53	78.78	80.02	81.26	82.56	83.93	85.32	86.66	88.06	89.46	90.82	92.27	93.71	95.00	96.22	97.36	98.33	99.19	99.95	100.59	101.12	1.4%	
Industrial	73.78	75.13	76.13	78.12	79.13	80.86	82.53	83.88	85.66	87.28	88.96	90.70	92.29	93.98	95.57	97.35	98.81	99.78	100.36	101.31	102.10	103.11	104.15	105.27	106.12	1.5%	
Transportation	0.94	0.96	0.99	1.02	1.05	1.11	1.16	1.41	1.65	1.86	2.06	2.23	2.39	2.55	2.71	2.85	2.98	3.09	3.20	3.31	3.42	3.53	3.63	3.73	3.83	6.0%	
Total Sales	230.59	230.25	238.36	242.40	247.30	253.19	257.53	261.71	266.21	270.94	275.75	280.53	285.29	290.17	294.95	300.32	305.15	309.17	312.75	316.54	320.09	323.72	327.32	330.80	333.86	1.6%	
Net Energy for Load (billion kilowatthours) 7/																											
Gross International Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.24	0.24	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	4.4%	
Gross Interregional Electric Imports																											
Gross Interregional Electric Imports	1.45	1.06	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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																											
Gross Interregional Electric Exports	0.00	0.18	0.40	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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/																											
Purchases from Cogenerators 6/	15.82	16.79	16.79	16.78	16.82	16.88	16.93	16.98	17.03	17.08	17.14	17.19	17.24	17.30	17.35	17.39	17.42	17.44	17.40	17.37	17.34	17.31	17.28	17.26	17.22	0.4%	
Generation by Utilities	220.33	228.06	231.31	231.27	225.55	230.11	228.57	212.28	196.41	199.16	205.00	204.16	199.90	196.75	192.96	191.07	187.61	187.50	183.31	180.87	177.46	178.18	181.55	180.43	180.92	-0.8%	
Total Net Energy for Load .	237.37	245.50	247.81	247.61	242.07	246.66	245.15	228.87	213.02	215.79	221.65	220.82	216.58	213.43	209.63	207.79	204.36	204.27	200.04	197.57	194.13	194.82	198.16	197.02	197.48	-0.8%	

Table 59. Electric Power and Projections for the EMM Region 02 - Electric Reliability Council of Texas																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Generation by Fuel Type (billion kilowatthours)																										
Coal	102.25	104.72	108.30	108.30	112.98	115.33	115.23	115.03	114.00	114.22	123.61	124.81	124.77	124.39	124.37	123.78	124.34	125.33	125.12	124.92	124.55	124.58	125.83	126.93	126.93	0.9%
Petroleum	2.59	15.96	0.59	0.57	0.51	0.53	0.52	0.44	0.37	0.38	0.36	0.35	0.33	0.32	0.30	0.29	0.27	0.27	0.25	0.24	0.22	0.22	0.24	0.23	0.23	-9.6%
Natural Gas	82.20	79.09	92.91	95.19	95.43	98.35	102.33	107.78	114.30	118.71	114.40	118.16	123.31	128.79	133.90	139.97	144.53	147.61	151.68	155.84	160.14	163.93	166.34	169.07	172.27	3.1%
Nuclear	35.77	30.08	31.93	33.82	34.45	35.08	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	35.71	35.71	35.71	35.71	-0.0%
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable 4/	0.91	2.05	1.90	2.15	2.15	2.16	2.19	2.22	2.25	2.30	2.34	2.39	2.43	2.47	2.51	2.54	2.58	2.61	2.63	2.66	2.69	2.71	2.73	2.75	2.76	4.7%
Total Generation	223.72	231.90	235.62	240.03	245.53	251.45	255.98	261.18	266.63	271.33	276.43	281.42	286.55	291.69	296.79	302.30	307.43	311.52	315.40	319.37	323.32	327.15	330.84	334.69	337.90	1.7%
Sales to Customers	220.44	228.61	232.33	236.75	242.25	248.17	252.70	257.90	263.35	268.04	273.15	278.14	283.26	288.40	293.51	299.02	304.15	308.24	312.11	316.09	320.04	323.87	327.56	331.41	334.62	1.8%
Generation for Own Use	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	N/A
Cogenerators																										
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	0.00	N/A
Petroleum	1.15	1.15	1.15	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	0.0%
Natural Gas	42.74	44.26	43.92	46.13	46.62	47.27	47.87	48.31	48.82	49.41	50.00	50.60	51.20	51.84	52.39	52.94	53.37	53.49	52.87	52.30	51.80	51.31	50.83	50.55	50.07	0.7%
Other Gaseous Fuels	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	0.16	0.0%
Renewable	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	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.1%
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	44.25	45.77	45.43	47.65	48.14	48.79	49.39	49.83	50.34	50.94	51.52	52.13	52.73	53.37	53.92	54.47	54.90	55.02	54.40	53.82	53.33	52.84	52.35	52.07	51.59	0.6%
Sales to Utilities	15.82	16.79	16.79	16.78	16.82	16.88	16.93	16.98	17.03	17.08	17.14	17.19	17.24	17.30	17.35	17.39	17.42	17.44	17.40	17.37	17.34	17.31	17.28	17.26	17.22	0.4%
Generation for Own Use	28.54	28.80	27.97	29.31	29.61	30.00	30.37	30.62	30.93	31.29	31.65	31.99	32.34	32.69	32.99	33.28	33.50	33.52	33.16	32.84	32.56	32.28	31.99	31.81	31.53	0.4%
End-Use Prices 8/ (1996 cents per kilowatthour)																										
Residential	7.9	7.8	7.6	7.5	7.5	7.4	7.3	7.3	7.2	7.2	7.1	7.1	7.0	6.9	6.9	6.7	6.6	6.5	6.4	6.3	6.3	6.2	6.2	6.1	6.1	-1.0%
Commercial	6.6	6.8	6.4	6.4	6.2	6.1	6.1	6.0	6.0	5.9	5.8	5.8	5.8	5.7	5.7	5.5	5.4	5.3	5.2	5.2	5.1	5.1	5.0	5.0	5.0	-1.2%
Industrial	4.0	4.1	3.8	3.8	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.3	3.2	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.9	2.9	-1.4%
Transportation	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.4	3.3	3.2	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	-1.1%
All Sectors Average	6.2	6.3	6.0	6.0	5.9	5.8	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.2	5.1	5.0	4.9	4.9	4.8	4.8	4.8	4.7	4.7	-1.1%
Fuel Consumption (quadrillion Btu) 9/																										
Coal	1.10	1.12	1.15	1.15	1.22	1.24	1.24	1.24	1.23	1.23	1.34	1.36	1.36	1.35	1.35	1.34	1.35	1.36	1.36	1.36	1.35	1.35	1.37	1.38	1.38	1.0%
Natural Gas	0.86	0.81	0.96	0.98	0.95	0.98	1.00	1.00	0.99	1.03	0.98	1.00	1.03	1.05	1.06	1.10	1.11	1.12	1.13	1.15	1.16	1.19	1.21	1.22	1.24	1.5%
Oil	0.01	0.16	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	-4.0%
Total	1.97	2.09	2.12	2.14	2.17	2.23	2.25	2.24	2.22	2.26	2.33	2.36	2.39	2.40	2.42	2.45	2.46	2.49	2.49	2.51	2.52	2.54	2.58	2.60	2.62	1.2%

Table 59. Electric Power and Projections for the EMM Region 02 - Electric Reliability Council of Texas																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Emissions (million short tons)10/																										
Total Carbon	42.09	45.18	45.18	45.43	46.62	47.77	48.12	48.01	47.51	48.27	50.60	51.23	51.63	51.89	52.12	52.74	53.06	53.78	54.22	54.59	54.74	55.13	56.00	56.54	56.91	1.3%
Carbon Dioxide	154.34	165.66	165.64	166.56	170.93	175.14	176.43	176.04	174.22	176.97	185.53	187.86	189.30	190.27	191.09	193.37	194.55	197.19	198.81	200.15	200.71	202.12	205.32	207.31	208.65	1.3%
Sulfur Dioxide	0.28	0.34	0.32	0.32	0.33	0.33	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.32	0.32	0.31	0.32	0.32	0.31	0.31	0.31	0.30	0.30	0.30	0.30	0.30
Nitrogen Oxide	0.45	0.53	0.55	0.55	0.43	0.43	0.43	0.41	0.39	0.39	0.38	0.38	0.37	0.37	0.36	0.36	0.36	0.36	0.35	0.35	0.34	0.34	0.35	0.35	0.35	-1.0%

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, 1989.

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/ Prices represent average revenue per kilowatthour.

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

10/ Estimated emissions from utilities and nonutilities (excluding cogenerators).

EMM = Electricity market module.
N/A = Not applicable.

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

Sources: 1996 (except for prices): Energy Information Administration (EIA), Annual Energy Review 1996, DOE/EIA-0384(96) (Washington, D.C., July 1997). Prices and all projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 60. Electric Power and Projections for the EMM Region 03 - Mid-Atlantic Area Council																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Cumulative Retirements . . .	1.42	1.66	2.73	4.31	5.84	8.07	9.69	9.69	9.69	9.74	10.83	11.87	11.90	12.69	12.69	12.69	12.69	12.69	13.52	13.52	15.47	15.47	15.47	15.47	16.57	10.8%	
Cogenerators 6/ Capacity																											
Coal	1.09	1.09	1.10	1.10	1.11	1.11	1.12	1.12	1.12	1.13	1.13	1.13	1.14	1.14	1.14	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.14	1.14	1.14	0.2%
Petroleum	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.24	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	0.7%
Natural Gas	2.21	2.23	2.25	2.35	2.36	2.38	2.39	2.40	2.41	2.43	2.44	2.46	2.47	2.48	2.50	2.51	2.52	2.52	2.51	2.50	2.49	2.47	2.46	2.46	2.45	0.4%	
Other Gaseous Fuels	0.26	0.26	0.26	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	-0.1%	
Renewables	0.20	0.20	0.21	0.21	0.21	0.21	0.21	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	0.21	0.21	0.21	0.3%	
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Total	3.97	3.99	4.05	4.14	4.16	4.18	4.20	4.22	4.24	4.26	4.28	4.30	4.32	4.34	4.36	4.38	4.39	4.39	4.38	4.36	4.35	4.34	4.33	4.32	4.31	0.3%	
Electricity Demand (billion kilowatthours)																											
Residential	83.25	81.91	86.26	87.64	90.50	93.36	94.55	95.78	96.84	98.31	99.65	100.90	102.21	103.61	105.05	106.50	107.90	109.22	110.53	111.70	112.97	114.17	115.34	116.57	117.78	1.5%	
Commercial/Other	78.99	79.73	80.83	81.51	82.06	82.67	83.20	83.81	84.49	85.17	85.83	86.44	87.07	87.72	88.34	88.99	89.61	90.16	90.62	91.00	91.28	91.53	91.64	91.70	91.69	0.6%	
Industrial	70.30	71.55	72.19	73.25	73.99	75.30	76.75	77.70	79.18	80.61	82.06	83.39	84.52	85.59	86.40	87.60	88.19	88.67	88.96	89.45	89.67	90.16	90.53	91.08	91.46	1.1%	
Transportation	1.42	1.43	1.47	1.51	1.54	1.61	1.69	2.06	2.41	2.72	3.00	3.24	3.46	3.69	3.90	4.10	4.26	4.41	4.55	4.70	4.84	4.97	5.11	5.23	5.36	5.7%	
Total Sales	233.95	234.62	240.75	243.91	248.09	252.95	256.19	259.35	262.92	266.81	270.54	273.96	277.26	280.60	283.68	287.19	289.96	292.45	294.66	296.85	298.76	300.83	302.62	304.58	306.28	1.1%	
Net Energy for Load (billion kilowatthours) 7/																											
Gross International Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	N/A	
Gross Interregional Electric Imports	27.25	33.31	29.77	28.85	25.55	24.20	18.60	18.34	17.50	17.17	18.10	17.55	16.70	18.57	18.49	18.09	18.84	18.30	17.42	17.57	18.70	19.16	18.04	18.56	18.13	-1.7%	
Gross Interregional Electric Exports	10.70	9.33	9.32	9.23	9.60	7.65	7.82	8.07	10.36	10.49	10.47	10.42	10.59	10.51	10.85	11.50	11.37	12.07	11.64	12.18	12.67	12.55	12.92	13.43	13.05	0.8%	
Purchases from Cogenerators 6/	12.50	12.64	12.69	12.68	12.71	12.75	12.79	12.82	12.85	12.89	12.93	12.97	13.00	13.04	13.07	13.10	13.13	13.14	13.11	13.09	13.07	13.05	13.03	13.01	12.99	0.2%	
Generation by Utilities	198.87	200.61	203.81	205.40	203.73	201.52	197.35	195.00	194.91	194.67	194.92	187.45	181.03	178.34	177.00	177.69	177.32	176.50	175.31	170.13	170.55	159.65	160.40	160.69	159.17	-0.9%	
Total Net Energy for Load .	227.91	237.22	236.95	237.70	232.40	230.82	220.92	218.09	214.90	214.25	215.49	207.55	200.14	199.44	197.71	197.38	197.93	195.86	194.21	188.61	189.64	179.30	178.55	178.83	177.25	-1.0%	

Table 60. Electric Power and Projections for the EMM Region 03 - Mid-Atlantic Area Council																								1996- 2020		
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Generation by Fuel Type (billion kilowatthours)																										
Coal	106.84	102.09	107.99	108.96	108.24	107.45	104.73	103.40	102.95	102.85	103.15	104.05	105.19	105.48	107.48	108.12	108.24	107.79	108.83	108.00	108.83	109.58	110.37	110.57	112.00	0.2%
Petroleum	6.55	6.88	3.15	3.36	2.49	2.06	1.70	1.22	1.23	1.25	1.32	1.09	1.01	1.35	1.18	1.24	1.22	1.11	0.92	0.95	0.95	1.08	1.16	1.10	1.07	-7.3%
Natural Gas	6.48	17.34	21.58	24.78	33.85	39.12	50.93	56.12	63.10	67.49	69.63	80.89	91.63	95.45	100.02	103.86	105.75	110.08	114.01	121.38	122.30	134.95	137.57	139.54	142.60	13.7%
Nuclear	81.33	82.69	86.87	86.52	86.95	87.28	87.49	87.71	87.81	87.81	88.03	79.91	72.33	69.15	66.15	66.07	65.82	65.66	63.41	59.32	58.93	47.02	46.91	46.85	44.27	-2.5%
Pumped Storage/Other 3/	-0.90	-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	-3.7%
Renewable 4/	8.63	8.37	7.67	7.67	7.67	7.70	7.77	7.83	7.89	7.96	8.04	8.12	8.20	8.28	8.35	8.43	8.49	8.56	8.62	8.67	8.72	8.73	8.75	8.76	8.77	0.1%
Total Generation	208.94	217.02	226.90	230.93	238.85	243.25	252.25	255.91	262.62	267.01	269.80	273.70	278.00	279.35	282.82	287.35	289.17	292.83	295.42	297.95	299.36	301.00	304.39	306.47	308.35	1.6%
Sales to Customers	207.39	215.47	225.35	229.38	237.30	241.70	250.70	254.36	261.07	265.46	268.25	272.15	276.45	277.80	281.27	285.80	287.62	291.28	293.87	296.40	297.81	299.45	302.84	304.92	306.80	1.6%
Generation for Own Use	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	N/A
Cogenerators																										
Coal	4.60	4.66	4.44	4.45	4.46	4.48	4.50	4.51	4.53	4.55	4.57	4.58	4.59	4.61	4.62	4.63	4.63	4.63	4.62	4.62	4.62	4.62	4.61	4.61	4.61	0.0%
Petroleum	1.12	1.12	1.12	1.15	1.15	1.16	1.16	1.17	1.17	1.18	1.19	1.19	1.20	1.20	1.20	1.21	1.21	1.21	1.20	1.20	1.20	1.19	1.19	1.19	1.19	0.2%
Natural Gas	11.97	12.09	12.03	12.40	12.48	12.59	12.68	12.76	12.84	12.94	13.04	13.14	13.24	13.34	13.44	13.53	13.60	13.62	13.52	13.42	13.34	13.26	13.18	13.13	13.05	0.4%
Other Gaseous Fuels	1.88	1.89	1.89	1.86	1.87	1.87	1.87	1.87	1.88	1.88	1.88	1.88	1.88	1.88	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	1.89	0.0%
Renewable	1.23	1.23	1.23	1.23	1.23	1.24	1.24	1.24	1.25	1.25	1.25	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.25	1.25	1.25	1.24	1.24	1.24	0.0%
Other	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.2%
Total	20.82	21.00	20.72	21.11	21.21	21.35	21.48	21.57	21.68	21.81	21.94	22.06	22.19	22.32	22.42	22.53	22.61	22.62	22.51	22.41	22.32	22.23	22.14	22.08	21.99	0.2%
Sales to Utilities	12.50	12.64	12.69	12.68	12.71	12.75	12.79	12.82	12.85	12.89	12.93	12.97	13.00	13.04	13.07	13.10	13.13	13.14	13.11	13.09	13.07	13.05	13.03	13.01	12.99	0.2%
Generation for Own Use	6.21	6.27	6.09	6.38	6.45	6.53	6.61	6.67	6.73	6.81	6.89	6.97	7.04	7.12	7.18	7.25	7.29	7.30	7.22	7.15	7.09	7.03	6.97	6.93	6.87	0.4%
End-Use Prices 8/ (1996 cents per kilowatthour)																										
Residential	10.2	9.7	9.7	9.7	9.6	9.6	9.6	9.5	9.4	9.2	9.1	9.1	9.1	9.0	8.9	8.8	8.7	8.6	8.6	8.5	8.5	8.5	8.5	8.4	8.4	-0.8%
Commercial	8.7	8.9	8.4	8.2	8.1	8.0	7.9	7.8	7.7	7.5	7.4	7.4	7.4	7.3	7.2	7.0	6.9	6.8	6.8	6.7	6.5	6.5	6.4	6.4	6.4	-1.3%
Industrial	6.9	6.9	6.6	6.4	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.8	5.8	5.6	5.6	5.4	5.3	5.2	5.2	5.1	5.1	5.0	5.0	5.0	5.0	-1.4%
Transportation	6.2	6.2	6.2	6.1	6.0	6.0	5.9	5.8	5.7	5.7	5.6	5.5	5.5	5.4	5.3	5.2	5.1	5.1	5.1	5.0	5.0	4.9	4.9	4.9	4.8	-1.1%
All Sectors Average	8.7	8.5	8.3	8.2	8.1	8.1	8.0	7.9	7.8	7.6	7.5	7.5	7.5	7.4	7.3	7.2	7.0	7.0	6.9	6.9	6.8	6.8	6.7	6.7	6.7	-1.1%
Fuel Consumption (quadrillion Btu) 9/																										
Coal	1.08	1.02	1.08	1.09	1.10	1.09	1.06	1.05	1.04	1.04	1.04	1.05	1.07	1.07	1.09	1.10	1.10	1.09	1.10	1.09	1.10	1.11	1.12	1.12	1.14	0.2%
Natural Gas	0.07	0.20	0.25	0.28	0.33	0.37	0.42	0.45	0.50	0.53	0.54	0.63	0.70	0.72	0.75	0.77	0.78	0.81	0.84	0.88	0.88	0.96	0.98	0.99	1.01	11.8%
Oil	0.08	0.07	0.03	0.03	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	0.01	0.01	-8.1%
Total	1.23	1.30	1.36	1.41	1.46	1.48	1.50	1.51	1.56	1.59	1.60	1.69	1.77	1.80	1.85	1.88	1.89	1.91	1.95	1.98	2.00	2.08	2.11	2.12	2.16	2.4%

Table 60. Electric Power and Projections for the EMM Region 03 - Mid-Atlantic Area Council																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Emissions (million short tons)10/																										
Total Carbon	31.48	32.20	33.52	34.35	35.06	35.28	35.29	35.31	35.89	36.33	36.64	38.05	39.40	39.93	40.85	41.66	41.85	42.19	43.22	43.70	44.06	45.38	46.04	46.25	47.18	1.7%
Carbon Dioxide	115.43	118.07	122.90	125.94	128.55	129.37	129.40	129.47	131.58	133.22	134.34	139.52	144.45	146.41	149.77	152.75	153.46	154.70	158.48	160.23	161.54	166.40	168.81	169.60	172.99	1.7%
Sulfur Dioxide	0.96	0.99	1.09	1.06	0.52	0.54	0.52	0.52	0.51	0.51	0.51	0.50	0.49	0.46	0.49	0.48	0.47	0.45	0.47	0.48	0.45	0.45	0.47	0.48	0.49	-2.8%
Nitrogen Oxide	0.30	0.28	0.29	0.30	0.27	0.26	0.26	0.25	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.28	0.28	0.28	0.29	0.28	0.29	0.29	0.30	0.30	0.30	0.1%

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, 1989.

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/ Prices represent average revenue per kilowatthour.

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

10/ Estimated emissions from utilities and nonutilities (excluding cogenerators).

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1996 (except for prices): Energy Information Administration (EIA), Annual Energy Review 1996, DOE/EIA-0384(96) (Washington, D.C., July 1997). Prices and all projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 61. Electric Power and Projections for the EMM Region 04 - Mid-America Interconnected Network																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Cumulative Retirements . . .	0.36	0.61	1.29	3.12	5.45	6.50	10.77	10.92	11.03	13.17	13.28	13.28	13.85	13.95	14.60	14.60	14.65	15.13	15.22	15.22	15.22	15.22	15.22	15.22	15.22	16.9%	
Cogenerators 6/ Capacity																											
Coal	0.55	0.55	0.56	0.56	0.56	0.57	0.57	0.58	0.58	0.59	0.59	0.60	0.60	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.4%
Petroleum	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.6%
Natural Gas	0.24	0.25	0.25	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.30	0.30	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.31	0.31	0.31	0.30	0.30	0.30	0.9%
Other Gaseous Fuels	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-0.1%
Renewables	0.23	0.23	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.5%
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Total	1.08	1.09	1.13	1.16	1.17	1.18	1.19	1.19	1.20	1.21	1.22	1.23	1.24	1.25	1.26	1.26	1.27	1.27	1.26	1.26	1.25	1.25	1.25	1.24	1.24	0.6%	
Electricity Demand (billion kilowatthours)																											
Residential	65.69	64.63	68.07	68.57	70.39	72.28	72.95	73.61	74.15	75.04	75.84	76.74	77.67	78.59	79.56	80.63	81.66	82.64	83.59	84.51	85.54	86.46	87.41	88.42	89.41	1.3%	
Commercial/Other	73.78	74.74	77.12	78.01	78.77	79.49	80.21	80.91	81.73	82.57	83.33	84.11	84.90	85.68	86.41	87.22	88.02	88.63	89.26	89.81	90.27	90.63	90.89	91.08	91.19	0.9%	
Industrial	84.48	86.47	87.30	88.22	89.03	91.24	92.73	93.79	95.59	97.09	98.56	100.39	101.70	103.03	103.97	105.98	107.02	107.64	108.22	108.68	109.33	110.36	111.23	112.29	112.74	1.2%	
Transportation	1.07	1.08	1.11	1.14	1.17	1.22	1.28	1.56	1.81	2.04	2.25	2.43	2.59	2.76	2.92	3.06	3.18	3.29	3.40	3.50	3.60	3.70	3.79	3.88	3.97	5.6%	
Total Sales	225.02	226.92	233.60	235.94	239.35	244.23	247.16	249.88	253.28	256.75	259.98	263.66	266.87	270.07	272.86	276.89	279.88	282.20	284.46	286.50	288.74	291.15	293.33	295.67	297.31	1.2%	
Net Energy for Load (billion kilowatthours) 7/																											
Gross International Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	N/A
Gross Interregional Electric Imports	22.07	17.65	11.68	12.67	10.82	12.20	13.57	18.67	18.02	18.46	18.66	18.90	19.09	20.11	22.19	23.03	23.70	24.45	25.78	23.68	25.08	24.72	23.37	23.48	25.03	0.5%	
Gross Interregional Electric Exports	16.07	14.84	13.21	13.94	14.73	11.21	11.50	10.16	9.85	9.25	7.46	7.54	7.93	6.98	6.50	6.89	6.23	5.73	4.96	4.88	5.05	5.52	6.24	6.85	7.08	-3.4%	
Purchases from cogenerators 6/	0.18	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	0.21	0.21	0.21	0.21	0.21	0.21	0.5%	
Generation by Utilities	228.55	239.18	250.85	252.79	257.09	249.16	243.44	218.27	217.76	216.15	209.97	210.77	211.47	208.36	208.48	206.68	206.64	204.88	203.67	204.08	204.42	204.69	205.88	206.59	206.95	-0.4%	
Total Net Energy for Load .	234.73	242.19	249.52	251.72	253.38	250.37	245.72	226.99	226.15	225.56	221.37	222.34	222.84	221.70	224.38	223.03	224.32	223.81	224.70	223.09	224.66	224.09	223.21	223.43	225.10	-0.2%	

Table 61. Electric Power and Projections for the EMM Region 04 - Mid-America Interconnected Network																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Generation by Fuel Type (billion kilowatthours)																											
Coal	139.40	143.02	150.67	148.01	151.37	157.08	154.60	159.31	161.84	165.37	168.45	170.63	172.00	173.30	173.88	176.41	176.99	177.93	178.91	180.14	181.73	183.21	185.15	186.31	187.24	1.2%	
Petroleum	0.96	0.94	0.56	0.50	0.54	0.67	0.62	0.40	0.38	0.35	0.46	0.39	0.31	0.31	0.30	0.41	0.47	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	-4.7%
Natural Gas	2.67	2.09	1.74	1.81	3.73	5.66	8.62	8.61	9.88	12.66	18.43	19.93	22.03	25.80	25.35	30.09	31.06	33.38	33.65	36.40	36.01	37.90	40.32	42.16	41.77	12.1%	
Nuclear	86.96	90.89	95.86	100.57	101.35	93.71	95.16	86.95	86.95	83.13	75.39	75.31	75.31	71.44	71.53	67.76	67.76	65.64	64.47	64.47	64.40	64.40	64.32	64.25	64.09	-1.3%	
Pumped Storage/Other 3/ ..	-0.08	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-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%
Renewable 4/	4.29	4.40	3.83	3.83	3.85	3.85	3.85	3.85	3.87	3.90	3.93	3.96	3.99	4.02	4.04	4.06	4.08	4.10	4.11	4.12	4.13	4.14	4.24	4.28	4.32	0.0%	
Total Generation	234.21	241.34	252.65	254.71	260.83	260.97	262.84	259.12	262.90	265.40	266.66	270.21	273.63	274.86	275.09	278.71	280.35	281.34	281.44	285.42	286.55	289.94	294.32	297.29	297.71	1.0%	
Sales to Customers	233.07	240.20	251.52	253.58	259.70	259.84	261.71	257.99	261.77	264.27	265.53	269.08	272.50	273.73	273.96	277.58	279.22	280.21	280.31	284.29	285.42	288.81	293.19	296.16	296.58	1.0%	
Generation for Own Use ...	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	N/A	
Cogenerators																											
Coal	3.23	3.24	2.86	2.88	2.90	2.92	2.95	2.96	2.98	3.01	3.03	3.05	3.07	3.09	3.11	3.12	3.13	3.12	3.12	3.11	3.11	3.11	3.10	3.10	3.09	-0.2%	
Petroleum	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.1%
Natural Gas	1.27	1.30	1.29	1.37	1.39	1.42	1.44	1.46	1.48	1.50	1.52	1.55	1.57	1.59	1.62	1.64	1.65	1.66	1.63	1.61	1.59	1.57	1.55	1.54	1.53	0.8%	
Other Gaseous Fuels	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	0.21	0.21	0.21	0.21	0.0%
Renewable	1.69	1.71	1.72	1.72	1.73	1.74	1.75	1.76	1.76	1.77	1.78	1.79	1.79	1.80	1.80	1.80	1.80	1.79	1.79	1.78	1.77	1.77	1.76	1.75	1.74	0.1%	
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Total	6.65	6.69	6.31	6.42	6.47	6.53	6.59	6.62	6.67	6.73	6.79	6.84	6.89	6.94	6.97	7.01	7.03	7.03	6.99	6.96	6.93	6.90	6.87	6.85	6.81	0.1%	
Sales to Utilities	0.18	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	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.5%
Generation for Own Use ...	8.46	8.54	8.30	8.69	8.78	8.90	9.01	9.08	9.17	9.28	9.39	9.49	9.59	9.70	9.78	9.87	9.94	9.94	9.84	9.74	9.66	9.57	9.49	9.44	9.35	0.4%	
End-Use Prices 8/ (1996 cents per kilowatthour)																											
Residential	9.8	9.8	9.7	9.6	9.5	9.5	9.5	9.7	9.6	9.6	9.7	9.6	9.5	9.5	9.4	9.3	9.1	9.0	8.9	8.8	8.7	8.7	8.6	8.6	8.5	-0.6%	
Commercial	7.7	7.6	7.6	7.6	7.5	7.5	7.4	7.6	7.5	7.5	7.5	7.4	7.3	7.3	7.2	7.2	7.0	7.0	6.8	6.7	6.6	6.6	6.6	6.5	6.5	-0.7%	
Industrial	4.8	4.7	4.6	4.6	4.5	4.5	4.4	4.5	4.4	4.4	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.0	3.9	3.9	3.8	3.8	3.8	3.8	3.8	-1.0%	
Transportation	5.4	5.6	5.5	5.5	5.4	5.3	5.3	5.2	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.8	4.7	4.7	4.6	4.6	4.5	4.5	4.5	4.5	4.4	-0.9%	
All Sectors Average	7.2	7.1	7.1	7.0	7.0	6.9	6.9	7.0	7.0	6.9	6.9	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.2	6.1	6.1	6.1	6.0	-0.7%	
Fuel Consumption (quadrillion Btu) 9/																											
Coal	1.55	1.52	1.59	1.56	1.60	1.66	1.62	1.65	1.67	1.71	1.74	1.76	1.77	1.79	1.79	1.82	1.82	1.83	1.84	1.85	1.87	1.88	1.90	1.92	1.93	0.9%	
Natural Gas	0.04	0.02	0.02	0.02	0.03	0.05	0.07	0.07	0.08	0.10	0.13	0.14	0.16	0.19	0.18	0.21	0.22	0.24	0.24	0.25	0.25	0.27	0.28	0.29	0.29	8.2%	
Oil	0.02	0.01	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	-6.4%	
Total	1.61	1.55	1.62	1.59	1.64	1.71	1.69	1.72	1.75	1.81	1.88	1.91	1.94	1.97	1.97	2.04	2.05	2.07	2.08	2.11	2.12	2.15	2.19	2.21	2.22	1.3%	

Table 61. Electric Power and Projections for the EMM Region 04 - Mid-America Interconnected Network																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Emissions (million short tons)10/																										
Total Carbon	35.64	39.28	41.00	40.27	41.47	43.15	42.42	43.12	43.86	45.14	46.62	47.34	47.95	48.69	48.77	50.27	50.53	51.14	51.76	52.49	52.95	53.50	54.43	54.99	55.30	1.8%
Carbon Dioxide	130.67	144.04	150.34	147.65	152.05	158.23	155.54	158.12	160.80	165.51	170.93	173.57	175.82	178.53	178.83	184.31	185.26	187.50	189.78	192.48	194.16	196.17	199.58	201.62	202.78	1.8%
Sulfur Dioxide	0.77	0.80	0.85	0.82	0.87	0.79	0.75	0.69	0.67	0.66	0.65	0.64	0.64	0.62	0.61	0.60	0.59	0.59	0.58	0.57	0.56	0.55	0.55	0.53	0.54	-1.5%
Nitrogen Oxide	0.46	0.68	0.72	0.70	0.47	0.49	0.46	0.45	0.46	0.47	0.48	0.49	0.49	0.49	0.49	0.50	0.50	0.51	0.51	0.51	0.52	0.52	0.53	0.53	0.54	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, 1989.

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/ Prices represent average revenue per kilowatthour.

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

10/ Estimated emissions from utilities and nonutilities (excluding cogenerators).

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1996 (except for prices): Energy Information Administration (EIA), Annual Energy Review 1996, DOE/EIA-0384(96) (Washington, D.C., July 1997). Prices and all projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 62. Electric Power and Projections for the EMM Region 05 - Mid-Continent Area Power Pool																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Cumulative Retirements . . .	0.61	0.72	1.08	1.34	1.55	1.76	2.14	2.84	3.99	4.02	4.23	4.32	4.42	4.44	5.15	5.17	5.18	5.22	6.81	6.97	7.00	7.00	7.00	7.00	7.00	10.7%	
Cogenerators 6/																											
Capacity																											
Coal	0.50	0.50	0.51	0.52	0.52	0.52	0.53	0.53	0.54	0.54	0.55	0.55	0.55	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	0.4%
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	0.02	0.02	0.8%
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	0.00	0.00	1.1%
Other Gaseous Fuels	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-0.1%
Renewables	0.15	0.15	0.17	0.17	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	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.5%
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Total	0.71	0.71	0.73	0.74	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.78	0.78	0.79	0.79	0.79	0.80	0.80	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.4%
Electricity Demand (billion kilowatthours)																											
Residential	49.48	48.68	51.27	52.24	53.62	55.05	55.60	56.13	56.62	57.31	57.94	58.62	59.33	60.05	60.79	61.63	62.42	63.14	63.88	64.67	65.51	66.22	66.96	67.71	68.45	1.4%	
Commercial/Other	35.75	36.46	37.84	38.40	38.94	39.40	39.85	40.31	40.84	41.42	41.92	42.43	42.96	43.46	43.91	44.46	44.97	45.39	45.78	46.19	46.51	46.77	46.96	47.11	47.22	1.2%	
Industrial	54.12	55.44	55.94	56.39	56.87	58.31	59.22	59.85	60.97	61.90	62.79	63.94	64.72	65.51	66.01	67.29	67.89	68.23	68.59	68.82	69.20	69.84	70.36	71.02	71.25	1.2%	
Transportation	0.69	0.70	0.72	0.74	0.76	0.80	0.84	1.02	1.19	1.34	1.47	1.59	1.70	1.81	1.91	2.01	2.09	2.16	2.23	2.30	2.36	2.43	2.49	2.55	2.61	5.7%	
Total Sales	140.04	141.28	145.77	147.77	150.19	153.56	155.50	157.31	159.62	161.96	164.12	166.58	168.71	170.83	172.62	175.39	177.37	178.91	180.48	181.98	183.58	185.27	186.77	188.38	189.53	1.3%	
Net Energy for Load (billion kilowatthours) 7/																											
Gross International Imports	8.66	7.52	8.49	10.61	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	2.00	-5.9%
Gross International Exports	2.12	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	1.99	1.99	-0.3%
Gross Interregional Electric Imports	4.04	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	1.84	-3.2%
Gross Interregional Electric Exports	9.34	7.87	6.68	6.88	6.88	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	5.62	-2.1%
Purchases from cogenerators 6/	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.5%
Generation by Utilities	156.60	151.40	154.07	153.90	158.86	160.04	160.09	159.32	157.27	157.89	157.33	158.95	159.17	159.48	158.45	155.30	156.31	155.00	153.31	144.92	144.88	144.91	144.95	144.98	144.98	-0.3%	
Total Net Energy for Load	157.94	152.92	155.97	157.52	158.44	160.92	160.78	160.03	157.99	154.23	153.67	155.30	155.52	155.82	154.80	151.65	152.66	151.35	149.67	141.27	141.23	141.26	141.30	141.32	141.32	-0.5%	

Table 62. Electric Power and Projections for the EMM Region 05 - Mid-Continent Area Power Pool																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Generation by Fuel Type (billion kilowatthours)																										
Coal	109.48	109.40	115.46	114.18	119.04	120.31	119.70	122.91	128.13	129.75	129.28	131.00	131.36	131.78	131.48	131.75	132.86	131.61	133.01	132.73	132.70	132.73	132.76	132.78	132.80	0.8%
Petroleum	0.86	0.85	0.43	0.42	0.43	0.40	0.39	0.38	0.42	0.42	0.42	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	-3.6%
Natural Gas	0.94	3.34	2.43	2.21	3.67	4.33	5.92	8.45	12.92	18.99	21.68	22.56	24.37	26.12	28.92	34.79	35.67	38.44	41.66	51.46	53.19	54.97	56.55	58.25	59.47	18.8%
Nuclear	27.30	25.29	26.38	27.51	27.51	27.51	28.20	24.22	16.80	15.83	15.73	15.64	15.55	15.45	14.69	11.32	11.25	11.19	8.04	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
Renewable 4/	18.72	14.69	13.27	13.98	14.17	14.53	15.03	15.07	15.11	15.18	15.24	15.30	15.36	15.42	15.47	15.52	15.56	15.60	15.63	15.67	15.69	15.71	15.72	15.73	15.74	-0.7%
Total Generation	157.31	153.58	157.97	158.30	164.83	167.08	169.24	171.03	173.38	180.17	182.35	184.86	187.00	189.13	190.91	193.74	195.70	197.19	198.70	200.21	201.94	203.76	205.38	207.13	208.36	1.2%
Sales to Customers	156.88	153.14	157.54	157.86	164.39	166.64	168.80	170.60	172.95	179.73	181.92	184.42	186.56	188.69	190.48	193.31	195.27	196.76	198.27	199.73	201.46	203.28	204.90	206.64	207.88	1.2%
Generation for Own Use ...	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	0.48	0.48	0.48	0.48	0.48	0.48	0.5%
Cogenerators																										
Coal	2.75	2.75	2.43	2.45	2.46	2.48	2.51	2.52	2.54	2.56	2.58	2.60	2.61	2.63	2.64	2.65	2.66	2.66	2.65	2.65	2.64	2.64	2.64	2.63	2.63	-0.2%
Petroleum	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	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%
Natural Gas	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.8%
Other Gaseous Fuels	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	0.15	0.0%
Renewable	0.95	0.95	0.95	0.95	0.96	0.96	0.97	0.97	0.97	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.98	0.98	0.98	0.97	0.97	0.96	0.1%
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	3.94	3.95	3.63	3.64	3.67	3.69	3.72	3.74	3.76	3.79	3.81	3.83	3.86	3.87	3.89	3.90	3.91	3.90	3.89	3.89	3.88	3.87	3.86	3.85	3.84	-0.1%
Sales to Utilities	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.5%
Generation for Own Use ...	5.08	5.13	4.98	5.22	5.27	5.34	5.41	5.45	5.51	5.57	5.64	5.70	5.76	5.82	5.87	5.93	5.96	5.97	5.90	5.85	5.80	5.75	5.70	5.67	5.61	0.4%
End-Use Prices 8/ (1996 cents per kilowatthour)																										
Residential	7.4	6.9	6.9	6.8	6.6	6.5	6.5	6.4	6.4	6.3	6.3	6.3	6.3	6.3	6.3	6.2	6.1	6.1	6.2	6.1	6.0	5.9	5.9	5.9	5.9	-1.0%
Commercial	6.3	6.4	6.3	6.3	6.0	6.0	5.9	5.9	5.9	5.8	5.8	5.7	5.7	5.7	5.8	5.6	5.5	5.6	5.6	5.4	5.4	5.3	5.3	5.3	5.2	-0.7%
Industrial	4.2	4.2	4.0	4.0	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.2	3.2	-1.2%
Transportation	4.5	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.7	3.7	3.7	3.6	3.5	3.5	3.5	3.5	3.4	-1.1%
All Sectors Average	5.9	5.7	5.6	5.6	5.4	5.3	5.3	5.3	5.2	5.1	5.1	5.1	5.1	5.1	5.1	5.0	4.9	4.9	5.0	4.8	4.8	4.7	4.7	4.7	4.7	-1.0%
Fuel Consumption (quadrillion Btu) 9/																										
Coal	1.28	1.17	1.24	1.22	1.27	1.29	1.28	1.32	1.37	1.39	1.39	1.41	1.41	1.42	1.41	1.42	1.43	1.41	1.43	1.43	1.43	1.43	1.43	1.43	1.43	0.5%
Natural Gas	0.02	0.04	0.03	0.03	0.04	0.05	0.06	0.08	0.12	0.16	0.17	0.18	0.19	0.21	0.23	0.26	0.26	0.28	0.31	0.36	0.38	0.38	0.40	0.41	0.42	14.0%
Oil	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-6.0%
Total	1.31	1.23	1.27	1.25	1.32	1.34	1.34	1.40	1.50	1.55	1.57	1.60	1.61	1.63	1.64	1.68	1.70	1.70	1.74	1.80	1.81	1.82	1.83	1.84	1.85	1.4%

Table 62. Electric Power and Projections for the EMM Region 05 - Mid-Continent Area Power Pool																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Emissions (million short tons)10/																										
Total Carbon	29.90	30.71	31.99	31.56	33.17	33.64	33.63	34.80	36.91	37.98	38.17	38.84	39.13	39.46	39.68	40.50	40.91	40.94	42.04	42.89	43.14	43.25	43.57	43.75	43.98	1.6%
Carbon Dioxide	109.63	112.61	117.29	115.72	121.63	123.36	123.33	127.61	135.33	139.26	139.97	142.42	143.48	144.69	145.49	148.50	150.00	150.10	154.16	157.27	158.18	158.59	159.74	160.40	161.26	1.6%
Sulfur Dioxide	0.37	0.37	0.38	0.37	0.39	0.40	0.39	0.41	0.41	0.42	0.41	0.41	0.41	0.41	0.40	0.41	0.41	0.40	0.40	0.40	0.39	0.38	0.38	0.38	0.37	0.0%
Nitrogen Oxide	0.39	0.52	0.55	0.54	0.36	0.36	0.36	0.37	0.39	0.40	0.40	0.40	0.40	0.40	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.42	0.42	0.3%

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, 1989.

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/ Prices represent average revenue per kilowatthour.

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

10/ Estimated emissions from utilities and nonutilities (excluding cogenerators).

EMM = Electricity market module.
N/A = Not applicable.

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

Sources: 1996 (except for prices): Energy Information Administration (EIA), Annual Energy Review 1996, DOE/EIA-0384(96) (Washington, D.C., July 1997). Prices and all projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 63. Electric Power and Projections for the EMM Region 06 - Northeast Power Coordinating Council/New York																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Cumulative Retirements . . .	1.15	1.66	2.19	2.89	3.40	4.55	5.37	9.62	9.62	9.70	9.70	9.70	9.70	10.17	10.17	10.17	10.17	10.17	10.19	11.17	11.17	11.17	11.17	11.17	11.17	9.9%	
Cogenerators 6/																											
Capacity																											
Coal	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.2%
Petroleum	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.8%
Natural Gas	4.83	4.85	4.88	5.01	5.03	5.05	5.07	5.08	5.10	5.11	5.13	5.15	5.17	5.19	5.21	5.22	5.24	5.24	5.22	5.21	5.19	5.18	5.16	5.15	5.14	0.3%	
Other Gaseous Fuels	0.15	0.15	0.15	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	0.15	0.15	0.15	0.15	0.15	0.15	0.15	-0.1%	
Renewables	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.2%	
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	0.00	N/A	
Total	5.49	5.52	5.56	5.68	5.70	5.72	5.75	5.76	5.78	5.80	5.82	5.85	5.87	5.89	5.91	5.93	5.94	5.94	5.92	5.91	5.89	5.88	5.86	5.86	5.84	0.3%	
Electricity Demand (billion kilowatthours)																											
Residential	42.94	42.25	44.50	44.93	46.42	47.92	48.43	48.98	49.43	50.09	50.67	51.20	51.77	52.39	53.02	53.64	54.22	54.79	55.34	55.82	56.36	56.85	57.32	57.82	58.33	1.3%	
Commercial/Other	65.23	65.73	66.28	66.57	66.76	67.01	67.23	67.50	67.85	68.17	68.46	68.71	68.98	69.25	69.51	69.77	70.01	70.19	70.30	70.33	70.30	70.25	70.10	69.92	69.70	0.3%	
Industrial	29.94	30.47	30.69	30.97	31.24	31.73	32.32	32.65	33.24	33.83	34.42	34.91	35.32	35.67	35.87	36.28	36.37	36.48	36.55	36.68	36.66	36.78	36.81	36.93	37.01	0.9%	
Transportation	0.93	0.94	0.96	0.98	1.00	1.05	1.09	1.33	1.56	1.76	1.93	2.08	2.23	2.37	2.50	2.62	2.72	2.81	2.90	2.99	3.07	3.16	3.24	3.31	3.39	5.5%	
Total Sales	139.04	139.39	142.42	143.45	145.42	147.71	149.07	150.47	152.07	153.84	155.49	156.91	158.28	159.67	160.89	162.32	163.33	164.27	165.10	165.82	166.40	167.03	167.46	167.99	168.42	0.8%	
Net Energy for Load (billion kilowatthours) 7/																											
Gross International Imports	17.52	19.83	20.14	17.30	16.89	21.61	23.78	23.66	21.99	20.68	22.59	24.43	23.76	23.69	21.64	19.96	19.15	17.53	16.74	16.57	16.39	16.49	16.20	16.34	16.52	-0.2%	
Gross International Exports	1.69	1.60	1.61	1.63	1.64	1.65	1.66	1.67	1.68	1.70	1.71	1.72	1.73	1.74	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	1.76	0.2%	
Gross Interregional Electric Imports	9.22	9.33	9.31	9.22	9.58	7.65	7.81	8.05	7.56	7.68	7.66	7.56	7.64	7.64	7.92	8.04	8.23	8.57	8.68	9.12	9.69	9.30	9.49	9.88	9.88	0.3%	
Gross Interregional Electric Exports	4.70	5.02	3.05	3.09	3.04	3.05	3.02	3.02	2.55	2.51	2.49	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.53	2.49	2.64	2.51	2.64	2.50	-2.6%	
Purchases from cogenerators 6/	20.29	20.34	20.34	20.33	20.36	20.39	20.42	20.44	20.47	20.50	20.53	20.56	20.59	20.62	20.65	20.67	20.69	20.70	20.68	20.66	20.64	20.63	20.61	20.60	20.58	0.1%	
Generation by Utilities	110.76	104.45	105.57	109.55	108.95	102.46	98.69	96.56	86.14	86.60	86.33	84.75	84.51	84.42	81.59	81.80	81.69	81.90	83.25	77.75	70.51	70.64	70.30	70.59	70.18	-1.9%	
Total Net Energy for Load .	151.40	147.33	150.69	151.68	151.09	147.40	146.02	144.03	131.92	131.24	132.91	133.09	132.29	132.14	127.56	126.24	125.53	124.45	125.11	119.82	112.98	112.66	112.34	113.02	112.91	-1.2%	

Table 63. Electric Power and Projections for the EMM Region 06 - Northeast Power Coordinating Council/New York																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Generation by Fuel Type (billion kilowatthours)																										
Coal	26.65	22.53	25.66	25.76	26.72	25.75	25.22	25.14	24.83	24.92	24.94	25.75	25.78	25.80	25.83	25.94	25.94	25.98	25.86	25.75	25.83	25.85	25.79	25.92	25.77	-0.1%
Petroleum	9.47	9.96	6.34	8.17	7.42	5.56	4.48	3.46	2.17	2.42	2.53	1.35	1.31	1.85	1.72	2.14	2.30	1.97	1.86	1.80	1.82	1.98	2.27	1.93	1.77	-6.7%
Natural Gas	13.37	7.89	12.42	12.61	17.98	20.14	20.29	22.86	32.76	34.99	34.21	34.30	36.34	37.86	43.58	46.00	47.43	49.95	50.21	55.91	63.35	64.30	64.49	64.87	65.33	6.8%
Nuclear	35.23	30.68	32.33	33.80	29.66	29.74	29.74	28.68	23.26	23.20	23.14	23.05	22.94	22.23	19.52	19.44	19.36	19.26	20.64	15.53	8.17	8.17	8.17	8.17	8.17	-5.9%
Pumped Storage/Other 3/ ..	-1.15	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-0.41	-4.2%
Renewable 4/	30.45	37.54	32.76	33.16	33.70	33.85	34.26	35.09	35.50	35.91	36.32	36.32	36.32	36.36	36.40	36.43	36.47	36.50	36.53	36.56	36.58	36.59	36.60	36.61	36.61	0.8%
Total Generation	114.02	108.19	109.10	113.09	115.07	114.62	113.58	114.83	118.11	121.03	120.73	120.37	122.27	123.69	126.63	129.55	131.09	133.25	134.69	135.14	135.35	136.48	136.91	137.08	137.24	0.8%
Sales to Customers	113.58	107.75	108.65	112.65	114.63	114.18	113.14	114.38	117.67	120.59	120.29	119.93	121.83	123.25	126.18	129.11	130.65	132.81	134.25	134.69	134.91	136.03	136.47	136.64	136.80	0.8%
Generation for Own Use ...	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	0.44	N/A
Cogenerators																										
Coal	2.08	2.08	1.97	1.97	1.98	1.99	1.99	2.00	2.00	2.01	2.02	2.02	2.03	2.03	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.04	2.03	2.03	2.03	-0.1%
Petroleum	0.61	0.62	0.61	0.63	0.63	0.63	0.63	0.64	0.64	0.64	0.65	0.65	0.65	0.65	0.65	0.66	0.66	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.2%
Natural Gas	21.04	21.14	21.09	21.42	21.50	21.59	21.68	21.75	21.82	21.91	22.00	22.09	22.18	22.27	22.35	22.44	22.50	22.52	22.43	22.34	22.27	22.19	22.12	22.08	22.01	0.2%
Other Gaseous Fuels	0.91	0.91	0.91	0.90	0.90	0.90	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.0%
Renewable	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.0%
Other	0.38	0.38	0.37	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.40	0.40	0.40	0.40	0.41	0.41	0.41	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.2%
Total	25.54	25.63	25.47	25.81	25.89	26.00	26.11	26.18	26.27	26.38	26.48	26.58	26.68	26.79	26.88	26.97	27.04	27.05	26.95	26.86	26.79	26.71	26.63	26.59	26.51	0.2%
Sales to Utilities	20.29	20.34	20.34	20.33	20.36	20.39	20.42	20.44	20.47	20.50	20.53	20.56	20.59	20.62	20.65	20.67	20.69	20.70	20.68	20.66	20.64	20.63	20.61	20.60	20.58	0.1%
Generation for Own Use ...	3.10	3.13	3.04	3.18	3.22	3.26	3.30	3.33	3.36	3.40	3.44	3.48	3.51	3.55	3.58	3.61	3.64	3.64	3.60	3.57	3.54	3.51	3.47	3.46	3.42	0.4%
End-Use Prices 8/ (1996 cents per kilowatthour)																										
Residential	14.1	13.8	13.5	13.1	12.8	12.5	12.3	12.2	11.9	11.7	11.5	11.6	11.5	11.5	11.5	11.4	11.4	11.3	11.3	11.4	11.4	11.4	11.4	11.6	11.6	-0.8%
Commercial	11.6	11.3	11.2	10.7	10.5	10.3	10.1	9.9	9.6	9.5	9.3	9.4	9.3	9.3	9.3	9.3	9.2	9.2	9.1	9.1	9.2	9.1	9.1	9.1	9.1	-1.0%
Industrial	5.7	5.5	5.3	5.1	5.0	4.9	4.8	4.7	4.5	4.5	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	-1.2%
Transportation	8.6	8.4	8.2	8.0	7.8	7.6	7.5	7.4	7.0	7.0	6.9	6.9	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.6	6.6	6.6	6.7	6.7	-1.0%
All Sectors Average	11.1	10.8	10.6	10.2	10.0	9.8	9.6	9.5	9.2	9.1	8.9	9.0	8.9	8.9	8.9	8.9	8.8	8.8	8.8	8.7	8.8	8.8	8.8	8.8	8.9	-0.9%
Fuel Consumption (quadrillion Btu) 9/																										
Coal	0.29	0.22	0.25	0.25	0.26	0.25	0.25	0.25	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25	-0.6%
Natural Gas	0.16	0.08	0.13	0.13	0.18	0.18	0.17	0.19	0.24	0.26	0.25	0.25	0.27	0.28	0.32	0.33	0.34	0.36	0.36	0.40	0.45	0.45	0.45	0.46	0.46	4.6%
Oil	0.10	0.10	0.07	0.09	0.08	0.06	0.05	0.04	0.02	0.03	0.03	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	-6.9%
Total	0.55	0.41	0.45	0.47	0.52	0.49	0.47	0.47	0.51	0.53	0.52	0.52	0.53	0.55	0.59	0.61	0.62	0.64	0.64	0.67	0.72	0.73	0.73	0.73	0.73	1.2%

Table 63. Electric Power and Projections for the EMM Region 06 - Northeast Power Coordinating Council/New York																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Emissions (million short tons)10/																										
Total Carbon	12.71	11.88	12.52	12.93	13.71	13.11	12.69	12.66	13.08	13.41	13.35	13.36	13.58	13.86	14.43	14.87	15.05	15.32	15.40	15.91	16.70	16.82	16.90	16.93	16.92	1.2%
Carbon Dioxide	46.59	43.55	45.89	47.42	50.28	48.06	46.51	46.42	47.96	49.17	48.96	48.99	49.79	50.80	52.90	54.52	55.17	56.17	56.45	58.35	61.21	61.66	61.96	62.08	62.02	1.2%
Sulfur Dioxide	0.26	0.22	0.25	0.23	0.22	0.22	0.21	0.20	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	-2.3%
Nitrogen Oxide	0.10	0.10	0.10	0.11	0.10	0.09	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	0.09	-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, 1989.

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/ Prices represent average revenue per kilowatthour.

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

10/ Estimated emissions from utilities and nonutilities (excluding cogenerators).

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1996 (except for prices): Energy Information Administration (EIA), Annual Energy Review 1996, DOE/EIA-0384(96) (Washington, D.C., July 1997). Prices and all projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 64. Electric Power and Projections for the EMM Region 07 - Northeast Power Coordinating Council/New England																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Cumulative Retirements . . .	1.14	1.86	3.16	3.25	4.15	4.65	6.29	6.47	6.52	7.02	7.02	7.02	7.02	7.02	7.02	7.02	7.04	7.04	7.04	7.92	7.92	7.92	7.92	7.92	7.92	7.92	8.4%
Cogenerators 6/ Capacity																											
Coal	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.1%
Petroleum	0.18	0.18	0.19	0.19	0.19	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	0.22	0.21	0.21	0.21	0.22	0.21	0.22	0.21	0.8%
Natural Gas	1.10	1.11	1.11	1.14	1.14	1.15	1.15	1.16	1.16	1.16	1.17	1.17	1.18	1.18	1.19	1.19	1.19	1.19	1.19	1.19	1.18	1.18	1.18	1.17	1.17	0.3%	
Other Gaseous Fuels	0.27	0.27	0.27	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	0.26	0.26	-0.1%
Renewables	0.42	0.42	0.45	0.45	0.46	0.46	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	0.46	0.46	0.4%
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	0.00	N/A	
Total	2.28	2.29	2.35	2.37	2.38	2.39	2.40	2.40	2.41	2.42	2.43	2.44	2.45	2.46	2.46	2.47	2.47	2.47	2.47	2.46	2.46	2.45	2.45	2.44	2.44	0.3%	
Electricity Demand (billion kilowatthours)																											
Residential	40.87	40.22	42.36	41.20	42.34	43.39	43.72	44.08	44.34	44.76	45.20	45.51	45.89	46.32	46.76	47.20	47.61	48.02	48.44	48.83	49.25	49.68	50.11	50.53	50.96	0.9%	
Commercial/Other	45.37	46.06	46.08	46.38	46.78	47.15	47.54	47.93	48.38	48.74	49.14	49.49	49.83	50.18	50.50	50.83	51.19	51.47	51.72	51.91	52.00	52.10	52.12	52.10	52.06	0.6%	
Industrial	25.04	25.48	25.66	25.90	26.12	26.54	27.03	27.31	27.80	28.29	28.79	29.20	29.54	29.83	30.00	30.34	30.42	30.51	30.57	30.67	30.66	30.76	30.78	30.89	30.95	0.9%	
Transportation	0.78	0.79	0.81	0.83	0.85	0.89	0.93	1.14	1.34	1.51	1.66	1.80	1.92	2.05	2.17	2.28	2.37	2.45	2.53	2.61	2.69	2.76	2.83	2.90	2.97	5.7%	
Total Sales	112.07	112.56	114.91	114.32	116.09	117.96	119.22	120.47	121.86	123.30	124.79	126.00	127.18	128.38	129.43	130.64	131.59	132.45	133.27	134.02	134.60	135.29	135.85	136.43	136.95	0.8%	
Net Energy for Load (billion kilowatthours) 7/																											
Gross International Imports	11.45	12.37	13.68	16.98	10.53	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	2.47	-6.2%
Gross International Exports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Gross Interregional Electric Imports	1.14	1.15	1.11	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	-0.3%
Gross Interregional Electric Exports	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	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
Purchases from cogenerators 6/	9.47	9.55	9.59	9.59	9.61	9.63	9.65	9.66	9.68	9.70	9.72	9.74	9.76	9.78	9.80	9.81	9.82	9.83	9.82	9.80	9.79	9.78	9.77	9.76	9.75	0.1%	
Generation by Utilities	75.30	85.36	86.38	79.49	73.42	71.99	68.76	58.12	56.88	56.55	53.49	53.15	52.42	52.80	51.12	51.69	50.29	50.34	49.16	49.57	45.13	45.03	44.97	44.70	44.59	-2.2%	
Total Net Energy for Load .	97.34	108.42	110.75	107.11	94.62	85.15	81.94	71.31	70.09	69.79	66.74	66.42	65.71	66.11	64.44	65.04	63.65	63.70	62.51	62.91	58.45	58.35	58.27	58.00	57.87	-2.1%	

Table 64. Electric Power and Projections for the EMM Region 07 - Northeast Power Coordinating Council/New England																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Generation by Fuel Type (billion kilowatthours)																											
Coal	17.18	17.65	17.30	17.30	16.57	16.62	16.46	15.51	15.38	15.87	15.57	15.60	15.46	15.36	15.35	15.49	15.34	15.32	15.25	15.15	15.51	15.28	15.34	15.42	15.39	-0.5%	
Petroleum	13.24	18.56	19.90	16.49	11.70	13.47	11.51	8.36	7.49	9.16	8.50	8.27	7.70	8.35	7.33	7.43	7.13	6.84	5.89	6.22	5.83	6.19	6.40	6.09	6.07	-3.2%	
Natural Gas	13.57	12.01	13.93	17.15	29.66	42.02	44.87	54.72	57.05	58.83	62.40	63.71	65.50	66.03	68.04	68.91	70.22	71.29	73.05	73.86	78.78	79.37	79.68	80.52	81.11	7.7%	
Nuclear	30.25	37.81	37.21	33.31	34.49	30.18	30.60	25.89	25.85	23.25	22.02	21.97	21.94	21.91	21.85	21.83	21.77	21.74	21.72	21.33	17.02	17.02	17.02	17.02	17.02	-2.4%	
Pumped Storage/Other 3/ ..	-0.65	-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	-0.26	-0.26	-0.26	-3.7%	
Renewable 4/	15.27	15.94	14.77	14.86	14.94	15.03	15.11	15.31	15.39	15.49	15.59	15.69	15.79	15.89	15.99	16.07	16.16	16.23	16.30	16.37	16.42	16.44	16.46	16.48	16.49	0.3%	
Total Generation	88.86	101.71	102.84	98.85	107.10	117.06	118.30	119.53	120.90	122.34	123.81	124.98	126.13	127.28	128.30	129.47	130.36	131.17	131.95	132.67	133.29	134.04	134.63	135.26	135.82	1.8%	
Sales to Customers	85.08	97.93	99.07	95.07	103.32	113.28	114.52	115.75	117.12	118.56	120.03	121.20	122.35	123.50	124.52	125.69	126.58	127.39	128.17	128.89	129.51	130.26	130.85	131.48	132.05	1.8%	
Generation for Own Use ...	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	3.78	N/A	
Cogenerators																											
Coal	1.48	1.53	1.48	1.49	1.49	1.50	1.50	1.51	1.51	1.52	1.52	1.53	1.53	1.53	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.53	0.1%	
Petroleum	0.67	0.67	0.66	0.68	0.68	0.69	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	0.71	0.71	0.71	0.71	0.71	0.3%	
Natural Gas	8.26	8.29	8.28	8.38	8.40	8.43	8.46	8.48	8.50	8.53	8.55	8.58	8.61	8.64	8.66	8.68	8.70	8.71	8.68	8.66	8.63	8.61	8.59	8.58	8.56	0.1%	
Other Gaseous Fuels	1.25	1.26	1.26	1.24	1.24	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	0.0%	
Renewable	3.30	3.30	3.31	3.32	3.34	3.35	3.37	3.38	3.39	3.41	3.42	3.43	3.44	3.45	3.46	3.46	3.46	3.45	3.43	3.42	3.41	3.40	3.38	3.37	3.35	0.1%	
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Total	14.97	15.04	14.99	15.11	15.16	15.21	15.27	15.30	15.35	15.40	15.46	15.50	15.55	15.59	15.63	15.66	15.68	15.68	15.63	15.60	15.56	15.52	15.48	15.45	15.41	0.1%	
Sales to Utilities	9.47	9.55	9.59	9.59	9.61	9.63	9.65	9.66	9.68	9.70	9.72	9.74	9.76	9.78	9.80	9.81	9.82	9.83	9.82	9.80	9.79	9.78	9.77	9.76	9.75	0.1%	
Generation for Own Use ...	4.50	4.54	4.41	4.62	4.67	4.73	4.79	4.83	4.88	4.93	4.99	5.05	5.10	5.16	5.20	5.25	5.28	5.29	5.23	5.18	5.13	5.09	5.04	5.02	4.97	0.4%	
End-Use Prices 8/ (1996 cents per kilowatthour)																											
Residential	11.0	10.7	10.6	10.2	9.8	9.7	9.6	9.4	9.1	9.2	9.0	9.1	9.1	9.0	9.0	9.0	9.0	9.1	9.1	9.0	9.1	9.0	9.0	9.0	9.1	-0.8%	
Commercial	9.5	9.6	9.2	9.1	8.7	8.5	8.2	8.1	7.8	7.8	7.5	7.6	7.6	7.5	7.5	7.5	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	-1.1%	
Industrial	7.2	7.1	6.9	6.8	6.4	6.2	6.0	5.9	5.7	5.7	5.5	5.5	5.5	5.5	5.5	5.4	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.3	5.3	-1.3%	
Transportation	7.2	7.1	7.0	6.8	6.5	6.5	6.3	6.1	5.9	5.9	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	-0.8%	
All Sectors Average	9.5	9.4	9.2	8.9	8.6	8.4	8.2	8.0	7.8	7.8	7.6	7.6	7.6	7.5	7.6	7.5	7.4	7.5	7.5	7.4	7.5	7.4	7.4	7.4	7.5	-1.0%	
Fuel Consumption (quadrillion Btu) 9/																											
Coal	0.17	0.18	0.17	0.17	0.17	0.16	0.16	0.15	0.15	0.16	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	-0.5%	
Natural Gas	0.11	0.13	0.15	0.19	0.27	0.36	0.38	0.44	0.46	0.47	0.49	0.50	0.52	0.52	0.53	0.54	0.54	0.55	0.56	0.57	0.59	0.59	0.59	0.60	0.60	7.2%	
Oil	0.17	0.19	0.20	0.16	0.12	0.13	0.11	0.08	0.08	0.09	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-4.3%	
Total	0.46	0.49	0.52	0.52	0.55	0.66	0.66	0.68	0.69	0.72	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.77	0.77	0.78	0.80	0.80	0.81	0.81	0.81	2.4%	

Table 64. Electric Power and Projections for the EMM Region 07 - Northeast Power Coordinating Council/New England																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Emissions (million short tons)10/																										
Total Carbon	10.83	11.46	11.89	11.74	11.77	13.41	13.28	13.23	13.30	13.98	14.06	14.16	14.24	14.33	14.39	14.59	14.59	14.70	14.76	14.88	15.29	15.31	15.38	15.46	15.51	1.5%
Carbon Dioxide	39.71	42.01	43.60	43.04	43.15	49.16	48.70	48.52	48.77	51.27	51.57	51.93	52.21	52.54	52.74	53.50	53.51	53.90	54.12	54.54	56.05	56.12	56.41	56.68	56.87	1.5%
Sulfur Dioxide	0.20	0.20	0.21	0.20	0.17	0.18	0.17	0.15	0.14	0.15	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.10	0.10	-2.8%
Nitrogen Oxide	0.07	0.10	0.10	0.10	0.09	0.09	0.09	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.8%

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 EI-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, 1989.

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/ Prices represent average revenue per kilowatthour.

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

10/ Estimated emissions from utilities and nonutilities (excluding cogenerators).

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1996 (except for prices): Energy Information Administration (EIA), Annual Energy Review 1996, DOE/EIA-0384(96) (Washington, D.C., July 1997). Prices and all projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 65. Electric Power and Projections for the EMM Region 08 - Southeastern Electric Reliability Council/Florida																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Cumulative Retirements . . .	0.34	0.34	0.40	0.48	0.59	0.65	0.74	1.14	1.19	1.19	1.27	1.29	1.30	1.30	2.21	2.44	3.43	4.12	4.12	4.12	5.77	6.27	6.27	6.27	6.27	13.0%
Cogenerators 6/ Capacity																										
Coal	0.65	0.65	0.65	0.65	0.65	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	0.1%
Petroleum	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.8%
Natural Gas	1.06	1.06	1.07	1.09	1.10	1.10	1.11	1.11	1.11	1.11	1.12	1.12	1.13	1.13	1.13	1.14	1.14	1.14	1.14	1.13	1.13	1.13	1.12	1.12	1.12	0.2%
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	0.01	-0.1%
Renewables	0.49	0.49	0.52	0.53	0.53	0.53	0.53	0.53	0.54	0.54	0.54	0.54	0.54	0.54	0.55	0.55	0.55	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.53	0.3%
Other	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	0.00	N/A
Total	2.23	2.24	2.28	2.29	2.30	2.31	2.31	2.32	2.32	2.33	2.34	2.34	2.35	2.35	2.36	2.36	2.37	2.37	2.36	2.36	2.35	2.35	2.34	2.34	2.33	0.2%
Electricity Demand (billion kilowatthours)																										
Residential	78.21	76.95	81.04	83.48	86.07	88.68	90.21	91.71	93.12	94.87	96.58	98.22	99.92	101.63	103.43	105.33	107.20	108.93	110.64	112.26	113.93	115.58	117.23	118.90	120.52	1.8%
Commercial/Other	64.93	65.82	67.67	68.94	70.09	71.25	72.25	73.37	74.48	75.68	76.88	78.03	79.23	80.43	81.61	82.85	84.09	85.24	86.34	87.39	88.30	89.17	89.89	90.54	91.09	1.4%
Industrial	14.22	14.48	14.67	15.05	15.25	15.58	15.90	16.16	16.51	16.82	17.14	17.48	17.79	18.11	18.42	18.77	19.05	19.24	19.35	19.53	19.69	19.88	20.09	20.30	20.47	1.5%
Transportation	0.70	0.71	0.73	0.76	0.78	0.82	0.86	1.06	1.24	1.41	1.56	1.69	1.81	1.94	2.06	2.17	2.27	2.36	2.44	2.53	2.62	2.70	2.79	2.87	2.95	6.2%
Total Sales	158.06	157.96	164.12	168.23	172.19	176.33	179.23	182.30	185.35	188.78	192.16	195.41	198.75	202.12	205.52	209.11	212.60	215.76	218.76	221.72	224.54	227.34	229.99	232.61	235.03	1.7%
Net Energy for Load (billion kilowatthours) 7/																										
Gross International Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	N/A
Gross Interregional Electric Imports	24.73	29.85	34.95	30.29	29.39	26.99	27.62	28.01	25.62	24.02	23.73	25.25	26.70	28.99	28.51	25.44	25.55	25.50	25.34	24.52	24.87	23.81	22.15	23.14	23.24	-0.3%
Gross Interregional Electric Exports	3.72	2.03	1.90	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.11	0.08	0.10	0.23	0.32	0.56	0.88	0.92	1.01	-5.3%
Purchases from cogenerators 6/	7.07	7.28	7.38	7.38	7.39	7.40	7.40	7.41	7.41	7.42	7.43	7.44	7.44	7.45	7.46	7.46	7.47	7.47	7.46	7.46	7.46	7.45	7.45	7.45	7.44	0.2%
Generation by Utilities	141.95	132.17	132.88	138.56	139.28	137.93	140.10	132.43	127.89	127.84	128.96	129.13	130.19	131.28	131.31	128.66	126.64	121.40	116.85	116.94	112.95	102.44	101.89	102.22	103.13	-1.3%
Total Net Energy for Load .	170.03	167.27	173.32	175.43	176.06	172.31	175.12	167.85	160.92	159.28	160.12	161.82	164.33	167.73	167.25	161.51	159.55	154.28	149.55	148.69	144.95	133.15	130.61	131.89	132.81	-1.0%

Table 65. Electric Power and Projections for the EMM Region
08 - Southeastern Electric Reliability Council/Florida

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Generation by Fuel Type (billion kilowatthours)																										
Coal	62.41	65.79	68.58	68.77	69.08	76.51	76.79	78.80	82.33	87.00	88.95	89.63	89.82	90.10	91.57	95.16	98.73	102.58	107.77	112.48	116.73	132.05	137.59	139.26	139.73	3.4%
Petroleum	23.17	21.97	19.58	18.37	18.38	16.44	17.43	12.10	10.50	10.09	10.92	9.56	9.66	10.46	10.72	9.82	11.26	9.99	8.82	8.97	8.83	7.34	6.77	7.18	7.43	-4.6%
Natural Gas	31.36	17.94	17.53	25.24	29.07	30.23	31.21	37.27	40.83	41.69	42.66	45.14	46.86	46.94	49.26	53.38	54.23	59.62	61.29	60.40	62.59	61.03	60.45	60.16	62.03	2.9%
Nuclear	25.47	26.71	27.83	28.91	28.91	28.91	28.91	28.88	28.85	28.78	28.71	28.61	28.47	28.37	28.24	28.10	25.68	20.86	18.31	18.22	14.52	6.29	6.29	6.25	6.22	-5.7%
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable 4/	3.83	3.68	3.74	3.82	3.89	3.96	4.03	4.09	4.16	4.23	4.31	4.39	4.47	4.55	4.63	4.70	4.77	4.84	4.90	4.95	5.10	5.33	5.75	5.86	5.87	1.8%
Total Generation	146.25	136.08	137.26	145.12	149.34	156.06	158.38	161.15	166.66	171.79	175.54	177.33	179.29	180.43	184.42	191.17	194.67	197.89	201.09	205.03	207.77	212.05	216.85	218.71	221.27	1.7%
Sales to Customers	145.63	135.47	136.64	144.50	148.72	155.45	157.77	160.53	166.05	171.18	174.93	176.72	178.67	179.81	183.80	190.55	194.06	197.27	200.48	204.42	207.15	211.44	216.24	218.09	220.66	1.7%
Generation for Own Use	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	N/A
Cogenerators																										
Coal	2.83	2.94	2.95	2.95	2.96	2.96	2.97	2.97	2.98	2.99	2.99	3.00	3.00	3.01	3.01	3.01	3.02	3.02	3.01	3.01	3.01	3.01	3.01	3.01	3.01	0.2%
Petroleum	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.3%
Natural Gas	5.54	5.57	5.55	5.66	5.68	5.71	5.74	5.76	5.78	5.81	5.84	5.87	5.90	5.93	5.95	5.98	6.00	6.00	5.97	5.95	5.92	5.90	5.88	5.86	5.84	0.2%
Other Gaseous Fuels	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.0%
Renewable	2.88	2.96	2.97	2.98	2.99	3.00	3.02	3.02	3.03	3.05	3.06	3.07	3.07	3.08	3.08	3.09	3.08	3.08	3.07	3.06	3.05	3.04	3.03	3.02	3.00	0.2%
Other	2.02	2.02	1.98	1.98	2.00	2.02	2.04	2.05	2.07	2.08	2.10	2.12	2.14	2.15	2.16	2.17	2.18	2.17	2.16	2.16	2.15	2.15	2.14	2.14	2.13	0.2%
Total	13.33	13.56	13.50	13.63	13.69	13.76	13.82	13.86	13.92	13.99	14.05	14.11	14.17	14.22	14.27	14.31	14.33	14.32	14.27	14.23	14.19	14.15	14.11	14.08	14.04	0.2%
Sales to Utilities	7.07	7.28	7.38	7.38	7.39	7.40	7.40	7.41	7.41	7.42	7.43	7.44	7.44	7.45	7.46	7.46	7.47	7.47	7.46	7.46	7.46	7.45	7.45	7.45	7.44	0.2%
Generation for Own Use	6.84	6.90	6.70	7.03	7.10	7.19	7.28	7.34	7.41	7.50	7.59	7.67	7.75	7.84	7.91	7.98	8.03	8.03	7.95	7.87	7.80	7.74	7.67	7.63	7.56	0.4%
End-Use Prices 8/ (1996 cents per kilowatthour)																										
Residential	7.8	7.2	7.1	7.1	7.2	7.1	6.9	6.9	6.8	6.8	6.7	6.7	6.7	6.6	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.2	6.1	6.1	6.0	-1.1%
Commercial	6.4	6.8	6.6	6.7	6.5	6.4	6.5	6.4	6.3	6.2	6.1	6.2	6.1	6.1	6.1	6.0	5.9	5.8	5.7	5.7	5.7	5.5	5.5	5.4	5.4	-0.7%
Industrial	4.9	5.1	5.0	5.0	5.0	4.9	4.9	4.8	4.8	4.7	4.6	4.6	4.6	4.5	4.5	4.4	4.3	4.3	4.3	4.2	4.2	4.1	4.0	4.0	4.0	-0.9%
Transportation	3.9	4.1	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.7	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.4	3.4	-0.6%
All Sectors Average	7.0	6.8	6.7	6.7	6.7	6.6	6.5	6.5	6.4	6.4	6.3	6.3	6.2	6.2	6.1	6.0	6.0	6.0	5.9	5.8	5.8	5.7	5.6	5.6	5.6	-0.9%
Fuel Consumption (quadrillion Btu) 9/																										
Coal	0.63	0.67	0.70	0.70	0.71	0.78	0.78	0.80	0.83	0.88	0.90	0.90	0.91	0.91	0.92	0.96	0.99	1.02	1.07	1.11	1.15	1.29	1.34	1.36	1.36	3.3%
Natural Gas	0.29	0.17	0.16	0.25	0.28	0.29	0.30	0.35	0.36	0.37	0.38	0.40	0.42	0.42	0.44	0.46	0.45	0.49	0.50	0.49	0.51	0.49	0.49	0.49	0.50	2.3%
Oil	0.24	0.22	0.19	0.18	0.18	0.16	0.17	0.12	0.10	0.10	0.11	0.09	0.10	0.10	0.11	0.10	0.11	0.10	0.09	0.09	0.09	0.07	0.07	0.07	0.07	-4.8%
Total	1.16	1.06	1.06	1.13	1.16	1.23	1.25	1.27	1.30	1.35	1.38	1.40	1.42	1.43	1.46	1.51	1.55	1.61	1.66	1.69	1.74	1.86	1.90	1.91	1.94	2.2%

Table 65. Electric Power and Projections for the EMM Region 08 - Southeastern Electric Reliability Council/Florida																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Emissions (million short tons)10/																											
Total Carbon	25.49	25.27	25.41	26.37	26.85	28.50	28.99	29.15	29.87	31.13	31.94	32.23	32.60	32.89	33.52	34.69	35.80	37.16	38.53	39.65	40.94	44.14	45.43	45.91	46.35	2.5%	
Carbon Dioxide	93.46	92.65	93.16	96.69	98.46	104.48	106.28	106.89	109.51	114.16	117.12	118.19	119.53	120.58	122.91	127.19	131.28	136.25	141.26	145.39	150.10	161.85	166.57	168.32	169.93	2.5%	
Sulfur Dioxide	0.36	0.35	0.38	0.36	0.36	0.36	0.36	0.34	0.34	0.34	0.34	0.35	0.34	0.34	0.32	0.35	0.35	0.35	0.35	0.34	0.35	0.38	0.41	0.41	0.41	0.41	0.6%
Nitrogen Oxide	0.26	0.31	0.31	0.32	0.26	0.28	0.28	0.27	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.31	0.32	0.33	0.34	0.35	0.35	0.38	0.39	0.40	0.40	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, 1989.

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/ Prices represent average revenue per kilowatthour.

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

10/ Estimated emissions from utilities and nonutilities (excluding cogenerators).

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1996 (except for prices): Energy Information Administration (EIA), Annual Energy Review 1996, DOE/EIA-0384(96) (Washington, D.C., July 1997). Prices and all projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 66. Electric Power and Projections for the EMM Region 09 - Southeastern Electric Reliability Council/Excluding Florida																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Cumulative Retirements . . .	0.50	2.08	3.00	3.11	3.35	3.74	3.81	3.84	4.91	5.20	5.24	5.65	5.76	6.15	7.14	7.61	9.03	12.58	15.76	15.84	18.37	20.83	23.31	23.83	27.05	18.0%	
Cogenerators 6/ Capacity																											
Coal	1.42	1.42	1.45	1.45	1.46	1.47	1.48	1.49	1.50	1.51	1.52	1.53	1.54	1.55	1.56	1.56	1.57	1.57	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	0.4%
Petroleum	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.8%
Natural Gas	1.49	1.50	1.51	1.57	1.57	1.58	1.59	1.60	1.60	1.61	1.62	1.63	1.64	1.65	1.65	1.66	1.67	1.67	1.66	1.65	1.65	1.64	1.63	1.63	1.62	1.62	0.4%
Other Gaseous Fuels	0.08	0.08	0.08	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	-0.1%
Renewables	2.58	2.58	2.81	2.82	2.84	2.85	2.87	2.88	2.89	2.91	2.92	2.93	2.94	2.95	2.96	2.96	2.96	2.95	2.94	2.93	2.92	2.91	2.90	2.89	2.87	0.5%	
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Total	5.62	5.63	5.90	5.97	6.00	6.04	6.08	6.10	6.13	6.17	6.20	6.23	6.26	6.29	6.30	6.32	6.33	6.32	6.30	6.29	6.27	6.25	6.23	6.21	6.19	0.4%	
Electricity Demand (billion kilowatthours)																											
Residential	198.98	195.79	206.20	207.11	213.27	219.48	222.90	226.24	229.47	233.40	237.20	240.90	244.74	248.59	252.62	257.05	261.24	265.08	268.93	272.58	276.36	280.03	283.68	287.42	291.05	1.6%	
Commercial/Other	135.25	137.05	142.83	146.06	148.88	151.73	154.22	157.00	159.75	162.70	165.62	168.43	171.35	174.28	177.11	180.11	183.10	185.79	188.33	190.76	192.84	194.78	196.32	197.71	198.83	1.6%	
Industrial	194.93	198.47	201.07	206.30	208.99	213.56	217.97	221.55	226.24	230.53	234.96	239.58	243.78	248.28	252.48	257.22	261.11	263.67	265.22	267.75	269.86	272.54	275.31	278.29	280.54	1.5%	
Transportation	2.22	2.25	2.32	2.39	2.47	2.59	2.72	3.33	3.90	4.42	4.88	5.28	5.67	6.06	6.43	6.77	7.07	7.33	7.60	7.87	8.12	8.38	8.63	8.88	9.11	6.1%	
Total Sales	531.39	533.57	552.42	561.86	573.61	587.36	597.80	608.12	619.36	631.05	642.67	654.19	665.54	677.20	688.64	701.15	712.51	721.88	730.07	738.95	747.19	755.73	763.94	772.30	779.53	1.6%	
Net Energy for Load (billion kilowatthours) 7/																											
Gross International Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	N/A	
Gross Interregional Electric Imports	32.42	25.43	24.28	24.26	20.29	19.93	19.04	21.69	17.78	18.87	17.58	19.86	21.32	21.45	21.39	23.19	23.34	24.63	24.85	25.19	26.94	28.14	28.50	28.84	29.04	-0.5%	
Gross Interregional Electric Exports	51.88	58.20	58.02	46.71	44.14	39.40	39.63	40.75	36.87	35.95	35.02	36.26	37.42	37.95	38.90	35.45	35.20	35.02	35.63	33.08	32.05	31.32	29.69	29.70	29.70	-2.3%	
Purchases from cogenerators 6/	8.20	8.35	8.39	8.38	8.43	8.48	8.54	8.58	8.62	8.68	8.73	8.78	8.83	8.89	8.93	8.98	9.01	9.02	8.99	8.96	8.93	8.90	8.87	8.85	8.82	0.3%	
Generation by Utilities	585.02	590.35	608.26	606.14	616.53	619.25	623.18	628.80	625.71	625.30	626.64	632.18	634.85	635.65	638.34	635.50	632.07	619.11	603.72	589.60	583.18	560.53	546.20	535.01	525.18	-0.4%	
Total Net Energy for Load .	573.76	565.94	582.92	592.08	601.11	608.27	611.13	618.31	615.24	616.90	617.94	624.57	627.58	628.04	629.77	632.22	629.22	617.74	601.93	590.66	586.99	566.24	553.88	543.00	533.34	-0.3%	

Table 66. Electric Power and Projections for the EMM Region 09 - Southeastern Electric Reliability Council/Excluding Florida																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Emissions (million short tons)10/																										
Total Carbon	90.26	98.22	104.81	102.13	105.85	107.74	109.89	110.94	111.64	114.92	116.55	118.94	120.84	122.43	124.54	126.83	128.48	130.84	133.08	136.60	137.69	138.82	141.00	142.69	143.02	1.9%
Carbon Dioxide	330.94	360.13	384.30	374.49	388.10	395.04	402.94	406.76	409.35	421.36	427.35	436.10	443.08	448.91	456.65	465.04	471.10	479.73	487.97	500.85	504.86	509.00	517.00	523.19	524.41	1.9%
Sulfur Dioxide	2.48	2.42	2.77	2.56	2.38	2.28	2.33	2.34	2.32	2.32	2.29	2.32	2.30	2.22	2.32	2.30	2.37	2.42	2.45	2.46	2.53	2.56	2.53	2.52	2.48	-0.0%
Nitrogen Oxide	0.98	1.18	1.24	1.21	0.96	0.98	0.99	1.00	0.99	1.01	1.02	1.04	1.05	1.05	1.07	1.08	1.08	1.09	1.10	1.12	1.12	1.11	1.11	1.12	1.12	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, 1989.

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/ Prices represent average revenue per kilowatthour.

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

10/ Estimated emissions from utilities and nonutilities (excluding cogenerators).

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1996 (except for prices): Energy Information Administration (EIA), Annual Energy Review 1996, DOE/EIA-0384(96) (Washington, D.C., July 1997). Prices and all projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 67. Electric Power and Projections for the EMM Region 10 - Southwest Power Pool																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Cumulative Retirements . . .	1.52	2.14	2.71	3.38	4.56	4.78	5.14	6.26	6.67	7.44	7.66	7.95	8.03	8.11	8.22	9.03	9.94	11.24	11.78	12.35	12.44	12.98	13.84	13.84	14.38	9.8%	
Cogenerators 6/ Capacity																											
Coal	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.1%
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	0.07	0.07	0.4%
Natural Gas	2.43	2.49	2.55	2.82	2.85	2.89	2.93	2.96	2.99	3.03	3.07	3.11	3.15	3.19	3.23	3.26	3.29	3.30	3.26	3.22	3.19	3.16	3.13	3.12	3.09	1.0%	
Other Gaseous Fuels	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-0.1%	
Renewables	0.85	0.85	0.93	0.93	0.94	0.94	0.95	0.95	0.96	0.96	0.97	0.97	0.97	0.98	0.98	0.98	0.98	0.98	0.98	0.97	0.97	0.97	0.96	0.96	0.96	0.95	0.5%
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Total	4.02	4.07	4.21	4.48	4.52	4.57	4.62	4.65	4.69	4.73	4.78	4.82	4.87	4.91	4.95	4.99	5.01	5.02	4.98	4.94	4.90	4.87	4.84	4.82	4.78	0.7%	
Electricity Demand (billion kilowatthours)																											
Residential	94.61	93.09	98.04	98.79	101.60	104.68	106.12	107.50	108.75	110.38	111.98	113.59	115.29	117.00	118.77	120.86	122.75	124.48	126.24	127.96	129.76	131.49	133.26	134.98	136.67	1.5%	
Commercial/Other	79.10	79.35	82.67	84.24	85.72	87.08	88.42	89.77	91.22	92.76	94.25	95.72	97.23	98.74	100.17	101.75	103.29	104.63	105.90	107.11	108.13	109.02	109.76	110.38	110.88	1.4%	
Industrial	94.16	95.99	97.20	99.46	100.68	102.94	104.97	106.59	108.80	110.79	112.83	115.03	116.94	118.95	120.77	123.03	124.75	125.87	126.59	127.66	128.60	129.86	131.10	132.48	133.43	1.5%	
Transportation	1.15	1.17	1.20	1.24	1.28	1.34	1.40	1.71	2.00	2.26	2.49	2.69	2.88	3.08	3.27	3.44	3.58	3.71	3.85	3.97	4.10	4.23	4.35	4.47	4.58	5.9%	
Total Sales	269.02	269.60	279.11	283.74	289.27	296.05	300.91	305.57	310.77	316.18	321.56	327.03	332.35	337.78	342.99	349.07	354.38	358.70	362.57	366.70	370.60	374.59	378.47	382.30	385.56	1.5%	
Net Energy for Load (billion kilowatthours) 7/																											
Gross International Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	N/A	
Gross Interregional Electric Imports	15.71	18.84	18.68	16.45	15.65	11.18	11.39	9.62	7.36	6.53	4.83	4.43	4.71	3.49	5.04	2.87	3.64	3.31	3.27	3.72	2.79	2.76	4.65	3.57	4.09	-5.5%	
Gross Interregional Electric Exports	13.41	9.16	6.88	8.04	6.89	7.60	6.97	6.78	7.02	7.03	7.14	8.10	7.46	7.29	7.91	7.90	7.83	7.55	7.58	6.98	7.07	6.71	7.07	7.13	7.20	-2.6%	
Purchases from cogenerators 6/	4.58	4.61	4.63	4.63	4.64	4.64	4.64	4.65	4.65	4.65	4.66	4.66	4.66	4.67	4.67	4.67	4.67	4.68	4.67	4.67	4.67	4.67	4.67	4.66	4.66	0.1%	
Generation by Utilities	289.41	276.55	283.79	290.79	286.88	287.38	287.44	282.16	273.74	271.20	268.45	268.54	267.64	266.21	264.58	262.39	256.79	248.27	244.49	239.84	238.18	236.02	233.75	229.11	225.67	-1.0%	
Total Net Energy for Load .	296.29	290.85	300.23	303.83	300.29	295.59	296.51	289.65	278.73	275.36	270.80	269.52	269.55	267.08	266.38	262.02	257.28	248.70	244.85	241.26	238.57	236.74	236.00	230.21	227.22	-1.1%	

Table 67. Electric Power and Projections for the EMM Region 10 - Southwest Power Pool																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Generation by Fuel Type (billion kilowatthours)																											
Coal	168.28	178.33	193.02	192.87	192.07	201.79	201.23	202.66	206.32	208.31	209.30	211.08	211.52	212.14	212.67	212.65	211.73	210.82	212.45	211.67	213.27	212.54	213.75	215.69	214.40	1.0%	
Petroleum	1.89	10.11	5.95	0.49	0.49	0.48	0.51	0.46	0.41	0.40	0.37	0.38	0.38	0.38	0.38	0.37	0.38	0.36	0.33	0.31	0.32	0.31	0.33	0.32	0.32	-7.1%	
Natural Gas	69.60	41.02	36.80	47.31	54.32	56.05	60.57	65.62	70.07	74.61	81.08	86.26	90.31	96.35	100.29	108.86	117.10	125.72	128.16	132.16	135.81	140.46	143.65	151.21	155.55	3.4%	
Nuclear	45.63	40.82	42.69	44.51	44.56	44.56	44.56	44.56	44.56	44.51	44.46	44.41	44.41	44.30	44.20	44.10	41.27	38.11	38.07	38.02	37.98	37.93	36.08	31.81	31.81	-1.5%	
Pumped Storage/Other 3/ ..	-0.08	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-3.2%	
Renewable 4/	6.93	10.58	9.56	9.85	9.88	9.91	9.94	9.98	10.02	10.08	10.13	10.19	10.24	10.29	10.34	10.38	10.42	10.46	10.50	10.53	10.56	10.59	10.61	10.63	10.65	1.8%	
Total Generation	292.25	280.82	287.98	295.00	301.29	312.76	316.77	323.25	331.35	337.87	345.31	352.29	356.82	363.42	367.84	376.31	380.87	385.43	389.47	392.66	397.89	401.79	404.37	409.63	412.69	1.4%	
Sales to Customers	289.11	277.68	284.84	291.86	298.15	309.62	313.63	320.11	328.21	334.73	342.17	349.15	353.68	360.28	364.70	373.17	377.73	382.29	386.33	389.52	394.75	398.65	401.23	406.49	409.55	1.5%	
Generation for Own Use ...	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	3.14	N/A	
Cogenerators																											
Coal	3.21	3.24	3.22	3.22	3.23	3.23	3.23	3.23	3.24	3.24	3.24	3.24	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.25	0.0%	
Petroleum	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.3%	
Natural Gas	19.55	19.92	19.73	20.97	21.24	21.61	21.94	22.19	22.47	22.80	23.13	23.47	23.80	24.16	24.47	24.77	25.02	25.08	24.73	24.41	24.14	23.86	23.59	23.44	23.17	0.7%	
Other Gaseous Fuels	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	0.18	0.18	0.0%	
Renewable	6.74	6.74	6.75	6.79	6.82	6.85	6.89	6.91	6.94	6.98	7.01	7.03	7.05	7.07	7.08	7.09	7.08	7.06	7.03	7.01	6.98	6.95	6.92	6.89	6.85	0.1%	
Other	0.16	0.16	0.15	0.16	0.16	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	0.17	0.17	0.17	0.17	0.17	0.17	0.2%	
Total	29.94	30.35	30.13	31.41	31.72	32.13	32.50	32.77	33.09	33.46	33.83	34.19	34.56	34.93	35.25	35.57	35.81	35.85	35.47	35.13	34.83	34.52	34.21	34.03	33.73	0.5%	
Sales to Utilities	4.58	4.61	4.63	4.63	4.64	4.64	4.64	4.65	4.65	4.65	4.66	4.66	4.66	4.67	4.67	4.67	4.67	4.68	4.67	4.67	4.67	4.67	4.67	4.67	4.66	4.66	0.1%
Generation for Own Use ...	30.48	30.75	29.87	31.30	31.62	32.04	32.43	32.70	33.03	33.42	33.80	34.17	34.53	34.91	35.23	35.54	35.77	35.79	35.41	35.07	34.77	34.47	34.16	33.97	33.67	0.4%	
End-Use Prices 8/ (1996 cents per kilowatthour)																											
Residential	6.8	6.6	6.4	6.3	6.3	6.3	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.1	6.0	6.0	6.0	5.9	5.9	5.9	5.9	5.8	5.8	-0.7%	
Commercial	7.2	7.0	6.7	6.6	6.5	6.4	6.4	6.4	6.3	6.3	6.3	6.3	6.2	6.2	6.2	6.1	6.1	6.0	6.0	5.9	5.9	5.9	5.9	5.8	5.8	-0.9%	
Industrial	3.9	3.9	3.7	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	-1.0%	
Transportation	3.9	4.0	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	-0.9%	
All Sectors Average	5.9	5.7	5.5	5.4	5.4	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.0	5.0	5.0	4.9	4.9	4.9	4.9	4.8	4.8	-0.8%	
Fuel Consumption (quadrillion Btu) 9/																											
Coal	1.78	1.89	2.05	2.05	2.04	2.13	2.12	2.13	2.16	2.18	2.19	2.21	2.21	2.21	2.22	2.22	2.21	2.20	2.21	2.20	2.22	2.21	2.22	2.24	2.22	0.9%	
Natural Gas	0.77	0.43	0.39	0.50	0.54	0.56	0.59	0.62	0.62	0.64	0.67	0.71	0.73	0.77	0.79	0.84	0.90	0.93	0.94	0.96	0.97	1.01	1.03	1.08	1.11	1.5%	
Oil	0.02	0.11	0.06	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	-7.3%	
Total	2.57	2.43	2.50	2.55	2.58	2.69	2.71	2.75	2.78	2.82	2.87	2.92	2.95	2.99	3.01	3.06	3.11	3.14	3.16	3.16	3.19	3.22	3.25	3.32	3.33	1.1%	

Table 67. Electric Power and Projections for the EMM Region 10 - Southwest Power Pool																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Emissions (million short tons)10/																										
Total Carbon	55.41	57.49	60.11	60.52	60.81	63.36	63.77	64.43	65.30	66.22	67.05	68.01	68.50	69.24	69.69	70.87	71.40	71.93	72.91	73.12	73.86	74.15	74.95	76.17	76.34	1.3%
Carbon Dioxide	203.17	210.79	220.39	221.91	222.96	232.30	233.82	236.26	239.44	242.80	245.84	249.38	251.17	253.86	255.52	259.84	261.80	263.75	267.34	268.11	270.83	271.89	274.81	279.29	279.91	1.3%
Sulfur Dioxide	0.58	0.62	0.66	0.64	0.63	0.62	0.61	0.60	0.60	0.60	0.59	0.59	0.58	0.58	0.58	0.58	0.57	0.56	0.56	0.55	0.55	0.54	0.54	0.54	0.53	-0.4%
Nitrogen Oxide	0.68	0.83	0.87	0.89	0.62	0.65	0.65	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.63	0.63	0.63	0.63	0.64	0.64	0.64	-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, 1989.

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/ Prices represent average revenue per kilowatthour.

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

10/ Estimated emissions from utilities and nonutilities (excluding cogenerators).

EMM = Electricity market module.
N/A = Not applicable.

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

Sources: 1996 (except for prices): Energy Information Administration (EIA), Annual Energy Review 1996, DOE/EIA-0384(96) (Washington, D.C., July 1997). Prices and all projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 68. Electric Power and Projections for the EMM Region 11 - Western Systems Coordinating Council/NWP																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Cumulative Retirements . . .	2.17	2.30	2.37	2.38	2.47	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.57	2.63	2.63	2.71	2.71	2.71	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	1.1%
Cogenerators 6/																											
Capacity																											
Coal	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.2%
Petroleum	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.8%
Natural Gas	0.66	0.66	0.67	0.68	0.69	0.69	0.69	0.69	0.70	0.70	0.70	0.70	0.71	0.71	0.71	0.71	0.72	0.72	0.71	0.71	0.71	0.71	0.71	0.71	0.70	0.70	0.3%
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	0.01	0.01	-0.1%
Renewables	0.38	0.38	0.40	0.41	0.41	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.41	0.41	0.41	0.4%
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	0.00	N/A	
Total	1.15	1.15	1.18	1.20	1.21	1.21	1.22	1.22	1.23	1.23	1.24	1.24	1.24	1.25	1.25	1.26	1.26	1.26	1.25	1.25	1.25	1.24	1.24	1.24	1.23	0.3%	
Electricity Demand (billion kilowatthours)																											
Residential	70.73	69.60	73.30	75.20	77.63	79.95	80.93	81.90	82.72	84.00	85.21	86.43	87.67	88.99	90.37	91.89	93.43	94.87	96.27	97.63	99.13	100.60	101.96	103.38	104.96	1.7%	
Commercial/Other	59.66	59.51	60.59	61.71	62.86	63.89	64.89	65.91	67.04	68.20	69.34	70.43	71.59	72.70	73.78	74.98	76.11	77.15	78.10	79.02	79.86	80.64	81.23	81.75	82.35	1.4%	
Industrial	83.57	85.81	87.67	90.97	91.89	93.97	95.57	97.06	98.95	100.76	102.70	104.67	106.38	107.48	108.71	109.95	111.40	111.99	112.31	112.92	113.24	114.04	114.57	115.58	115.90	1.4%	
Transportation	1.32	1.34	1.39	1.43	1.48	1.55	1.63	1.99	2.33	2.64	2.92	3.15	3.39	3.63	3.85	4.06	4.24	4.41	4.57	4.73	4.89	5.06	5.21	5.36	5.51	6.1%	
Total Sales	215.28	216.26	222.94	229.31	233.86	239.36	243.03	246.87	251.03	255.59	260.16	264.68	269.03	272.80	276.72	280.88	285.18	288.41	291.25	294.31	297.12	300.33	302.97	306.08	308.71	1.5%	
Net Energy for Load (billion kilowatthours) 7/																											
Gross International Imports	6.82	4.81	4.69	6.10	17.29	20.61	8.96	8.67	9.82	13.46	11.77	10.37	9.14	10.77	15.38	11.58	17.19	20.97	21.21	20.21	13.27	15.62	18.42	20.20	20.93	4.8%	
Gross International Exports	4.06	3.84	4.91	10.05	9.58	9.61	9.64	14.70	14.73	14.75	14.78	14.81	14.83	14.86	14.89	14.89	14.89	14.89	14.89	14.89	14.89	14.89	14.89	14.89	14.89	5.6%	
Gross Interregional Electric Imports																											
Gross Interregional Electric Exports	39.21	39.44	36.69	36.61	35.51	35.17	35.18	35.69	38.90	38.59	36.05	34.36	33.60	33.59	33.73	33.59	33.59	34.58	35.17	33.60	34.23	33.60	34.58	34.63	34.69	-0.5%	
Purchases from cogenerators 6/	5.41	5.45	5.45	5.45	5.46	5.48	5.49	5.50	5.51	5.53	5.54	5.55	5.56	5.58	5.59	5.60	5.61	5.61	5.60	5.59	5.59	5.58	5.57	5.57	5.56	0.1%	
Generation by Utilities	251.44	248.73	250.37	252.59	246.85	246.62	243.68	242.47	242.83	241.76	242.09	243.07	244.74	245.43	246.37	247.84	245.51	245.48	244.80	244.74	244.95	245.03	245.34	245.48	245.28	-0.1%	
Total Net Energy for Load	240.02	234.88	242.11	248.77	245.87	250.51	235.03	227.43	223.16	225.41	226.59	228.74	230.44	233.65	238.75	238.07	239.40	242.49	242.00	243.56	236.08	238.60	240.06	242.79	242.83	0.0%	

Table 68. Electric Power and Projections for the EMM Region 11 - Western Systems Coordinating Council/NWP																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Generation by Fuel Type (billion kilowatthours)																										
Coal	74.37	79.49	83.18	83.18	82.40	82.74	82.84	82.88	82.91	82.91	82.86	82.94	83.04	83.04	83.05	83.10	83.04	83.03	83.13	83.04	83.11	83.04	83.11	83.11	83.11	0.5%
Petroleum	0.17	0.53	0.63	0.79	0.51	0.53	0.46	0.42	0.42	0.40	0.44	0.42	0.45	0.46	0.45	0.93	0.86	0.74	0.52	0.42	0.43	0.65	0.82	0.53	0.72	6.2%
Natural Gas	5.23	4.73	11.67	13.40	16.34	16.42	32.04	42.25	50.97	51.83	55.47	58.83	62.71	63.93	63.72	69.40	70.04	69.98	72.52	73.71	84.33	85.18	85.97	86.13	88.38	12.5%
Nuclear	5.59	6.87	7.29	7.73	7.88	8.02	8.17	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	1.6%
Pumped Storage/Other 3/ . .	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	N/A
Renewable 4/	171.17	163.33	153.73	153.79	153.67	154.08	154.59	154.63	154.82	155.42	155.68	155.75	156.19	156.26	156.32	156.50	156.70	156.98	157.14	157.55	157.61	157.66	158.37	159.29	159.54	-0.3%
Total Generation	256.53	254.93	256.50	258.88	260.80	261.78	278.08	288.45	297.38	298.82	302.71	306.21	310.65	311.95	311.80	318.19	318.91	318.99	321.57	322.99	333.74	334.79	336.53	337.32	339.96	1.2%
Sales to Customers	255.68	254.09	255.66	258.04	259.95	260.93	277.24	287.60	296.53	297.97	301.86	305.36	309.81	311.11	310.96	317.34	318.06	318.14	320.72	322.14	332.89	333.95	335.69	336.47	339.11	1.2%
Generation for Own Use . . .	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	N/A
Cogenerators																										
Coal	0.43	0.44	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	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.1%
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	0.02	0.3%
Natural Gas	5.17	5.20	5.18	5.28	5.30	5.33	5.35	5.37	5.39	5.42	5.45	5.47	5.50	5.53	5.55	5.57	5.59	5.60	5.57	5.55	5.52	5.50	5.48	5.47	5.45	0.2%
Other Gaseous Fuels	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.0%
Renewable	2.29	2.29	2.29	2.30	2.31	2.32	2.33	2.33	2.34	2.35	2.36	2.37	2.37	2.38	2.38	2.38	2.38	2.37	2.37	2.36	2.35	2.34	2.33	2.33	2.32	0.1%
Other	0.31	0.31	0.30	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.33	0.33	0.33	0.33	0.33	0.34	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.2%
Total	8.25	8.29	8.25	8.36	8.39	8.44	8.48	8.50	8.54	8.58	8.62	8.66	8.69	8.73	8.76	8.79	8.81	8.80	8.77	8.73	8.70	8.67	8.64	8.62	8.59	0.2%
Sales to Utilities	5.41	5.45	5.45	5.45	5.46	5.48	5.49	5.50	5.51	5.53	5.54	5.55	5.56	5.58	5.59	5.60	5.61	5.61	5.60	5.59	5.59	5.58	5.57	5.57	5.56	0.1%
Generation for Own Use . . .	2.09	2.11	2.04	2.14	2.16	2.19	2.22	2.24	2.26	2.29	2.31	2.34	2.36	2.39	2.41	2.43	2.45	2.45	2.42	2.40	2.38	2.36	2.34	2.33	2.30	0.4%
End-Use Prices 8/ (1996 cents per kilowatthour)																										
Residential	5.9	6.2	6.5	6.8	6.3	6.3	6.4	6.7	6.6	6.6	6.5	6.5	6.5	6.4	6.3	6.4	6.1	6.0	5.9	5.8	5.9	5.9	5.8	5.7	5.7	-0.2%
Commercial	5.4	5.5	5.6	5.8	5.4	5.4	5.4	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.3	5.3	5.1	5.0	5.0	4.9	5.0	4.9	4.9	4.8	4.8	-0.5%
Industrial	3.5	3.5	3.5	3.6	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.0	-0.5%
Transportation	4.4	4.6	4.5	4.4	4.3	4.2	4.2	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.0	3.9	3.9	3.8	3.8	3.8	3.8	3.7	3.7	3.7	-0.7%
All Sectors Average	4.8	4.9	5.1	5.3	4.9	4.9	4.9	5.1	5.1	5.1	5.0	5.0	5.0	4.9	4.9	4.9	4.7	4.6	4.6	4.5	4.6	4.5	4.5	4.4	4.4	-0.4%
Fuel Consumption (quadrillion Btu) 9/																										
Coal	0.80	0.84	0.88	0.88	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	0.88	0.88	0.4%
Natural Gas	0.06	0.06	0.14	0.16	0.16	0.16	0.25	0.32	0.38	0.38	0.41	0.43	0.47	0.48	0.48	0.53	0.52	0.52	0.53	0.53	0.60	0.61	0.62	0.62	0.63	10.6%
Oil	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	4.4%
Total	0.86	0.90	1.03	1.05	1.04	1.04	1.14	1.20	1.26	1.26	1.29	1.31	1.35	1.36	1.36	1.42	1.41	1.40	1.42	1.42	1.49	1.50	1.51	1.51	1.52	2.4%

Table 68. Electric Power and Projections for the EMM Region 11 - Western Systems Coordinating Council/NWP																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Emissions (million short tons)10/																										
Total Carbon	23.97	22.98	25.23	25.57	25.22	25.33	26.73	27.65	28.53	28.59	29.01	29.43	29.99	30.19	30.23	31.22	31.06	31.14	31.55	31.63	32.74	32.84	33.14	33.12	33.41	1.4%
Carbon Dioxide	87.89	84.28	92.50	93.77	92.49	92.88	98.02	101.39	104.59	104.82	106.35	107.90	109.97	110.68	110.83	114.45	113.90	114.17	115.70	115.98	120.04	120.41	121.50	121.43	122.48	1.4%
Sulfur Dioxide	0.16	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	-1.3%
Nitrogen Oxide	0.20	0.25	0.28	0.28	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.24	0.24	0.24	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, 1989.

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/ Prices represent average revenue per kilowatthour.

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

10/ Estimated emissions from utilities and nonutilities (excluding cogenerators).

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1996 (except for prices): Energy Information Administration (EIA), Annual Energy Review 1996, DOE/EIA-0384(96) (Washington, D.C., July 1997). Prices and all projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 69. Electric Power and Projections for the EMM Region 12 - Western Systems Coordinating Council/RA																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Cumulative Retirements . . .	0.28	0.39	0.65	0.66	1.12	1.26	1.51	1.93	2.18	2.33	2.54	2.57	2.72	2.80	2.80	2.80	2.80	2.80	2.97	2.99	2.99	2.99	2.99	2.99	2.99	2.99	10.3%
Cogenerators 6/																											
Capacity																											
Coal	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	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%
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	0.00	0.00	0.8%
Natural Gas	0.74	0.75	0.76	0.80	0.80	0.81	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.86	0.87	0.87	0.87	0.86	0.86	0.85	0.85	0.85	0.84	0.84	0.84	0.5%
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	0.01	0.01	-0.1%
Renewables	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Total	0.82	0.82	0.84	0.88	0.88	0.89	0.89	0.90	0.90	0.91	0.92	0.92	0.93	0.94	0.94	0.95	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.93	0.92	0.5%	
Electricity Demand (billion kilowatthours)																											
Residential	36.59	36.01	37.92	39.57	41.10	42.60	43.40	44.17	44.87	45.79	46.70	47.63	48.56	49.56	50.59	51.68	52.76	53.80	54.83	55.85	56.94	57.99	59.03	60.07	61.16	2.2%	
Commercial/Other	45.13	45.33	46.88	48.13	49.32	50.35	51.35	52.37	53.51	54.70	55.88	57.01	58.20	59.39	60.56	61.78	62.98	64.11	65.16	66.16	67.08	67.94	68.72	69.41	70.05	1.8%	
Industrial	22.36	22.95	23.43	24.29	24.54	25.09	25.52	25.92	26.42	26.90	27.42	27.95	28.40	28.70	29.04	29.38	29.77	29.93	30.02	30.19	30.28	30.50	30.65	30.93	31.02	1.4%	
Transportation	0.52	0.54	0.56	0.58	0.60	0.63	0.66	0.81	0.95	1.07	1.19	1.28	1.38	1.48	1.58	1.67	1.74	1.81	1.89	1.96	2.03	2.10	2.17	2.23	2.30	6.4%	
Total Sales	104.61	104.82	108.79	112.57	115.56	118.67	120.93	123.26	125.75	128.47	131.18	133.87	136.54	139.13	141.76	144.51	147.25	149.65	151.90	154.15	156.33	158.53	160.56	162.64	164.52	1.9%	
Net Energy for Load (billion kilowatthours) 7/																											
Gross International Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	N/A
Gross Interregional Electric Imports	23.72	22.97	21.23	22.16	22.70	21.08	22.94	20.83	20.87	20.12	20.48	20.45	20.22	19.79	19.77	19.56	20.02	19.28	19.02	18.97	18.99	18.89	19.15	19.02	18.88	-0.9%	
Gross Interregional Electric Exports	50.36	50.07	49.93	50.64	51.19	50.91	50.61	51.28	52.05	52.25	52.48	53.50	53.37	54.67	54.90	53.33	55.23	55.35	55.68	55.55	55.41	55.19	55.71	55.72	56.73	0.5%	
Purchases from Cogenerators 6/	1.84	1.84	1.84	1.84	1.85	1.85	1.85	1.86	1.86	1.86	1.87	1.87	1.87	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.87	1.87	1.87	0.1%	
Generation by Utilities	128.38	136.01	139.75	141.74	139.46	139.50	139.12	136.83	135.14	134.99	134.51	134.40	134.31	133.57	132.58	132.29	132.65	131.92	131.52	130.78	130.70	130.19	130.64	130.33	129.76	0.0%	
Total Net Energy for Load .	103.58	110.75	112.90	115.10	112.81	111.52	113.30	108.24	105.81	104.72	104.37	103.23	103.03	100.57	99.32	100.40	99.33	97.72	96.74	96.09	96.16	95.77	95.95	95.50	93.79	-0.4%	

Table 69. Electric Power and Projections for the EMM Region 12 - Western Systems Coordinating Council/RA																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Generation by Fuel Type (billion kilowatthours)																											
Coal	86.16	93.28	94.80	94.81	94.80	99.21	99.10	99.58	100.59	100.92	101.25	101.35	101.31	101.50	101.70	101.94	102.23	102.53	102.35	102.83	103.46	104.03	104.65	105.17	105.72	0.9%	
Petroleum	0.13	0.14	0.15	0.15	0.14	0.15	0.15	0.14	0.13	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	0.1%
Natural Gas	5.68	9.38	14.71	17.32	20.39	20.47	20.65	25.43	27.76	31.19	33.54	37.24	40.16	44.33	47.08	48.28	52.14	55.13	58.15	59.85	61.42	63.08	64.77	66.61	69.20	11.0%	
Nuclear	22.64	19.39	20.57	21.77	21.98	22.11	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	22.24	22.24	22.24	22.24	-0.1%
Pumped Storage/Other 3/	0.15	-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	-0.05	N/A
Renewable 4/	17.15	20.19	17.90	17.92	17.93	17.95	17.97	18.01	18.03	18.08	18.12	18.16	18.20	18.25	18.30	18.34	18.45	18.49	18.52	18.56	18.59	18.62	18.79	18.84	18.90	0.4%	
Total Generation	131.90	142.33	148.07	151.92	155.20	159.84	160.06	165.34	168.71	172.52	175.23	179.07	181.99	186.40	189.40	190.88	195.14	198.47	201.34	203.56	205.79	208.06	210.54	212.95	216.14	2.1%	
Sales to Customers	131.10	141.53	147.27	151.12	154.40	159.04	159.26	164.54	167.91	171.72	174.43	178.27	181.19	185.60	188.60	190.08	194.34	197.67	200.54	202.76	204.99	207.26	209.74	212.15	215.34	2.1%	
Generation for Own Use	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	0.80	N/A	
Cogenerators																											
Coal	0.61	0.61	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	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	-0.2%
Petroleum	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.2%
Natural Gas	3.00	3.03	3.02	3.12	3.14	3.17	3.19	3.21	3.24	3.26	3.29	3.32	3.34	3.37	3.40	3.42	3.44	3.45	3.42	3.39	3.37	3.35	3.33	3.31	3.29	0.4%	
Other Gaseous Fuels	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.0%
Renewable	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Total	3.64	3.68	3.59	3.69	3.72	3.75	3.78	3.81	3.83	3.86	3.90	3.93	3.96	3.99	4.02	4.04	4.06	4.07	4.04	4.01	3.99	3.97	3.95	3.93	3.91	0.3%	
Sales to Utilities	1.84	1.84	1.84	1.84	1.85	1.85	1.85	1.86	1.86	1.86	1.87	1.87	1.87	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.87	1.87	1.87	0.1%	
Generation for Own Use	1.94	1.96	1.90	1.99	2.01	2.04	2.06	2.08	2.10	2.12	2.15	2.17	2.20	2.22	2.24	2.26	2.27	2.28	2.25	2.23	2.21	2.19	2.17	2.16	2.14	0.4%	
End-Use Prices 8/ (1996 cents per kilowatthour)																											
Residential	8.2	8.2	8.1	8.1	8.0	7.9	7.8	7.9	7.9	7.9	7.8	7.7	7.7	7.6	7.6	7.5	7.4	7.4	7.3	7.2	7.1	7.0	7.0	7.0	6.9	-0.7%	
Commercial	6.6	6.3	6.2	6.1	6.0	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8	5.8	5.8	5.6	5.5	5.5	5.4	5.3	5.2	5.1	5.1	5.1	5.0	-1.1%	
Industrial	4.5	4.3	4.2	4.1	4.0	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.2	3.1	-1.5%	
Transportation	5.9	5.9	5.9	5.7	5.6	5.5	5.5	5.4	5.5	5.4	5.4	5.3	5.3	5.2	5.2	5.1	5.0	5.0	5.0	4.9	4.8	4.8	4.8	4.7	4.7	-1.0%	
All Sectors Average	6.7	6.5	6.4	6.4	6.3	6.2	6.1	6.2	6.2	6.1	6.1	6.1	6.0	6.0	6.0	5.9	5.8	5.7	5.7	5.6	5.5	5.5	5.4	5.4	5.4	-0.9%	
Fuel Consumption (quadrillion Btu) 9/																											
Coal	0.92	0.98	1.00	1.00	1.00	1.04	1.04	1.04	1.05	1.05	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.07	1.06	1.07	1.07	1.08	1.08	1.09	1.09	0.7%	
Natural Gas	0.07	0.10	0.16	0.19	0.19	0.19	0.19	0.22	0.22	0.24	0.26	0.29	0.31	0.33	0.35	0.35	0.38	0.40	0.41	0.42	0.43	0.44	0.45	0.46	0.48	8.5%	
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	0.00	-0.1%	
Total	0.98	1.08	1.16	1.19	1.19	1.23	1.23	1.26	1.27	1.30	1.32	1.35	1.36	1.39	1.41	1.41	1.44	1.46	1.48	1.49	1.50	1.52	1.54	1.55	1.57	2.0%	

Table 69. Electric Power and Projections for the EMM Region 12 - Western Systems Coordinating Council/RA																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Emissions (million short tons)10/																										
Total Carbon	26.10	26.67	27.95	28.37	28.38	29.49	29.45	29.95	30.26	30.71	31.08	31.52	31.73	32.21	32.50	32.80	33.27	33.70	34.13	34.45	34.77	35.04	35.47	35.79	36.19	1.4%
Carbon Dioxide	95.71	97.78	102.49	104.01	104.08	108.12	107.97	109.80	110.96	112.61	113.96	115.57	116.35	118.12	119.16	120.26	121.98	123.57	125.14	126.32	127.50	128.47	130.04	131.23	132.71	1.4%
Sulfur Dioxide	0.19	0.20	0.20	0.20	0.20	0.20	0.19	0.19	0.19	0.19	0.18	0.18	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.15	0.15	-1.2%
Nitrogen Oxide	0.28	0.36	0.37	0.38	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.3%

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, 1989.

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/ Prices represent average revenue per kilowatthour.

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

10/ Estimated emissions from utilities and nonutilities (excluding cogenerators).

EMM = Electricity market module.
N/A = Not applicable.

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

Sources: 1996 (except for prices): Energy Information Administration (EIA), Annual Energy Review 1996, DOE/EIA-0384(96) (Washington, D.C., July 1997). Prices and all projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 70. Electric Power and Projections for the EMM Region 13 - Western Systems Coordinating Council/CNV																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-
Cumulative Retirements . . .	2.95	2.95	3.62	4.36	4.75	4.92	5.03	5.14	5.25	5.29	5.40	5.46	5.46	5.46	5.71	5.82	5.82	8.08	8.16	8.16	8.21	8.21	8.21	8.33	8.33	4.4%
Cogenerators 6/ Capacity																										
Coal	0.37	0.37	0.37	0.38	0.38	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	0.39	0.39	0.39	0.39	0.39	0.39	0.2%
Petroleum	0.13	0.13	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.7%
Natural Gas	4.65	4.71	4.77	5.07	5.10	5.15	5.19	5.22	5.26	5.30	5.34	5.39	5.43	5.47	5.51	5.55	5.58	5.59	5.55	5.51	5.47	5.44	5.41	5.39	5.36	0.6%
Other Gaseous Fuels	0.17	0.17	0.17	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	-0.1%
Renewables	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.4%
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	0.00	N/A
Total	5.54	5.59	5.69	5.98	6.02	6.07	6.12	6.15	6.19	6.24	6.29	6.33	6.38	6.43	6.47	6.51	6.54	6.54	6.50	6.46	6.43	6.40	6.36	6.34	6.31	0.5%
Electricity Demand (billion kilowatthours)																										
Residential	75.37	74.16	78.10	79.69	82.10	84.39	85.25	86.12	86.82	88.01	89.13	90.24	91.38	92.59	93.86	95.29	96.74	98.10	99.39	100.65	102.03	103.42	104.66	105.98	107.49	1.5%
Commercial/Other	94.00	93.42	94.35	95.65	97.08	98.42	99.72	101.05	102.48	103.95	105.38	106.76	108.23	109.58	110.88	112.39	113.79	115.03	116.14	117.24	118.23	119.14	119.71	120.18	120.89	1.1%
Industrial	60.50	62.13	63.47	65.86	66.53	68.04	69.19	70.27	71.64	72.95	74.36	75.78	77.02	77.82	78.71	79.60	80.65	81.08	81.31	81.75	81.98	82.56	82.95	83.68	83.91	1.4%
Transportation	1.51	1.53	1.58	1.63	1.68	1.77	1.86	2.27	2.65	3.00	3.32	3.59	3.85	4.12	4.37	4.61	4.81	4.99	5.17	5.35	5.53	5.71	5.87	6.04	6.20	6.1%
Total Sales	231.38	231.24	237.50	242.84	247.40	252.61	256.03	259.71	263.59	267.91	272.19	276.37	280.48	284.11	287.82	291.89	295.99	299.19	302.02	305.00	307.78	310.83	313.19	315.88	318.49	1.3%
Net Energy for Load (billion kilowatthours) 7/																										
Gross International Imports	0.94	0.00	0.00	0.00	0.98	0.00	9.87	12.13	12.13	12.13	12.13	12.13	12.13	11.16	7.71	12.13	6.42	2.99	2.96	3.70	10.64	8.29	5.50	3.71	2.98	4.9%
Gross International Exports	1.11	1.08	1.11	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	1.7%
Gross Interregional Electric Imports	62.92	63.13	59.83	58.98	58.32	58.02	57.73	58.89	63.14	63.19	60.97	60.31	59.45	60.71	61.07	59.40	61.25	62.34	63.20	61.49	62.06	61.14	62.43	62.44	63.60	0.0%
Gross Interregional Electric Exports	14.21	12.85	14.68	21.00	12.36	12.30	13.28	11.15	9.02	7.80	8.09	8.76	9.03	9.77	9.39	10.91	9.38	9.17	9.65	10.74	10.63	10.08	9.40	10.31	9.82	-1.5%
Purchases from Cogenerators 6/	25.66	25.87	25.86	25.84	25.93	26.04	26.14	26.23	26.32	26.43	26.53	26.64	26.74	26.84	26.94	27.02	27.09	27.11	27.04	26.98	26.92	26.87	26.81	26.77	26.70	0.2%
Generation by Utilities	155.62	164.90	176.74	189.51	173.52	177.07	167.13	160.16	152.07	150.46	153.02	156.28	156.48	157.66	157.67	143.67	148.46	143.62	125.36	121.21	113.43	116.33	111.72	114.94	113.51	-1.3%
Total Net Energy for Load .	229.82	239.97	246.64	252.17	245.19	247.59	246.32	244.94	243.28	243.00	243.11	245.09	244.20	244.99	242.33	229.64	232.18	225.22	207.25	200.98	200.76	200.88	195.39	195.88	195.31	-0.7%

Table 70. Electric Power and Projections for the EMM Region 13 - Western Systems Coordinating Council/CNV																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-
Generation by Fuel Type (billion kilowatthours)																										
Coal	31.78	36.66	37.45	37.45	37.43	37.43	42.06	42.03	42.95	47.11	50.87	52.20	53.83	55.05	56.65	72.82	73.78	84.00	105.09	113.77	119.24	119.24	127.56	128.73	132.72	6.1%
Petroleum	1.55	0.97	1.01	1.14	1.00	1.02	0.98	0.94	0.91	0.91	0.93	0.95	0.96	0.96	0.96	0.91	0.94	0.92	0.91	0.89	0.88	0.88	0.88	0.90	0.89	-2.3%
Natural Gas	33.14	50.35	65.06	75.85	71.58	77.18	67.69	66.33	63.07	61.88	65.33	69.45	73.01	75.79	79.95	66.52	71.49	66.50	64.11	59.33	49.44	55.17	49.57	54.20	52.06	1.9%
Nuclear	40.30	33.54	35.39	37.23	37.60	37.86	38.17	38.17	38.17	38.17	38.16	38.16	38.16	38.15	38.15	38.15	38.15	38.15	22.16	22.16	22.16	22.16	22.16	22.16	22.16	-2.5%
Pumped Storage/Other 3/ ..	2.83	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	N/A
Renewable 4/	64.09	61.52	55.80	55.81	55.82	56.56	56.09	55.76	55.80	55.98	55.58	55.64	55.74	55.77	56.45	56.77	57.15	57.26	57.05	58.27	58.31	58.62	59.44	59.25	59.42	-0.3%
Total Generation	173.68	182.71	194.37	207.15	203.10	209.71	204.66	202.91	200.56	203.72	210.54	216.08	221.37	225.40	231.82	234.84	241.17	246.50	248.98	254.08	249.70	255.74	259.28	264.90	266.89	1.8%
Sales to Customers	171.82	180.85	192.51	205.28	201.24	207.84	202.79	201.05	198.70	201.85	208.67	214.21	219.50	223.54	229.96	232.97	239.31	244.63	247.12	252.22	247.83	253.87	257.42	263.04	265.02	1.8%
Generation for Own Use ...	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	N/A
Cogenerators																										
Coal	2.90	2.90	2.69	2.69	2.70	2.72	2.73	2.74	2.75	2.77	2.78	2.79	2.80	2.81	2.82	2.83	2.83	2.83	2.83	2.82	2.82	2.82	2.82	2.82	2.81	-0.1%
Petroleum	0.84	0.84	0.84	0.86	0.87	0.87	0.87	0.88	0.88	0.88	0.89	0.89	0.90	0.90	0.90	0.90	0.91	0.90	0.90	0.90	0.90	0.90	0.89	0.89	0.89	0.2%
Natural Gas	37.30	37.74	37.52	38.99	39.31	39.75	40.14	40.44	40.77	41.16	41.55	41.95	42.35	42.77	43.14	43.50	43.79	43.87	43.46	43.08	42.75	42.43	42.11	41.92	41.60	0.5%
Other Gaseous Fuels	1.36	1.37	1.37	1.35	1.35	1.35	1.36	1.36	1.36	1.36	1.36	1.36	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	0.0%
Renewable	1.45	1.45	1.45	1.46	1.47	1.47	1.48	1.48	1.49	1.50	1.50	1.51	1.51	1.51	1.52	1.52	1.52	1.51	1.51	1.50	1.50	1.49	1.48	1.48	1.47	0.1%
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total	43.87	44.31	43.87	45.36	45.70	46.16	46.58	46.89	47.25	47.67	48.09	48.51	48.93	49.37	49.75	50.12	50.42	50.49	50.06	49.68	49.34	49.01	48.67	48.48	48.15	0.4%
Sales to Utilities	25.66	25.87	25.86	25.84	25.93	26.04	26.14	26.23	26.32	26.43	26.53	26.64	26.74	26.84	26.94	27.02	27.09	27.11	27.04	26.98	26.92	26.87	26.81	26.77	26.70	0.2%
Generation for Own Use ...	10.94	11.04	10.72	11.23	11.35	11.50	11.64	11.74	11.85	11.99	12.13	12.26	12.40	12.53	12.64	12.76	12.84	12.85	12.71	12.59	12.48	12.37	12.26	12.19	12.08	0.4%
End-Use Prices 8/ (1996 cents per kilowatthour)																										
Residential	11.3	11.2	9.5	9.3	9.0	8.8	8.8	8.8	8.7	8.7	8.7	8.9	8.9	9.0	9.1	8.9	9.0	9.0	9.0	8.9	8.7	8.8	8.7	8.7	8.8	-1.0%
Commercial	9.8	9.6	9.2	9.0	8.8	8.5	8.4	8.2	8.0	7.8	7.6	7.5	7.4	7.4	7.5	7.3	7.4	7.4	7.4	7.3	7.2	7.2	7.2	7.2	7.2	-1.3%
Industrial	6.8	6.7	6.5	6.3	6.2	6.0	5.9	5.7	5.6	5.4	5.2	5.1	5.0	5.0	5.1	4.9	5.0	5.0	4.9	4.9	4.8	4.8	4.7	4.7	4.8	-1.5%
Transportation	6.8	6.8	6.7	6.5	6.4	6.2	6.0	5.7	5.5	5.4	5.3	5.3	5.4	5.4	5.5	5.4	5.4	5.4	5.3	5.3	5.3	5.4	5.3	5.3	5.4	-1.0%
All Sectors Average	9.5	9.3	8.6	8.3	8.1	7.9	7.8	7.7	7.5	7.4	7.3	7.3	7.2	7.2	7.3	7.1	7.2	7.3	7.2	7.1	7.0	7.0	7.0	7.0	7.1	-1.2%
Fuel Consumption (quadrillion Btu) 9/																										
Coal	0.34	0.38	0.39	0.39	0.39	0.39	0.43	0.43	0.44	0.48	0.52	0.53	0.54	0.55	0.57	0.72	0.73	0.82	1.01	1.09	1.14	1.14	1.22	1.23	1.26	5.7%
Natural Gas	0.37	0.48	0.63	0.75	0.69	0.74	0.65	0.63	0.59	0.58	0.61	0.64	0.68	0.70	0.74	0.61	0.65	0.61	0.58	0.54	0.45	0.50	0.45	0.49	0.47	1.0%
Oil	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-3.7%
Total	0.73	0.87	1.03	1.15	1.09	1.14	1.09	1.07	1.05	1.07	1.13	1.18	1.23	1.27	1.32	1.34	1.39	1.44	1.61	1.64	1.60	1.65	1.67	1.73	1.74	3.7%

Table 70. Electric Power and Projections for the EMM Region 13 - Western Systems Coordinating Council/CNV																										
	1996	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
Emissions (million short tons)10/																										
Total Carbon	20.20	19.99	22.42	24.13	23.23	23.96	23.78	23.48	23.23	24.03	25.45	26.30	27.18	27.85	28.75	30.94	31.80	33.68	38.61	40.17	40.20	40.93	42.28	43.23	43.95	3.3%
Carbon Dioxide	74.08	73.30	82.22	88.46	85.17	87.84	87.19	86.10	85.17	88.11	93.30	96.43	99.64	102.10	105.41	113.44	116.61	123.47	141.58	147.28	147.38	150.09	155.02	158.52	161.15	3.3%
Sulfur Dioxide	0.07	0.07	0.08	0.08	0.08	0.07	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.3%
Nitrogen Oxide	0.16	0.20	0.22	0.23	0.17	0.17	0.17	0.17	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.22	0.23	0.24	0.29	0.30	0.30	0.31	0.32	0.33	0.34	3.2%

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, 1989.

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/ Prices represent average revenue per kilowatthour.

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

10/ Estimated emissions from utilities and nonutilities (excluding cogenerators).

EMM = Electricity market module.
N/A = Not applicable.

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

Sources: 1996 (except for prices): Energy Information Administration (EIA), Annual Energy Review 1996, DOE/EIA-0384(96) (Washington, D.C., July 1997). Prices and all projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 71. Electric Power and Projections for the U. S.																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Electricity Generating Capacity 1/ (gigawatts)																										
Coal Steam	305.33	303.56	299.69	298.73	296.78	299.10	296.40	299.22	300.61	302.14	304.40	304.66	304.73	304.62	304.62	307.15	307.85	309.32	313.25	316.04	318.07	319.51	322.33	323.33	323.58	0.2%
Other Fossil Steam 2/	138.12	136.52	133.18	127.99	121.27	116.81	112.67	106.40	105.30	103.61	103.15	102.62	102.25	101.88	100.96	100.16	99.72	98.51	97.69	97.14	96.85	96.36	96.24	96.24	96.02	-1.5%
Combined Cycle	15.30	15.87	16.59	16.59	27.67	31.88	41.61	49.77	65.36	71.33	79.00	84.09	90.11	97.43	106.50	115.29	123.21	132.75	143.52	154.94	164.58	172.04	177.10	181.57	186.52	11.0%
Combustion Turbine/Diesel	80.02	90.66	125.56	137.42	140.37	144.20	146.58	165.23	170.67	176.16	177.95	179.34	183.96	188.69	191.39	194.97	198.34	199.90	204.79	210.09	211.65	213.37	215.00	219.09	221.90	4.3%
Nuclear Power	100.78	99.09	97.60	96.98	95.57	94.79	92.59	91.18	89.34	86.76	85.67	83.87	83.35	82.10	80.38	80.38	78.07	72.32	65.75	63.90	57.66	54.92	52.35	52.35	49.24	-2.9%
Pumped Storage/Other 3/	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	19.85	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/	88.64	88.89	89.40	91.11	91.29	91.84	92.11	92.32	92.56	92.86	92.96	93.09	93.32	93.43	93.64	93.80	94.02	94.18	94.28	94.69	94.76	94.92	95.32	95.50	95.70	0.3%
Total Capability	748.05	754.44	781.87	788.69	792.80	798.50	801.80	823.97	843.69	852.72	862.95	867.53	877.57	888.02	897.34	911.60	921.07	926.82	939.14	956.66	963.44	970.98	978.21	987.94	992.81	1.2%
Cumulative Planned Additions 5/																										
Coal Steam	2.35	2.35	2.35	2.35	3.15	3.15	3.15	3.15	3.15	3.15	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	N/A
Other Fossil Steam 2/	0.04	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	N/A
Combined Cycle	2.05	2.20	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	N/A
Combustion Turbine/Diesel	3.83	4.94	5.16	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	N/A
Nuclear Power	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	N/A
Pumped Storage/Other 3/	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	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/	0.74	0.82	1.17	2.79	2.86	2.93	3.08	3.08	3.08	3.08	3.08	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	3.18	N/A
Total (planned)	11.33	12.70	13.77	15.46	16.34	16.41	16.56	16.56	16.56	16.56	18.16	18.40	18.51	18.51	18.51	18.51	18.51	18.51	18.51	18.51	18.51	18.51	18.51	18.51	18.51	N/A
Cumulative Unplanned Additions 5/																										
Coal Steam	0.00	0.00	0.00	0.00	0.00	4.63	5.98	9.70	11.53	13.27	14.57	15.27	15.74	16.10	16.85	20.16	21.35	23.92	28.70	32.13	34.75	38.37	41.86	43.38	45.37	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	11.08	15.29	25.02	33.18	48.78	54.74	62.42	67.25	73.27	80.59	89.66	98.45	106.38	115.91	126.69	138.10	147.74	155.21	160.27	164.73	169.68	N/A
Combustion Turbine/Diesel	23.61	33.14	67.86	79.65	82.68	86.71	89.26	108.07	113.53	119.09	120.88	122.30	126.92	131.67	134.65	138.40	141.97	143.98	149.17	154.48	156.04	157.76	159.39	163.47	166.28	N/A
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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/	0.46	0.50	0.56	0.61	0.65	1.12	1.26	1.44	1.74	1.98	2.14	2.26	2.39	2.52	2.82	3.09	3.31	3.58	3.75	4.16	4.29	4.45	4.85	5.15	5.35	N/A
Total (unplanned)	24.07	33.64	68.41	80.26	94.42	107.75	121.51	152.39	175.57	189.08	200.00	207.09	218.32	230.88	243.98	260.10	273.01	287.39	308.31	328.87	342.81	355.78	366.36	376.73	386.69	N/A
Cumulative Total Additions	9.21	10.57	11.41	11.48	12.28	12.28	12.28	12.28	12.28	12.28	13.88	14.13	14.13	14.13	14.13	14.13	14.13	14.13	14.13	14.13	14.13	14.13	14.13	14.13	14.13	N/A
Cumulative Retirements	14.41	19.52	28.27	34.95	45.94	52.34	63.18	72.01	75.54	80.07	82.37	85.17	86.46	88.57	92.35	94.21	97.65	106.28	114.06	117.10	124.27	129.70	133.04	133.68	138.77	N/A

Table 71. Electric Power and Projections for the U. S.																									1996- 2020	
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Cogenerators 6/ Capacity																										
Coal	6.99	6.99	7.07	7.10	7.13	7.17	7.21	7.24	7.27	7.32	7.36	7.39	7.42	7.46	7.48	7.50	7.52	7.52	7.51	7.50	7.50	7.50	7.49	7.49	7.48	0.3%
Petroleum	1.07	1.07	1.14	1.14	1.15	1.15	1.16	1.17	1.18	1.19	1.20	1.20	1.21	1.22	1.23	1.23	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	0.6%
Natural Gas	27.95	28.26	28.63	30.27	30.45	30.71	30.96	31.13	31.33	31.57	31.80	32.04	32.28	32.52	32.74	32.95	33.12	33.15	32.92	32.71	32.53	32.35	32.17	32.06	31.88	0.5%
Other Gaseous Fuels	1.18	1.18	1.18	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	-0.1%
Renewables	5.81	5.82	6.29	6.33	6.36	6.39	6.42	6.44	6.47	6.50	6.53	6.56	6.58	6.60	6.61	6.61	6.62	6.60	6.57	6.56	6.54	6.51	6.48	6.46	6.43	0.4%
Other	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
Total	43.01	43.33	44.33	45.96	46.21	46.55	46.89	47.11	47.38	47.71	48.03	48.33	48.63	48.93	49.19	49.44	49.62	49.64	49.38	49.15	48.94	48.73	48.52	48.39	48.17	0.5%
Electricity Demand (billion kilowatt-hours)																										
Residential	1074.69	1057.41	1113.64	1125.92	1159.55	1193.71	1209.19	1224.49	1238.09	1256.76	1274.57	1292.21	1310.64	1329.45	1349.09	1370.65	1391.26	1410.46	1429.51	1447.69	1467.18	1485.76	1504.23	1523.12	1542.10	1.5%
Commercial/Other	986.84	993.95	1021.57	1037.52	1052.20	1066.33	1079.64	1093.63	1108.60	1124.14	1139.27	1153.90	1169.12	1184.14	1198.59	1214.21	1229.52	1242.90	1255.41	1267.10	1277.03	1285.92	1292.70	1298.37	1303.29	1.2%
Industrial	1013.49	1035.16	1048.34	1070.30	1081.80	1105.94	1126.23	1141.98	1164.63	1185.18	1206.14	1228.62	1247.29	1265.16	1280.58	1302.18	1317.41	1326.62	1332.96	1341.60	1348.96	1360.53	1370.70	1383.47	1390.68	1.3%
Transportation	15.68	15.89	16.36	16.83	17.31	18.15	19.00	23.24	27.15	30.66	33.85	36.54	39.17	41.84	44.32	46.62	48.57	50.32	52.09	53.81	55.49	57.19	58.80	60.36	61.88	5.9%
Total Sales	3090.70	3102.41	3199.90	3250.57	3310.85	3384.14	3434.05	3483.33	3538.47	3596.74	3653.83	3711.27	3766.22	3820.60	3872.58	3933.67	3986.75	4030.30	4069.98	4110.20	4148.66	4189.40	4226.43	4265.32	4297.95	1.4%
Net Energy for Load (billion kilowatt-hours) 7/																										
Gross International Imports ..	46.78	46.24	48.14	52.42	54.17	53.20	53.58	55.34	55.28	53.44	53.29	53.65	51.70	52.39	51.36	50.50	49.65	48.47	47.68	47.86	47.86	47.86	47.86	47.86	47.86	0.1%
Gross International Exports ..	9.26	8.78	9.92	15.14	14.74	14.85	14.96	20.10	20.22	20.34	20.46	20.59	20.73	20.87	21.01	21.01	21.01	21.01	21.01	21.01	21.01	21.01	21.01	21.01	21.01	3.5%
Gross Interregional Electric Imports	251.32	253.32	243.03	242.87	222.38	212.57	209.15	214.04	208.03	205.61	201.59	204.78	206.81	212.63	215.97	212.71	215.71	217.82	219.56	217.32	222.06	220.33	219.54	221.57	224.09	-0.5%
Gross Interregional Electric Exports	252.91	255.06	244.69	244.56	223.87	213.98	210.50	215.53	209.39	206.96	202.86	206.12	208.19	214.13	217.53	214.21	217.27	219.43	221.20	218.91	223.75	221.99	221.18	223.25	225.82	-0.5%
Purchases from cogenerators 6/	121.33	123.28	123.54	123.48	123.77	124.12	124.46	124.73	125.04	125.39	125.73	126.07	126.39	126.73	127.03	127.31	127.52	127.60	127.38	127.18	127.00	126.81	126.61	126.49	126.27	0.2%
Generation by Utilities	3079.02	3098.64	3173.95	3205.76	3191.53	3198.81	3173.72	3100.44	3046.00	3044.40	3047.71	3056.79	3049.63	3044.81	3035.32	3013.09	3001.39	2964.10	2915.71	2862.63	2830.45	2782.59	2758.57	2748.35	2733.27	-0.5%
Total Net Energy for Load ..	3236.28	3257.64	3334.04	3364.83	3353.24	3359.88	3335.45	3258.92	3204.75	3201.54	3204.99	3214.57	3205.64	3201.56	3191.13	3168.38	3155.99	3117.55	3068.12	3015.06	2982.60	2934.59	2910.38	2900.00	2884.66	-0.5%
Generation by Fuel Type (billion kilowatt-hours)																										
Coal	1757.80	1803.37	1888.60	1876.10	1903.44	1950.81	1953.77	1967.58	1980.44	2007.13	2032.28	2054.72	2066.86	2073.73	2084.89	2114.06	2123.17	2136.34	2169.55	2189.82	2207.69	2223.45	2248.87	2260.70	2265.43	1.1%
Petroleum	80.50	99.50	68.37	60.47	53.94	51.64	49.22	38.92	35.11	36.75	37.36	34.43	33.92	36.36	35.39	35.73	37.16	34.92	32.29	32.67	32.24	31.70	31.99	31.49	31.79	-3.8%
Natural Gas	287.76	283.76	336.08	382.18	418.70	457.01	500.78	565.04	624.67	671.16	711.96	758.13	816.94	869.75	920.17	963.89	1015.52	1070.25	1113.47	1170.65	1212.50	1280.80	1314.66	1355.9	1388.95	6.8%
Nuclear	674.73	644.00	666.70	688.55	689.22	679.92	684.64	670.36	658.06	642.92	633.94	625.66	612.01	603.62	595.61	584.26	575.28	553.36	519.51	479.70	461.49	420.69	398.39	386.56	382.80	-2.3%
Pumped Storage/Other 3/	-2.29	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	1.3%
Renewable 4/	392.09	395.61	361.49	366.09	369.60	371.66	373.03	374.17	375.21	377.06	377.95	378.74	379.92	380.68	382.03	383.12	384.32	385.22	385.70	387.84	388.47	389.27	391.63	392.68	393.50	0.0%
Total Generation	3190.59	3223.12	3318.14	3370.28	3431.80	3507.93	3558.33	3612.96	3670.37	3731.90	3790.39	3848.57	3906.54	3961.02	4014.98	4077.95	4132.34	4176.97	4217.40	4257.57	4299.28	4342.80	4382.43	4424.24	4459.35	1.4%
Sales to Customers	3164.45	3196.97	3291.96	3344.10	3405.61	3481.75	3532.15	3586.78	3644.19	3705.72	3764.21	3822.39	3880.36	3934.84	3988.80	4051.77	4106.16	4150.79	4191.22	4231.34	4273.05	4316.57	4356.19	4398.01	4433.12	1.4%
Generation for Own Use	26.14	26.16	26.18	26.18	26.18	26.18	26.18	26.18	26.18	26.18	26.18	26.18	26.18	26.18	26.18	26.18	26.18	26.18	26.18	26.23	26.23	26.23	26.23	26.23	26.23	0.0%
Cogenerators																										

Table 71. Electric Power and Projections for the U. S.																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Coal	39.37	39.72	36.70	36.84	37.00	37.21	37.45	37.57	37.76	37.98	38.21	38.36	38.54	38.70	38.82	38.93	39.00	38.97	38.92	38.89	38.85	38.83	38.77	38.76	38.68	-0.1%
Petroleum	5.59	5.59	5.57	5.68	5.69	5.71	5.74	5.75	5.77	5.80	5.82	5.84	5.86	5.88	5.89	5.90	5.90	5.89	5.88	5.87	5.86	5.85	5.84	5.83	5.82	0.2%
Natural Gas	173.79	176.62	175.61	182.17	183.62	185.55	187.30	188.62	190.11	191.88	193.61	195.40	197.18	199.05	200.69	202.31	203.60	203.94	202.11	200.41	198.96	197.50	196.07	195.23	193.83	0.5%
Other Gaseous Fuels	7.05	7.06	7.07	6.98	6.99	7.00	7.00	7.01	7.02	7.03	7.04	7.05	7.05	7.06	7.07	7.07	7.08	7.08	7.09	7.09	7.09	7.09	7.09	7.09	7.09	0.0%
Renewable	41.25	41.36	41.41	41.62	41.81	42.01	42.23	42.32	42.49	42.70	42.88	43.02	43.15	43.25	43.29	43.33	43.32	43.18	43.02	42.89	42.74	42.57	42.37	42.21	42.01	0.1%
Other	3.31	3.31	3.23	3.24	3.27	3.31	3.33	3.35	3.38	3.40	3.44	3.47	3.49	3.51	3.53	3.55	3.55	3.54	3.53	3.52	3.51	3.51	3.49	3.49	3.48	0.2%
Total	270.36	273.66	269.59	276.54	278.38	280.78	283.05	284.63	286.53	288.79	290.99	293.14	295.27	297.45	299.30	301.09	302.45	302.61	300.54	298.68	297.01	295.35	293.64	292.62	290.90	0.3%
Sales to Utilities	121.33	123.28	123.54	123.48	123.77	124.12	124.46	124.73	125.04	125.39	125.73	126.07	126.39	126.73	127.05	127.31	127.52	127.60	127.38	127.18	127.00	126.81	126.61	126.49	126.27	0.2%
Generation for Own Use	149.03	150.38	146.05	153.05	154.62	156.66	158.59	159.90	161.50	163.40	165.27	167.07	168.87	170.72	172.26	173.78	174.92	175.01	173.16	171.50	170.01	168.54	167.03	166.13	164.63	0.4%
End-Use Prices 8/ (1996 cents per kilowatthour)																										
Residential	8.4	8.1	8.0	7.9	7.8	7.7	7.6	7.6	7.6	7.5	7.4	7.4	7.4	7.4	7.3	7.2	7.1	7.1	7.0	7.0	6.9	6.9	6.9	6.8	6.8	-0.9%
Commercial	7.6	7.6	7.4	7.3	7.2	7.1	7.0	6.9	6.9	6.8	6.7	6.6	6.6	6.6	6.5	6.4	6.3	6.3	6.2	6.1	6.1	6.1	6.0	6.0	6.0	-1.0%
Industrial	4.6	4.6	4.5	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.9	3.9	3.8	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.5	-1.1%
Transportation	5.2	5.3	5.1	5.1	5.0	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.6	4.5	4.5	4.4	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.2	4.2	-0.9%
All Sectors Average	6.9	6.8	6.6	6.6	6.5	6.4	6.3	6.3	6.2	6.1	6.1	6.0	6.0	5.9	5.9	5.8	5.7	5.7	5.7	5.6	5.6	5.5	5.5	5.5	5.5	-1.0%
Fuel Consumption (quadrillion Btu) 9/																										
Coal	18.36	18.51	19.36	19.23	19.57	20.04	20.05	20.17	20.29	20.55	20.82	21.05	21.17	21.24	21.34	21.62	21.70	21.81	22.11	22.29	22.46	22.60	22.84	22.95	22.99	0.9%
Natural Gas	2.99	2.96	3.53	4.03	4.14	4.45	4.69	5.10	5.37	5.69	5.95	6.30	6.73	7.07	7.38	7.60	7.92	8.24	8.42	8.71	8.92	9.38	9.59	9.87	10.07	5.2%
Oil	0.82	1.03	0.69	0.61	0.54	0.52	0.49	0.39	0.35	0.37	0.37	0.34	0.34	0.36	0.35	0.36	0.37	0.35	0.32	0.32	0.32	0.31	0.32	0.31	0.31	-3.9%
Total	22.17	22.50	23.58	23.86	24.25	25.01	25.24	25.66	26.00	26.61	27.14	27.70	28.24	28.67	29.07	29.57	29.99	30.40	30.86	31.33	31.69	32.29	32.74	33.13	33.37	1.7%
Emissions (million short tons)10/																										
Total Carbon	525.38	548.94	572.01	574.10	583.03	599.41	603.68	610.34	616.67	629.57	641.30	652.15	661.75	669.58	676.77	691.38	698.67	708.20	723.24	734.41	742.87	753.06	764.87	772.19	777.4	1.6%
Carbon Dioxide	1926.39	2012.78	2097.36	2105.02	2137.74	2197.83	2213.46	2237.89	2261.10	2308.40	2351.40	2391.17	2426.37	2455.08	2481.46	2535.02	2561.75	2596.7	2651.85	2692.79	2723.81	2761.19	2804.50	2831.32	2850.45	1.6%
Sulfur Dioxide	10.04	9.98	10.70	10.27	9.51	9.43	9.34	9.26	9.15	9.06	8.90	8.91	8.77	8.50	8.64	8.44	8.44	8.42	8.43	8.42	8.42	8.43	8.43	8.43	8.42	-0.7%
Nitrogen Oxide	5.87	7.07	7.34	7.34	5.57	5.69	5.66	5.63	5.62	5.70	5.74	5.81	5.85	5.88	5.91	5.97	6.00	6.03	6.09	6.13	6.16	6.21	6.28	6.31	6.34	0.3%

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, 1994.

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/ Prices represent average revenue per kilowatthour.

Table 71. Electric Power and Projections for the U. S. (Continued)

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

10/ Estimated emissions from utilities and nonutilities (excluding cogenerators).

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1995 (except for prices): Energy Information Administration (EIA), Annual Energy Review 1995, DOE/EIA-0384(95) (Washington, D.C., July 1996). Prices and all projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 72. Electric Generation by Electricity Market Module Region and Source																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Nuclear	40.30	33.54	35.39	37.23	37.60	37.86	38.17	38.17	38.17	38.17	38.16	38.16	38.16	38.15	38.15	38.15	38.15	38.15	22.16	22.16	22.16	22.16	22.16	22.16	22.16	22.15	-2.5%
Pumped Storage/ Other 1/	2.83	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	-0.33	N/A
Renewables 2/	64.09	61.52	55.80	55.81	55.82	56.56	56.09	55.76	55.80	55.98	55.58	55.64	55.74	55.77	56.45	56.77	57.15	57.26	57.05	58.27	58.31	58.62	59.44	59.25	59.42	59.42	-0.3%
Total	173.68	182.71	194.37	207.15	203.10	209.71	204.66	202.91	200.56	203.72	210.54	216.08	221.37	225.40	231.82	234.84	241.17	246.50	248.98	254.08	249.70	255.74	259.28	264.90	266.89	266.89	1.8%

1/ Other includes methane, propane and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor for nonutilities.
2/ Renewables includes 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) and is net summer capability. 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: 1995 utility generation: Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report." 1995 nonutility generation: EIA, Form EIA-867, "Annual Nonutility Power Producer Report." Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 73. Electric Generation Capacity by Electricity Market Module Region and Source (Thousand Megawatts)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
East Central Area Reliability Coordination Agreement																											
Coal Steam	84.92	84.41	82.82	82.48	82.14	81.99	81.80	81.64	81.49	81.49	81.38	81.34	81.31	81.31	81.23	81.20	81.19	81.06	80.96	80.92	80.85	80.85	80.85	80.85	80.85	80.85	-0.2%
Other Fossil Steam 1/	3.80	3.64	3.34	3.34	1.84	1.84	1.57	1.55	1.42	1.06	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	-5.2%
Combined Cycle	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	1.06	1.18	1.26	1.63	2.19	3.19	4.24	5.30	6.03	7.10	8.15	9.91	11.00	12.54	13.69	13.83	14.46	14.46	12.6%
Combustion Turbine/ Diesel	9.97	11.23	22.24	22.31	22.31	22.40	22.65	25.21	26.86	28.80	30.05	30.98	32.84	34.02	34.99	35.71	36.70	37.24	38.30	39.34	39.76	39.99	41.07	42.11	42.94	42.94	6.3%
Nuclear Power	7.66	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	7.59	6.83	6.83	6.83	6.83	6.83	6.83	6.83	5.83	5.83	5.02	3.09	3.09	3.09	3.09	3.09	-3.7%
Pumped Storage/ Other 2/	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	3.28	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	0.00	N/A
Renewable Sources 3/	1.91	1.95	1.95	3.17	3.17	3.17	3.17	3.17	3.17	3.18	3.18	3.19	3.19	3.20	3.20	3.21	3.21	3.21	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.23	2.2%
Total	112.37	112.94	122.06	123.01	121.17	121.11	120.90	123.29	124.88	126.59	127.80	128.30	130.70	132.88	134.82	136.58	138.29	139.78	140.79	143.56	144.18	144.02	146.25	147.43	148.89	148.89	1.2%
Electric Reliability Council of Texas																											
Coal Steam	15.12	15.12	15.12	15.12	15.92	16.11	16.11	16.11	16.11	16.11	17.71	17.71	17.71	17.71	17.71	17.71	17.71	17.71	17.71	17.71	17.71	17.71	17.71	17.71	17.71	17.71	0.7%
Other Fossil Steam 1/	29.61	29.51	29.13	28.88	27.69	27.72	27.20	25.91	25.86	25.74	25.64	25.58	25.36	25.26	25.16	25.06	25.04	24.86	24.79	24.48	24.48	24.48	24.48	24.48	24.48	24.26	-0.8%
Combined Cycle	0.73	0.73	0.73	0.73	1.96	1.96	2.76	4.52	7.73	7.85	7.89	8.72	9.72	11.02	12.52	13.67	15.06	16.26	17.41	18.36	19.86	20.25	20.65	21.24	22.05	22.05	15.3%
Combustion Turbine/ Diesel	2.74	3.36	5.07	6.30	6.30	6.30	6.30	7.31	7.31	7.33	7.33	7.33	7.33	7.31	7.31	7.31	7.31	7.31	7.31	7.52	7.52	7.52	7.52	7.66	7.69	7.69	4.4%
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	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	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	0.00	N/A
Renewable Sources 3/	0.60	0.61	0.62	0.72	0.72	0.72	0.73	0.73	0.74	0.75	0.75	0.76	0.77	0.77	0.78	0.79	0.79	0.80	0.81	0.81	0.82	0.83	0.83	0.84	0.84	0.84	1.4%
Total	53.61	54.11	55.46	56.55	57.39	57.62	57.90	59.39	62.55	62.57	64.12	64.89	65.69	66.87	68.28	69.34	70.71	71.74	72.82	73.68	75.19	75.58	75.99	76.73	77.35	77.35	1.5%
Mid-Atlantic Area Council																											
Coal Steam	18.38	18.25	17.98	17.90	17.64	17.70	17.02	17.02	17.02	16.97	16.97	16.97	16.97	16.97	16.97	16.97	16.97	16.97	16.97	16.97	16.97	16.97	16.97	16.97	16.97	16.97	-0.3%
Other Fossil Steam 1/	9.15	9.07	8.88	7.39	6.12	3.89	3.00	3.00	3.00	3.00	3.00	3.00	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96	-4.6%
Combined Cycle	1.85	1.85	1.85	1.85	3.83	4.73	7.35	8.00	8.92	9.62	10.37	11.71	13.19	13.68	14.91	15.42	15.94	16.43	16.90	18.13	18.53	20.18	20.57	20.90	21.17	21.17	10.7%
Combustion Turbine/ Diesel	12.16	12.51	15.00	15.07	15.20	15.32	15.45	17.03	17.03	17.03	17.03	17.03	17.63	18.08	18.29	18.57	18.74	19.05	19.38	19.72	19.89	20.51	20.59	20.87	21.11	21.11	2.3%
Nuclear Power	12.81	12.81	12.19	12.19	12.19	12.19	12.19	12.19	12.19	12.19	11.09	10.06	10.06	9.27	9.27	9.27	9.27	9.27	8.44	8.44	6.49	6.49	6.49	6.49	6.49	6.49	-3.5%
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	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	0.00	0.00	N/A
Renewable Sources 3/	1.80	1.80	1.80	1.80	1.80	1.80	1.81	1.82	1.83	1.84	1.85	1.86	1.87	1.88	1.90	1.91	1.92	1.93	1.93	1.94	1.95	1.95	1.95	1.95	1.96	1.96	0.4%
Total	57.48	57.62	59.04	57.53	58.11	56.97	58.15	60.40	61.32	61.99	61.66	61.98	64.03	64.19	65.64	66.45	67.15	67.95	67.93	69.51	68.13	70.41	70.88	71.50	70.90	70.90	0.9%

Table 73. Electric Generation Capacity by Electricity Market Module Region and Source (Thousand Megawatts)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996- 2020	
Mid-America Interconnected Network																											
Coal Steam	27.71	27.46	27.04	26.86	25.29	24.42	21.94	24.72	25.13	25.31	25.43	25.62	25.65	25.63	25.55	25.63	25.66	25.71	25.76	25.87	26.04	26.21	26.30	26.36	26.41	26.41	-0.2%
Other Fossil Steam 1/	3.58	3.58	3.32	1.68	1.68	1.68	1.68	1.68	1.58	1.58	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	-3.4%
Combined Cycle	0.00	0.00	0.00	0.00	0.97	1.57	2.51	2.60	3.06	3.48	5.28	5.68	6.06	6.91	7.34	7.98	8.38	8.75	9.33	9.68	10.00	10.37	10.45	10.57	10.85	N/A	
Combustion Turbine/ Diesel	12.37	13.03	19.85	20.04	20.20	21.70	22.46	23.97	24.68	25.05	25.35	25.45	25.81	26.25	26.79	27.36	27.80	28.05	28.70	29.17	29.41	29.43	29.47	29.79	30.05	30.05	3.8%
Nuclear Power	14.80	14.80	14.80	14.80	14.03	13.26	12.10	12.10	12.10	10.02	10.02	10.02	9.51	9.51	9.01	9.01	9.01	8.57	8.57	8.57	8.57	8.57	8.57	8.57	8.57	8.57	-2.3%
Pumped Storage/ Other 2/	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	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/	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.79	0.80	0.80	0.80	0.81	0.82	0.82	0.4%
Total	59.56	59.97	66.11	64.47	63.27	63.73	61.79	66.19	67.66	66.56	68.78	69.45	69.72	70.99	71.39	72.69	73.56	73.79	75.07	76.01	76.73	77.30	77.52	78.01	78.63	78.63	1.2%
Mid-Continent Area Power Pool																											
Coal Steam	20.77	20.66	20.39	20.20	19.99	19.92	19.92	19.71	19.46	19.44	19.23	19.14	19.04	19.02	18.85	18.84	18.84	18.80	18.77	18.63	18.60	18.60	18.60	18.60	18.60	18.60	-0.5%
Other Fossil Steam 1/	0.55	0.53	0.44	0.38	0.38	0.24	0.24	0.22	0.11	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.07	0.07	0.07	0.05	0.05	0.05	0.05	0.05	0.05	0.05	-9.2%
Combined Cycle	0.15	0.15	0.15	0.15	0.15	0.15	0.66	1.00	1.02	1.98	2.54	2.67	3.04	3.41	3.80	4.82	5.22	5.50	5.81	7.27	7.68	7.96	8.08	8.33	8.60	18.3%	
Combustion Turbine/ Diesel	5.01	5.36	6.78	7.11	7.26	8.21	8.39	9.41	10.45	11.57	11.57	11.57	11.85	12.15	12.34	12.50	12.56	12.72	13.11	13.89	13.89	13.89	13.98	14.30	14.45	14.45	4.5%
Nuclear Power	3.74	3.74	3.74	3.74	3.74	3.74	3.35	2.88	2.10	2.10	2.10	2.10	2.10	2.10	1.56	1.56	1.56	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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/	3.70	3.71	3.89	4.16	4.22	4.30	4.45	4.46	4.47	4.48	4.49	4.49	4.50	4.51	4.52	4.53	4.53	4.54	4.54	4.55	4.55	4.55	4.56	4.56	4.56	0.9%	
Total	33.91	34.14	35.39	35.74	35.74	36.56	37.01	37.68	37.61	39.66	40.02	40.07	40.63	41.28	41.16	42.33	42.79	43.19	42.31	44.40	44.79	45.07	45.27	45.84	46.26	46.26	1.3%
Northeast Power Coordinating Council/ New York																											
Coal Steam	4.55	4.37	4.07	4.01	4.01	4.01	4.01	3.93	3.93	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	-0.7%
Other Fossil Steam 1/	12.92	12.60	12.37	12.35	11.84	10.69	9.87	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63	6.63	-2.7%
Combined Cycle	0.26	0.26	0.26	0.26	0.63	1.62	2.18	2.78	5.33	5.54	5.70	5.73	5.88	6.02	6.40	6.55	6.69	6.79	6.92	7.70	8.36	8.48	8.58	8.59	8.66	15.8%	
Combustion Turbine/ Diesel	3.81	3.84	4.91	4.96	5.91	5.96	6.52	7.06	8.04	8.38	8.38	8.43	8.50	8.53	8.69	8.75	8.78	8.82	8.94	8.99	9.25	9.29	9.29	9.30	9.31	9.31	3.8%
Nuclear Power	4.91	4.91	4.91	4.30	4.30	4.30	4.30	3.36	3.36	3.36	3.36	3.36	3.36	2.89	2.89	2.89	2.89	2.89	2.07	1.09	1.09	1.09	1.09	1.09	1.09	-6.1%	
Pumped Storage/ Other 2/	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	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/	4.66	4.72	4.77	4.82	4.89	4.97	5.02	5.13	5.19	5.24	5.30	5.30	5.30	5.30	5.31	5.31	5.32	5.32	5.33	5.33	5.34	5.34	5.34	5.34	5.34	0.6%	
Total	32.40	31.98	32.57	31.97	32.86	32.82	33.18	30.19	33.77	34.30	34.51	34.59	34.80	34.51	35.06	35.28	35.44	35.59	35.00	34.86	35.79	35.94	36.05	36.07	36.15	36.15	0.5%

Table 73. Electric Generation Capacity by Electricity Market Module Region and Source (Thousand Megawatts)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Northeast Power Coordinating Council/ New England																											
Coal Steam	2.82	2.75	2.55	2.55	2.55	2.50	2.50	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	-0.6%
Other Fossil Steam 1/	8.13	8.04	7.82	7.73	7.48	7.03	6.06	5.93	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.85	5.85	5.85	5.85	5.85	5.85	5.85	5.85	5.85	5.85	-1.4%
Combined Cycle	1.17	1.17	1.17	1.17	3.21	4.63	4.99	6.62	6.70	6.87	7.52	7.69	7.82	8.02	8.20	8.36	8.61	8.70	8.89	9.11	9.91	10.12	10.25	10.26	10.39	9.5%	
Combustion Turbine/ Diesel	1.77	1.82	1.86	2.42	2.40	2.40	2.82	2.82	3.12	3.12	3.12	3.12	3.16	3.16	3.16	3.19	3.19	3.19	3.26	3.26	3.35	3.35	3.35	3.37	3.37	2.7%	
Nuclear Power	6.38	5.82	4.95	4.95	4.31	4.31	3.64	3.64	3.64	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	2.28	2.28	2.28	2.28	2.28	2.28	-4.2%	
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/	3.36	3.37	3.39	3.40	3.41	3.43	3.44	3.49	3.50	3.52	3.53	3.55	3.56	3.58	3.59	3.60	3.62	3.63	3.64	3.65	3.66	3.66	3.66	3.66	3.67	0.4%	
Total	25.29	24.62	23.39	23.87	25.02	25.95	25.11	26.61	26.96	26.65	27.31	27.50	27.67	27.89	28.08	28.29	28.52	28.62	28.90	28.25	29.15	29.36	29.49	29.53	29.66	0.7%	
Southeastern Electric Reliability Council/ Florida																											
Coal Steam	9.83	9.83	9.83	9.83	9.83	10.87	10.87	11.14	11.65	12.25	12.51	12.59	12.59	12.77	13.28	13.77	14.29	15.01	15.68	16.26	18.40	19.17	19.39	19.45	19.45	2.9%	
Other Fossil Steam 1/	13.34	13.34	13.28	13.20	13.09	13.09	13.01	12.61	12.59	12.59	12.50	12.48	12.48	12.48	11.85	11.72	11.40	11.38	11.38	11.38	11.38	10.88	10.88	10.88	10.88	-0.8%	
Combined Cycle	3.31	3.73	4.23	4.23	4.82	4.82	4.82	4.82	6.12	6.12	6.12	6.12	6.12	6.12	6.42	7.30	7.59	8.19	8.74	8.77	9.00	9.00	9.15	9.15	9.36	4.4%	
Combustion Turbine/ Diesel	5.28	5.28	5.47	6.60	6.60	6.54	6.53	8.33	8.30	8.30	8.30	8.29	8.29	8.04	8.16	8.20	8.27	8.27	8.45	8.45	8.45	8.45	8.45	8.45	8.45	2.0%	
Nuclear Power	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.82	3.16	2.49	2.49	2.49	0.84	0.84	0.84	0.84	0.84	-6.1%	
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/	0.56	0.57	0.59	0.60	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.70	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.79	0.82	0.88	0.90	0.90	2.0%	
Total	36.15	36.58	37.23	38.28	38.77	39.76	39.68	41.35	43.12	43.74	43.92	43.99	44.00	44.01	43.62	45.01	44.86	45.37	46.65	47.54	46.72	48.38	49.38	49.61	49.88	1.4%	
Southeastern Electric Reliability Council/ excluding Florida																											
Coal Steam	63.59	63.17	62.37	62.30	62.22	62.37	62.37	62.47	62.46	62.46	62.42	62.13	62.02	61.67	61.48	61.46	61.32	61.12	61.24	62.31	62.56	61.80	62.25	62.48	62.24	-0.1%	
Other Fossil Steam 1/	3.04	2.96	2.87	2.83	2.67	2.52	2.50	2.50	2.21	2.21	2.12	2.12	2.12	2.07	2.07	2.00	2.00	1.92	1.92	1.92	1.71	1.71	1.60	1.60	1.60	-2.6%	
Combined Cycle	1.79	1.79	1.79	1.79	1.79	1.79	2.42	2.42	4.36	5.50	7.30	7.70	8.40	9.81	11.73	13.10	14.69	17.26	21.62	24.50	25.99	28.16	30.02	32.02	33.33	13.0%	
Combustion Turbine/ Diesel	10.43	13.13	22.92	30.46	30.46	30.67	30.61	34.58	34.93	36.63	36.82	36.95	37.73	39.35	39.55	40.75	41.70	41.24	42.31	43.44	43.60	43.96	44.03	45.08	45.69	6.3%	
Nuclear Power	26.70	25.63	25.63	25.63	25.63	25.63	25.63	24.57	24.57	24.57	24.57	24.57	24.57	24.57	23.88	23.88	23.08	20.59	18.23	18.23	16.40	15.58	13.88	13.88	11.87	-3.3%	
Pumped Storage/ Other 2/	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	6.68	6.68	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/	12.19	12.26	12.32	12.33	12.35	12.37	12.40	12.43	12.44	12.45	12.46	12.47	12.49	12.50	12.51	12.52	12.53	12.54	12.57	12.60	12.63	12.63	12.64	12.64	12.70	0.2%	
Total	124.42	125.62	134.58	142.02	141.80	142.04	142.64	146.71	147.92	150.48	152.45	152.62	154.00	156.64	157.90	160.39	161.99	161.34	164.56	169.68	169.57	170.52	171.10	174.37	174.1	1.4%	

Table 73. Electric Generation Capacity by Electricity Market Module Region and Source (Thousand Megawatts)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Southwest Power Pool																										
Coal Steam	27.47	27.47	27.46	27.44	27.20	28.56	28.56	28.66	29.27	29.54	29.62	29.83	29.89	29.98	30.04	29.75	29.91	29.71	30.00	29.83	30.11	29.93	30.18	30.45	30.18	0.4%
Other Fossil Steam 1/	30.09	29.49	28.93	28.28	27.33	27.33	26.97	26.23	25.84	25.07	24.99	24.69	24.67	24.59	24.54	24.14	24.08	23.15	22.60	22.39	22.31	22.31	22.31	22.31	22.31	-1.2%
Combined Cycle	1.35	1.35	1.35	1.35	3.18	3.18	3.78	4.62	6.99	8.16	9.59	10.42	11.09	12.08	13.17	14.30	15.40	17.59	18.54	19.55	20.61	20.92	21.31	22.03	22.38	12.4%
Combustion Turbine/ Diesel	4.50	4.50	4.66	4.66	4.66	4.56	4.56	5.91	5.91	5.91	5.91	5.91	5.91	6.31	6.52	6.74	7.36	7.84	8.83	9.61	9.74	9.87	10.08	10.77	11.20	3.9%
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	5.09	5.09	5.09	5.09	5.09	5.09	4.23	4.23	4.23	-1.4%
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	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 Sources 3/	2.79	2.79	2.90	2.91	2.91	2.92	2.92	2.93	2.93	2.94	2.95	2.96	2.97	2.98	2.99	3.00	3.01	3.02	3.03	3.04	3.04	3.05	3.06	3.06	3.07	0.4%
Total	72.63	72.04	71.74	71.07	71.71	72.98	73.22	74.78	77.37	78.06	79.50	80.25	80.97	82.37	83.69	84.36	85.35	86.91	88.60	90.02	91.42	91.68	91.68	93.35	93.87	1.1%
Western Systems Coordinating Council/ N.W. Power Pool Area																										
Coal Steam	11.47	11.47	11.47	11.47	11.40	11.47	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	11.48	0.0%
Other Fossil Steam 1/	0.79	0.66	0.59	0.59	0.59	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.44	0.44	0.35	0.35	0.35	0.24	0.24	0.24	0.24	0.24	0.24	0.24	-4.9%
Combined Cycle	0.95	0.95	0.95	0.95	1.93	1.97	4.48	6.10	7.75	8.19	8.30	8.55	8.55	8.55	8.55	8.79	9.45	9.57	10.04	10.39	11.70	11.78	11.78	11.78	12.11	11.2%
Combustion Turbine/ Diesel	7.04	9.73	9.73	9.78	9.78	10.83	10.83	12.05	12.05	12.05	12.05	12.05	12.05	12.05	12.05	12.05	12.05	12.05	12.05	12.05	12.05	12.05	12.05	12.05	12.05	2.3%
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	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	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	0.00	N/A
Renewable Sources 3/	35.41	35.43	35.44	35.46	35.45	35.52	35.59	35.60	35.63	35.72	35.76	35.78	35.89	35.91	35.93	35.98	36.04	36.13	36.18	36.31	36.33	36.34	36.49	36.69	36.76	0.2%
Total	57.09	59.68	59.61	59.68	60.57	61.69	64.29	67.14	68.82	69.35	69.50	69.77	69.88	69.85	69.86	70.07	70.80	71.01	71.41	71.90	73.22	73.31	73.46	73.66	74.06	1.1%
Western Systems Coordinating Council/ Rocky Mountain Power Area & Arizona																										
Coal Steam	13.39	13.30	13.27	13.27	13.27	13.88	13.87	13.93	14.09	14.14	14.17	14.18	14.17	14.20	14.23	14.26	14.30	14.34	14.32	14.39	14.47	14.55	14.64	14.71	14.79	0.4%
Other Fossil Steam 1/	2.67	2.65	2.42	2.41	1.95	1.83	1.60	1.20	0.95	0.86	0.70	0.70	0.59	0.51	0.51	0.51	0.51	0.51	0.42	0.42	0.42	0.42	0.42	0.42	0.42	-7.4%
Combined Cycle	0.99	0.99	1.21	1.21	2.30	2.30	2.49	3.09	3.89	4.31	4.60	4.91	5.44	5.94	6.42	6.90	7.35	7.78	8.36	8.74	9.13	9.47	9.76	10.06	10.34	10.3%
Combustion Turbine/ Diesel	2.08	4.00	4.22	4.86	4.86	4.86	4.97	6.44	6.44	6.44	6.44	6.57	6.84	7.06	7.20	7.39	7.47	7.63	7.84	8.15	8.23	8.30	8.37	8.59	8.71	6.2%
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	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	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	0.00	N/A
Renewable Sources 3/	4.34	4.36	4.42	4.42	4.42	4.43	4.43	4.44	4.44	4.45	4.46	4.47	4.48	4.49	4.50	4.51	4.53	4.54	4.55	4.56	4.57	4.57	4.60	4.62	4.64	0.3%
Total	27.17	29.02	29.25	29.87	30.51	31.01	31.07	32.81	33.52	33.90	34.07	34.53	35.23	35.91	36.57	37.28	37.87	38.52	39.19	39.96	40.53	41.03	41.50	42.10	42.60	1.9%

Table 73. Electric Generation Capacity by Electricity Market Module Region and Source (Thousand Megawatts)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Western Systems Coordinating Council/ California-Southern Nevada Power																										
Coal Steam	5.31	5.31	5.31	5.31	5.31	5.31	5.95	5.95	6.08	6.66	7.19	7.37	7.61	7.78	8.01	10.26	10.40	11.82	14.76	15.97	16.74	16.74	17.90	18.06	18.62	5.4%
Other Fossil Steam 1/	20.45	20.45	19.78	18.96	18.63	18.46	18.46	18.46	18.46	18.42	18.42	18.35	18.35	18.35	18.21	18.21	18.21	18.21	18.21	18.21	18.21	18.21	18.21	18.21	18.21	-0.5%
Combined Cycle	1.92	2.07	2.07	2.07	2.07	2.33	2.33	2.35	2.44	2.53	2.53	2.57	2.61	2.67	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	2.81	1.6%
Combustion Turbine/ Diesel	2.86	2.86	2.86	2.86	4.44	4.44	4.49	5.09	5.54	5.54	5.59	5.64	6.01	6.14	6.45	6.48	6.48	6.48	6.48	6.48	6.49	6.75	6.75	6.75	6.88	3.7%
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	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	-2.2%
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	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	0.00	N/A
Renewable Sources 3/	16.57	16.57	16.58	16.58	16.58	16.85	16.75	16.72	16.81	16.87	16.78	16.80	16.82	16.83	16.91	16.93	16.99	16.98	16.93	17.12	17.08	17.15	17.28	17.19	17.23	0.2%
Total	55.97	56.12	55.45	54.63	55.89	56.25	56.85	57.44	58.19	58.87	59.36	59.59	60.25	60.63	61.25	63.55	63.74	63.01	65.90	67.30	68.04	68.37	69.66	69.73	70.46	1.0%

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 capacity for utilities and nonutilities (excluding cogenerators) and is net summer capability. 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: 1995 utility: Energy Information Administration (EIA), Form EIA-860, "Annual Electric Generator Report." 1995 nonutility: EIA, Form EIA-867, "Annual Nonutility Power Producer Report." Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 74. Renewable Resources Consumption/Displacement by Region and Source for Electricity (Trillion BTU)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996 2020	
SERC/ STV/ excluding Florida																											
Conventional Hydropower ...	410.61	434.84	372.82	373.00	373.28	373.84	374.25	374.64	374.30	374.30	374.30	374.30	374.30	374.30	374.30	374.30	374.30	374.30	374.30	374.30	374.30	374.30	374.30	374.30	374.30	374.30	-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	0.00	0.00	N/A
MSW	—	21.41	22.48	23.42	24.38	25.38	26.36	27.37	28.31	29.72	31.01	32.37	33.69	34.95	36.09	37.15	38.11	39.00	39.78	40.49	41.10	41.45	41.74	41.95	42.09	—	
Biomass 2/	—	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	5.04	—
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	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	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	0.92	1.81	2.47	2.47	2.47	2.47	4.45	N/A
SPP																											
Conventional Hydropower ...	70.33	104.74	94.00	96.76	96.76	96.76	96.76	96.76	96.76	96.76	96.76	96.76	96.76	96.76	96.76	96.76	96.76	96.76	96.76	96.76	96.76	96.76	96.76	96.76	96.76	96.76	1.3%
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	0.00	0.00	N/A
MSW	—	6.29	6.64	7.04	7.49	7.97	8.48	9.04	9.54	10.42	11.17	11.93	12.68	13.36	13.96	14.51	14.98	15.40	15.76	16.09	16.35	16.60	16.78	16.90	16.98	—	
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	0.00	0.00	0.00	0.00	0.00	0.00	—
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	0.00	0.00	N/A
Solar Photovoltaic 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.10	0.15	0.22	0.29	0.37	0.44	0.52	0.64	0.77	0.89	1.02	1.15	1.27	1.40	1.53	1.65	1.78	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	0.00	0.00	N/A
WSSC/ NWP																											
Conventional Hydropower ...	1734.04	1652.15	1553.21	1552.80	1551.25	1550.53	1550.53	1550.53	1550.53	1550.53	1550.53	1550.53	1550.53	1550.53	1550.53	1550.53	1550.53	1550.53	1550.53	1550.53	1550.53	1550.53	1550.53	1550.53	1550.53	1550.53	-0.5%
Geothermal 1/	50.61	36.80	37.04	37.22	37.41	49.96	63.50	63.89	68.39	83.66	90.06	90.27	94.96	95.20	95.65	96.07	100.97	96.51	96.67	97.17	97.17	97.33	111.27	124.83	127.27	3.9%	
MSW	—	10.82	11.28	11.75	12.26	12.80	13.36	13.96	14.50	15.41	16.20	17.01	17.81	18.54	19.20	19.80	20.33	20.80	21.21	21.59	21.90	22.14	22.33	22.46	22.54	—	
Biomass 2/	—	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	5.31	—
Solar Thermal 3/	0.00	0.00	0.00	0.00	0.00	0.03	0.06	0.09	0.12	0.15	0.18	0.21	1.24	1.27	1.30	1.42	1.54	1.66	1.78	1.89	2.04	2.19	2.34	2.49	2.63	N/A	
Solar Photovoltaic 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.20	0.31	0.44	0.58	2.06	2.26	2.47	2.68	2.89	3.10	3.31	3.52	3.73	3.95	4.16	4.36	4.57	N/A	
Wind	0.00	0.02	0.02	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	1.82	3.22	5.41	6.44	10.14	10.14	10.14	12.23	16.60	17.95	N/A	
WSSC/ RA																											
Conventional Hydropower ...	143.57	173.70	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	148.62	0.1%
Geothermal 1/	87.18	83.43	83.98	84.39	84.82	85.27	85.68	86.20	86.87	87.15	87.75	87.96	88.40	88.63	89.05	89.44	96.17	91.92	92.07	92.55	92.55	92.70	96.89	97.09	97.07	0.4%	
MSW	—	4.05	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	
Solar Thermal 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	0.07	0.13	0.20	0.27	0.35	0.40	0.47	0.53	0.60	0.66	0.73	0.80	N/A	
Solar Photovoltaic 3/	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.09	0.17	0.26	0.37	0.48	0.59	0.77	0.94	1.08	1.23	1.38	1.52	1.67	1.82	1.97	2.12	2.27	2.41	N/A	
Wind	0.00	0.04	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	1.68	2.07	N/A	

Table 74. Renewable Resources Consumption/Displacement by Region and Source for Electricity (Trillion BTU)																												
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996 2020		
WSSC/ CNV																												
Conventional Hydropower . . .	470.46	407.87	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	349.04	-1.2%	
Geothermal 1/	269.88	346.80	349.09	350.79	352.57	354.43	342.27	329.59	317.25	319.27	308.87	310.59	314.21	315.02	324.37	311.51	338.23	309.57	302.46	335.27	335.27	339.99	345.71	338.84	342.37	342.37	1.0%	
MSW	—	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	30.79	—	
Biomass 2/	—	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	23.44	26.23	33.15	33.15	38.00	38.00	39.14	39.14	39.14	44.21	44.40	44.40	—
Solar Thermal 3/	8.47	9.41	9.41	9.41	9.41	10.33	10.37	10.41	10.48	10.56	10.71	10.86	11.01	11.16	11.31	11.43	11.54	11.65	11.77	11.88	11.99	12.14	12.30	12.45	12.60	12.60	1.7%	
Solar Photovoltaic 3/	0.03	0.28	0.36	0.44	0.51	0.71	0.92	1.04	1.14	1.25	1.40	1.56	1.72	1.88	2.04	2.26	2.47	2.69	3.01	3.34	3.66	3.99	4.30	4.62	4.96	4.96	23.6%	
Wind	31.77	38.19	38.19	38.19	38.19	44.71	44.71	46.48	52.00	53.41	53.41	53.41	53.41	53.41	54.04	54.04	54.04	54.04	54.04	54.04	54.04	54.04	55.32	55.41	55.41	55.41	2.3%	
United States																												
Conventional Hydropower . . .	3559.72	3546.07	3184.39	3217.77	3248.44	3248.27	3253.10	3262.15	3266.25	3270.70	3275.15	3275.37	3275.59	3275.76	3275.95	3276.16	3276.38	3276.52	3276.66	3276.8	3276.96	3277.10	3277.22	3277.36	3277.51	3277.51	-0.3%	
Geothermal 1/	429.33	473.07	476.28	478.74	481.29	496.32	498.22	486.60	479.59	497.29	494.05	496.32	505.23	506.62	516.99	505.08	543.96	506.28	499.57	533.47	533.55	538.68	562.60	569.58	575.6	575.6	1.2%	
MSW	—	313.76	321.23	326.70	332.21	338.51	345.48	352.61	359.52	370.18	380.22	390.77	401.10	411.50	421.14	430.10	438.29	445.97	452.73	458.83	464.16	466.94	469.36	471.15	472.34	472.34	—	
Biomass 2/	—	79.83	79.83	79.83	79.83	82.61	84.46	84.46	84.46	84.46	84.46	84.46	84.46	84.46	87.25	94.17	94.17	99.02	99.02	100.16	100.98	102.94	112.42	113.80	114.11	114.11	—	
Solar Thermal 3/	8.47	9.41	9.41	9.41	9.41	10.36	10.43	10.50	10.60	10.71	10.89	11.07	12.26	12.50	12.75	13.05	13.34	13.64	13.94	14.24	14.57	0.00	0.00	0.00	0.00	0.00	N/A	
Solar Photovoltaic 3/	0.03	0.29	0.38	0.45	0.53	0.73	0.94	1.30	1.67	2.05	2.55	3.05	4.89	5.54	6.18	6.95	7.73	8.50	9.41	10.32	11.22	12.14	13.04	13.95	14.86	14.86	29.4%	
Wind	32.57	40.26	46.32	56.50	58.30	66.68	69.22	72.23	77.76	79.17	79.17	79.18	79.18	79.18	79.82	80.95	82.36	84.55	86.50	91.09	91.76	93.04	95.22	99.87	103.58	103.58	4.9%	

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, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 75. Renewable Resources, Generating Capacity by EMM Region and Source (Thousand Megawatts)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996 2020
ECAR																										
Conventional Hydropower . . .	1.63	1.68	1.68	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.4%
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	0.00	N/A
MSW	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.17	1.5%
Biomass 2/	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	0.16	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	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	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	0.00	N/A
Total	1.91	1.95	1.95	3.17	3.17	3.17	3.17	3.17	3.17	3.18	3.18	3.19	3.19	3.20	3.20	3.21	3.21	3.21	3.22	3.22	3.22	3.22	3.22	3.22	3.23	2.2%
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	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	0.00	N/A
MSW	0.05	0.05	0.06	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	0.14	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	0.00	0.00	0.00	0.00	0.00	0.00	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	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.04	0.04	24.2%
Wind	0.04	0.04	0.04	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	5.3%
Total	0.60	0.61	0.62	0.72	0.72	0.72	0.73	0.73	0.74	0.75	0.75	0.76	0.77	0.77	0.78	0.79	0.79	0.80	0.81	0.81	0.82	0.83	0.83	0.84	0.84	1.4%
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	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	0.00	N/A
MSW	0.54	0.54	0.54	0.54	0.54	0.54	0.55	0.56	0.57	0.58	0.59	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.69	0.70	0.70	0.70	0.70	1.1%
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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	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	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	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	0.00	N/A
Total	1.80	1.80	1.80	1.80	1.80	1.80	1.81	1.82	1.83	1.84	1.85	1.86	1.87	1.88	1.90	1.91	1.92	1.93	1.93	1.94	1.95	1.95	1.95	1.95	1.96	0.4%
MAIN																										
Conventional Hydropower . . .	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	N/A
Geothermal 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	0.00	N/A
MSW	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	2.6%
Biomass 2/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	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	0.03	6.7%
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	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	0.00	N/A
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	0.01	26.5%
Total	0.74	0.75	0.75	0.75	0.76	0.76	0.76	0.76	0.76	0.76	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.79	0.79	0.80	0.80	0.80	0.81	0.82	0.82	0.4%

Table 75. Renewable Resources, Generating Capacity by EMM Region and Source (Thousand Megawatts)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996 2020	
MAPP																											
Conventional Hydropower . . .	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	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	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	0.00	0.00	N/A
MSW	0.18	0.18	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.24	0.25	0.26	0.27	0.27	0.28	0.29	0.29	0.30	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.32	2.5%
Biomass 2/	0.10	0.10	0.10	0.10	0.10	0.17	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	3.3%
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	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	0.00	0.00	N/A
Wind	0.02	0.02	0.20	0.46	0.52	0.52	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	0.62	0.62	0.62	0.62	14.8%
Total	3.70	3.71	3.89	4.16	4.22	4.30	4.45	4.46	4.47	4.48	4.49	4.49	4.50	4.51	4.52	4.53	4.53	4.54	4.54	4.55	4.55	4.55	4.56	4.56	4.56	0.9%	
NPCC/ NY																											
Conventional Hydropower . . .	4.36	4.42	4.47	4.52	4.59	4.59	4.65	4.76	4.81	4.87	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	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	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	0.29	0.29	0.30	0.30	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.6%
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	0.02	0.02	0.02	0.02	0.02	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	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	0.00	0.00	N/A
Wind	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	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
Total	4.66	4.72	4.77	4.82	4.89	4.97	5.02	5.13	5.19	5.24	5.30	5.30	5.30	5.30	5.31	5.31	5.32	5.32	5.33	5.33	5.34	5.34	5.34	5.34	5.34	0.6%	
NPCC/ NE																											
Conventional Hydropower . . .	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	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	0.00	0.00	N/A
MSW	0.51	0.51	0.52	0.53	0.55	0.56	0.57	0.58	0.59	0.61	0.62	0.64	0.65	0.67	0.68	0.70	0.71	0.72	0.73	0.74	0.75	0.75	0.75	0.75	0.76	0.76	1.7%
Biomass 2/	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	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	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	0.00	0.00	N/A
Wind	0.00	0.01	0.01	0.01	0.01	0.01	0.01	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	19.7%
Total	3.36	3.37	3.39	3.40	3.41	3.43	3.44	3.49	3.50	3.52	3.53	3.55	3.56	3.58	3.59	3.60	3.62	3.63	3.64	3.65	3.66	3.66	3.66	3.66	3.67	0.4%	
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	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	0.00	0.00	N/A
MSW	0.49	0.50	0.51	0.53	0.54	0.55	0.56	0.57	0.57	0.59	0.60	0.61	0.62	0.63	0.64	0.66	0.67	0.68	0.68	0.69	0.70	0.70	0.70	0.71	0.71	0.71	1.6%
Biomass 2/	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.07	0.13	0.14	0.14	7.2%	
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	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	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	0.00	0.00	N/A
Total	0.56	0.57	0.59	0.60	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.70	0.71	0.72	0.73	0.74	0.75	0.76	0.77	0.79	0.82	0.88	0.90	0.90	2.0%	

Table 75. Renewable Resources, Generating Capacity by EMM Region and Source (Thousand Megawatts)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996 2020	
SERC/ STV/ excluding Florida																											
Conventional Hydropower . . .	11.76	11.81	11.87	11.87	11.88	11.89	11.92	11.93	11.93	11.93	11.93	11.93	11.93	11.93	11.93	11.93	11.93	11.93	11.93	11.93	11.93	11.93	11.93	11.93	11.93	11.93	0.1%
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	0.00	0.00	N/A
MSW	0.27	0.28	0.29	0.29	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.46	0.46	0.46	0.46	0.47	2.3%
Biomass 2/	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	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	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	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	0.03	0.06	0.08	0.08	0.08	0.08	0.08	0.14	N/A
Total	12.19	12.26	12.32	12.33	12.35	12.37	12.40	12.43	12.44	12.45	12.46	12.47	12.49	12.50	12.51	12.52	12.53	12.54	12.57	12.60	12.63	12.63	12.64	12.64	12.70	0.2%	
SPP																											
Conventional Hydropower . . .	2.73	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	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	0.00	0.00	N/A
MSW	0.05	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Thermal 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	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	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.07	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	0.00	0.00	N/A
Total	2.79	2.79	2.90	2.91	2.91	2.92	2.92	2.93	2.93	2.94	2.95	2.96	2.97	2.98	2.99	3.00	3.01	3.02	3.03	3.04	3.04	3.05	3.06	3.06	3.07	0.4%	
WSCC/ NWP																											
Conventional Hydropower . . .	34.98	35.00	35.00	34.99	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	-0.0%
Geothermal 1/	0.21	0.21	0.21	0.21	0.21	0.27	0.34	0.34	0.36	0.43	0.46	0.46	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.56	0.63	0.64	4.8%
MSW	0.09	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.14	0.14	0.15	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.20	0.20	3.4%
Biomass 2/	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	0.13	0.13	0.13	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	0.01	0.01	0.01	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.09	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	0.02	0.03	0.07	0.08	0.09	0.09	0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.18	N/A
Wind	0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.06	0.11	0.18	0.21	0.32	0.32	0.32	0.38	0.51	0.55	30.2%	
Total	35.41	35.43	35.44	35.46	35.45	35.52	35.59	35.60	35.63	35.72	35.76	35.78	35.89	35.91	35.93	35.98	36.04	36.13	36.18	36.31	36.33	36.34	36.49	36.69	36.76	0.2%	
WSCC/ RA																											
Conventional Hydropower . . .	3.95	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/	0.35	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	0.36	0.36	0.36	0.36	0.36	0.36	0.38	0.38	0.38	0.3%	
MSW	0.04	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	0.10	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Solar Thermal 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	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	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	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.08	N/A
Wind	0.00	0.00	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	0.08	N/A
Total	4.34	4.36	4.42	4.42	4.42	4.43	4.43	4.44	4.44	4.45	4.46	4.47	4.48	4.49	4.50	4.51	4.53	4.54	4.55	4.56	4.57	4.57	4.60	4.62	4.64	0.3%	

Table 75. Renewable Resources, Generating Capacity by EMM Region and Source (Thousand Megawatts)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996 2020	
WACC/ CNV																											
Conventional Hydropower . . .	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	11.31	N/A	
Geothermal 1/	2.46	2.46	2.46	2.46	2.46	2.46	2.36	2.25	2.15	2.15	2.06	2.06	2.07	2.07	2.08	1.98	2.03	1.93	1.87	2.02	1.96	1.98	2.01	1.91	1.92	-1.0%	
MSW	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	0.25	0.25	N/A	
Biomass 2/	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	0.44	0.55	0.55	0.62	0.62	0.64	0.64	0.64	0.72	0.73	0.73	2.6%	
Solar Thermal 3/	0.36	0.36	0.36	0.36	0.36	0.39	0.39	0.39	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	0.44	0.44	0.44	0.45	0.9%
Solar Photovoltaic 3/	0.01	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	12.7%	
Wind	1.78	1.78	1.78	1.78	1.78	2.02	2.02	2.08	2.28	2.32	2.32	2.32	2.32	2.32	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.38	2.39	2.39	2.39	1.2%
Total	16.57	16.57	16.58	16.58	16.58	16.85	16.75	16.72	16.81	16.87	16.78	16.80	16.82	16.83	16.91	16.93	16.99	16.98	16.93	17.12	17.08	17.15	17.28	17.19	17.23	0.2%	
United States																											
Conventional Hydropower . . .	78.58	78.78	79.00	80.27	80.32	80.34	80.42	80.54	80.60	80.65	80.71	80.71	80.71	80.71	80.71	80.71	80.71	80.71	80.71	80.71	80.71	80.71	80.71	80.71	80.71	80.71	0.1%
Geothermal 1/	3.02	3.02	3.02	3.02	3.02	3.08	3.05	2.94	2.85	2.93	2.87	2.87	2.92	2.92	2.92	2.82	2.88	2.78	2.72	2.87	2.82	2.84	2.95	2.91	2.94	-0.1%	
MSW	2.91	2.95	3.02	3.06	3.11	3.17	3.23	3.30	3.36	3.46	3.55	3.64	3.74	3.83	3.92	4.00	4.07	4.14	4.21	4.26	4.31	4.33	4.36	4.37	4.38	1.7%	
Biomass 2/	1.91	1.91	1.91	1.91	1.91	1.98	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.07	2.18	2.18	2.26	2.26	2.28	2.29	2.32	2.47	2.49	2.50	1.1%	
Solar Thermal 3/	0.36	0.36	0.36	0.36	0.36	0.39	0.39	0.39	0.40	0.40	0.40	0.41	0.45	0.46	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.54	0.55	0.56	1.8%	
Solar Photovoltaic 3/	0.01	0.01	0.01	0.01	0.02	0.02	0.03	0.05	0.06	0.08	0.10	0.12	0.17	0.20	0.22	0.25	0.28	0.31	0.35	0.38	0.42	0.45	0.49	0.52	0.56	18.0%	
Wind	1.85	1.86	2.09	2.48	2.55	2.87	2.97	3.07	3.26	3.31	3.31	3.31	3.31	3.31	3.33	3.37	3.41	3.48	3.54	3.68	3.70	3.74	3.81	3.94	4.06	3.3%	
Total	88.64	88.89	89.40	91.11	91.29	91.84	92.11	92.32	92.56	92.86	92.96	93.09	93.32	93.45	93.64	93.80	94.02	94.18	94.28	94.69	94.76	94.92	95.32	95.50	95.70	0.3%	

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, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 76. Domestic Refinery Distillation Base Capacity, Expansion, and Utilization (Million of Barrels per Day)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
PAD District I																											
Base Capacity	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.2%	
Capacity Additions	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	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	N/A
Total Capacity	1.4	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.0%
Utilization	90.0	90.0	91.0	91.4	92.4	90.4	92.2	92.3	93.0	93.7	93.5	94.0	94.0	93.2	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	0.2%
PAD Districts II to IV																											
Base Capacity	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	11.0	11.0	11.0	11.0	0.0%
Capacity Additions	0.1	0.1	0.2	0.3	0.4	0.7	0.8	0.9	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	10.7%
Total Capacity	11.1	11.1	11.2	11.3	11.5	11.7	11.8	11.9	12.1	12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	0.4%
Utilization	95.8	95.8	96.8	96.0	96.0	94.7	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	96.0	96.0	0.0%
PAD District V																											
Base Capacity	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	-0.0%
Capacity Additions	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	N/A
Total Capacity	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.1	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.6	3.6	3.6	3.6	0.8%
Utilization	89.0	89.0	90.0	86.6	87.7	90.4	92.1	93.0	92.0	92.3	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	0.2%
United States																											
Base Capacity	15.4	15.5	15.6	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	0.0%
Capacity Additions	0.0	0.0	0.0	0.3	0.4	0.7	0.9	1.1	1.3	1.4	1.5	1.6	1.6	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	N/A
Total Capacity	15.4	15.5	15.6	15.8	15.9	16.2	16.3	16.5	16.7	16.8	17.0	17.0	17.0	17.1	17.1	17.2	17.2	17.3	17.3	17.4	17.4	17.5	17.5	17.5	17.5	17.5	0.5%
Utilization	94.0	94.0	95.0	93.8	94.1	93.5	94.9	94.4	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	0.1%

PAD = Petroleum Administration for Defense.

N/A = Not applicable.

Source: 1996: Estimated based on biennial data from 1995 and 1997. 1997: Energy Information Administration (EIA), Petroleum Supply Annual 1996, DOE/EIA-0340(96)/1 (Washington, D.C., June 1995). Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 77. Lower 48 Crude Oil Production and Wellhead Prices by Supply Region																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Production 1/ (million barrels per day)																										
Lower 48 Total	5.08	5.11	5.18	5.10	5.04	4.99	4.95	4.93	4.90	4.89	4.87	4.86	4.84	4.83	4.82	4.81	4.79	4.76	4.70	4.64	4.60	4.55	4.51	4.48	4.44	-0.6%
Lower 48 Onshore																										
Northeast	0.14	0.14	0.13	0.12	0.11	0.09	0.09	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	-3.3%
Gulf Coast	0.80	0.79	0.78	0.69	0.62	0.58	0.55	0.52	0.51	0.49	0.47	0.45	0.43	0.41	0.39	0.38	0.36	0.35	0.33	0.32	0.31	0.31	0.30	0.30	0.29	-4.1%
Midcontinent	0.41	0.40	0.39	0.37	0.34	0.32	0.30	0.28	0.27	0.26	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	-2.2%
Southwest	1.23	1.22	1.21	1.20	1.20	1.19	1.19	1.19	1.19	1.19	1.20	1.20	1.21	1.22	1.23	1.24	1.24	1.24	1.24	1.25	1.25	1.25	1.25	1.26	1.26	0.1%
Rocky Mountain	0.47	0.45	0.43	0.45	0.47	0.48	0.50	0.52	0.53	0.55	0.57	0.59	0.60	0.62	0.64	0.66	0.68	0.69	0.71	0.72	0.74	0.76	0.77	0.79	0.81	2.3%
West Coast	0.72	0.72	0.71	0.68	0.65	0.63	0.61	0.60	0.59	0.58	0.58	0.58	0.58	0.58	0.59	0.59	0.60	0.59	0.56	0.54	0.51	0.49	0.47	0.46	0.44	-2.1%
Lower 48 Offshore																										
Gulf	1.09	1.18	1.33	1.42	1.50	1.56	1.60	1.62	1.64	1.64	1.64	1.63	1.62	1.60	1.57	1.55	1.52	1.48	1.45	1.42	1.38	1.35	1.31	1.28	1.25	0.6%
Pacific	0.23	0.21	0.20	0.17	0.15	0.14	0.13	0.12	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	0.10	0.10	-3.2%
Atlantic	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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 (1996 dollars per barrel)																										
Lower 48 Average	19.41	17.23	17.10	18.51	19.12	19.53	19.71	20.05	20.30	20.52	20.57	20.67	20.77	21.01	21.08	21.22	20.58	20.87	20.91	21.01	21.23	21.23	21.39	21.61	21.58	0.4%
Lower 48 Onshore																										
Northeast	20.39	18.08	17.91	18.96	19.55	19.91	20.08	20.43	20.68	20.91	20.98	21.06	21.10	21.40	21.42	21.45	20.94	21.17	21.21	21.31	21.49	21.45	21.60	21.82	21.65	0.3%
Gulf Coast	20.36	18.05	17.88	18.74	19.31	19.65	19.81	20.13	20.37	20.57	20.62	20.74	20.82	21.08	21.15	21.17	20.65	20.90	20.93	21.01	21.21	21.19	21.34	21.57	21.41	0.2%
Midcontinent	20.27	17.97	17.80	18.86	19.45	19.80	19.96	20.30	20.54	20.77	20.83	20.93	20.97	21.26	21.29	21.32	20.81	21.05	21.09	21.18	21.36	21.34	21.49	21.71	21.55	0.3%
Southwest	20.31	18.00	17.84	18.71	19.28	19.60	19.76	20.09	20.32	20.54	20.59	20.70	20.77	21.02	21.09	21.11	20.59	20.84	20.89	20.96	21.15	21.18	21.32	21.54	21.38	0.2%
Rocky Mountain	19.74	17.50	17.34	18.79	19.36	19.71	19.87	20.19	20.43	20.64	20.70	20.81	20.88	21.15	21.21	21.24	20.71	20.96	21.00	21.08	21.28	21.26	21.40	21.65	21.47	0.4%
West Coast	16.65	14.76	14.63	16.28	16.84	17.44	17.58	17.85	18.09	18.36	18.31	18.35	18.59	18.80	18.92	19.77	18.56	19.08	19.11	19.28	19.59	19.67	19.87	20.11	21.00	1.0%
Lower 48 Offshore																										
Gulf	20.00	17.73	17.57	19.49	20.09	20.44	20.61	20.94	21.18	21.39	21.45	21.57	21.65	21.92	21.99	22.02	21.47	21.73	21.77	21.86	22.06	22.04	22.20	22.43	22.26	0.4%
Pacific	14.46	12.81	12.69	15.14	15.66	16.22	16.35	16.60	16.83	17.07	17.03	17.07	17.29	17.48	17.59	18.39	17.27	17.74	17.77	17.93	18.22	18.30	18.48	18.71	19.53	1.3%
Atlantic	20.00	17.73	17.57	18.96	19.55	19.91	20.08	20.43	20.68	20.91	20.98	21.06	21.10	21.40	21.42	21.45	20.94	21.17	21.21	21.31	21.49	21.45	21.60	21.82	21.65	0.3%

1/ Includes lease condensate.

N/A = Not applicable.

Notes: Supply regions are defined in "Documentation of the Oil and Gas Supply Module", Energy Information Administration, DOE/EIA-MO63(97) (Washington, DC, January 1997). Totals may not equal sum of components due to independent rounding.

Sources: 1996 lower 48 total, Gulf, Pacific, Atlantic production: Energy Information Administration (EIA), Petroleum Supply Annual 1996, DOE/EIA-0340(96)/1 (Washington, D.C., June 1997). Other 1996: EIA, Office of Integrated Analysis and Forecasting. Figures for 1996 data may differ from published data due to internal conversion factors within the AEO98 National Energy Modeling System. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 78. Lower 48 Natural Gas Production and Wellhead Prices by Supply Region																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Production (trillion cubic feet) 1/																										
Lower 48 Total	18.58	18.40	18.59	19.87	19.78	20.10	20.44	20.93	21.29	21.73	22.12	22.63	23.19	23.67	24.14	24.40	24.76	25.12	25.26	25.52	25.70	26.21	26.40	26.65	26.82	1.5%
Lower 48 Onshore																										
Northeast	0.83	0.86	0.90	0.94	0.96	1.06	1.07	1.02	1.09	1.12	1.10	1.10	1.13	1.13	1.04	1.17	1.12	1.16	1.26	1.24	1.23	1.20	1.20	1.19	1.19	1.5%
Gulf Coast	4.71	4.79	4.80	4.90	4.84	4.80	4.85	4.99	5.11	5.20	5.39	5.62	5.80	6.04	6.23	6.20	6.52	6.51	6.58	6.76	6.88	6.93	7.07	6.97	7.15	1.8%
Midcontinent	3.04	2.80	2.95	2.97	3.08	3.13	3.22	3.28	3.40	3.51	3.54	3.65	3.76	3.87	3.89	4.13	4.06	4.15	4.18	4.11	4.14	4.11	4.05	4.01	3.77	0.9%
Southwest	1.66	1.69	1.75	1.83	1.89	1.91	2.00	2.05	2.07	2.09	2.12	2.12	2.13	2.15	2.16	2.13	2.14	2.11	2.07	2.07	2.05	2.05	2.03	1.98	1.98	0.7%
Rocky Mountain	2.62	2.79	2.51	3.23	2.92	3.05	3.00	3.18	3.06	3.21	3.31	3.36	3.56	3.56	3.86	3.94	3.90	4.27	4.25	4.40	4.30	4.67	4.42	4.81	4.77	2.5%
West Coast	0.22	0.20	0.21	0.22	0.21	0.19	0.19	0.18	0.17	0.16	0.16	0.16	0.15	0.14	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.14	0.14	-1.9%
Lower 48 Offshore																										
Gulf	5.45	5.23	5.42	5.73	5.84	5.91	6.08	6.19	6.35	6.39	6.46	6.60	6.64	6.75	6.78	6.66	6.85	6.74	6.75	6.78	6.93	7.10	7.45	7.50	7.80	1.5%
Pacific	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-2.7%
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 (1996 dollars per thousand cubic feet)																										
Lower 48 Average	2.24	2.25	2.10	2.11	2.11	2.12	2.12	2.12	2.13	2.15	2.17	2.21	2.24	2.27	2.31	2.32	2.34	2.35	2.36	2.38	2.39	2.41	2.45	2.48	2.54	0.5%
Lower 48 Onshore																										
Northeast	2.97	2.89	2.56	2.43	2.31	2.33	2.33	2.28	2.30	2.37	2.42	2.46	2.52	2.52	2.39	2.41	2.34	2.32	2.36	2.40	2.43	2.45	2.48	2.52	2.57	-0.6%
Gulf Coast	2.27	2.29	2.14	2.13	2.13	2.13	2.13	2.13	2.14	2.14	2.15	2.18	2.20	2.24	2.29	2.30	2.34	2.35	2.36	2.38	2.39	2.41	2.46	2.49	2.55	0.5%
Midcontinent	2.21	2.24	2.10	2.09	2.08	2.08	2.07	2.07	2.08	2.11	2.14	2.17	2.20	2.23	2.24	2.26	2.27	2.27	2.29	2.30	2.31	2.33	2.37	2.42	2.47	0.5%
Southwest	2.16	2.22	2.09	2.12	2.14	2.14	2.14	2.16	2.17	2.17	2.19	2.23	2.27	2.30	2.35	2.37	2.39	2.42	2.42	2.43	2.45	2.46	2.50	2.53	2.59	0.8%
Rocky Mountain	1.88	1.92	1.77	1.89	1.90	1.95	1.96	2.00	1.99	2.02	2.09	2.17	2.25	2.26	2.31	2.34	2.33	2.35	2.35	2.36	2.33	2.38	2.36	2.41	2.45	1.1%
West Coast	2.46	2.40	2.35	2.45	2.51	2.51	2.50	2.57	2.58	2.55	2.60	2.68	2.80	2.79	2.84	2.90	2.87	2.89	2.88	2.87	2.85	2.84	2.81	2.84	2.89	0.7%
Lower 48 Offshore																										
Gulf	2.31	2.30	2.15	2.15	2.15	2.15	2.15	2.15	2.16	2.17	2.18	2.21	2.23	2.27	2.32	2.33	2.36	2.38	2.39	2.41	2.43	2.45	2.50	2.53	2.59	0.5%
Pacific	2.47	2.39	2.34	2.44	2.50	2.49	2.49	2.55	2.56	2.54	2.59	2.67	2.78	2.78	2.82	2.89	2.86	2.88	2.87	2.86	2.84	2.83	2.79	2.83	2.88	0.6%
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(97) (Washington, DC, January 1997). Totals may not equal sum of components due to independent rounding.

Source: 1996 production: Energy Information Administration (EIA), Office of Integrated Analysis and Forecasting, and Natural Gas Monthly, DOE/EIA-0130(97/6) (Washington, DC, June 1996). 1996 prices and projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 79. Oil and Gas, End-of-Year Reserves and Annual Reserve Additions																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Lower 48 Reserves																										
Crude Oil (billion barrels) 1/																										
Lower 48 Total	16.82	16.43	15.94	15.56	15.25	15.05	14.88	14.77	14.71	14.69	14.68	14.71	14.75	14.81	14.87	14.92	14.93	14.90	14.78	14.67	14.59	14.51	14.44	14.39	14.33	-0.7%
Lower 48 Onshore	13.40	12.99	12.53	12.16	11.87	11.69	11.54	11.47	11.44	11.45	11.48	11.55	11.64	11.75	11.86	11.96	12.03	12.05	11.98	11.94	11.91	11.88	11.86	11.87	11.86	-0.5%
Conventional	10.59	10.24	9.84	9.48	9.18	8.95	8.77	8.62	8.51	8.42	8.36	8.32	8.29	8.28	8.29	8.31	8.33	8.34	8.37	8.41	8.45	8.51	8.57	8.64	8.71	-0.8%
Enhanced Oil Recovery	2.81	2.74	2.69	2.68	2.69	2.73	2.78	2.85	2.93	3.03	3.12	3.23	3.35	3.46	3.57	3.64	3.70	3.71	3.61	3.53	3.46	3.37	3.29	3.23	3.14	0.5%
Lower 48 Offshore	3.42	3.44	3.41	3.40	3.38	3.36	3.34	3.31	3.28	3.24	3.20	3.16	3.11	3.06	3.02	2.96	2.91	2.85	2.79	2.74	2.68	2.63	2.58	2.52	2.48	-1.3%
Dry Natural Gas (trillion cubic feet)																										
Lower 48 Total	157.2	161.4	165.6	169.2	172.0	175.2	178.6	181.7	184.7	187.2	189.6	191.8	193.6	195.1	196.3	197.2	197.6	197.5	197.1	196.3	195.1	193.2	190.9	188.2	185.1	0.7%
Lower 48 Onshore	123.5	126.1	128.7	130.7	132.2	134.2	136.6	138.8	141.0	142.9	144.7	146.3	147.6	148.6	149.3	149.5	149.5	148.9	148.0	146.7	145.1	143.1	140.9	138.5	136.1	0.4%
Associated-Dissolved 2/	15.5	15.4	15.3	15.2	14.2	13.4	12.8	12.4	12.0	11.7	11.4	11.2	11.0	10.8	10.6	10.5	10.4	10.3	10.2	10.1	10.1	10.0	10.0	10.0	10.0	-1.8%
Non-Associated	108.0	110.6	113.3	115.5	118.1	120.8	123.7	126.5	129.0	131.2	133.3	135.1	136.6	137.8	138.6	139.0	139.1	138.6	137.8	136.6	135.1	133.0	131.0	128.5	126.1	0.6%
Conventional	66.5	68.8	70.9	72.8	74.9	77.0	79.3	81.2	83.0	84.5	85.8	86.9	87.7	88.3	88.6	88.7	88.5	88.0	87.3	86.2	84.9	83.3	81.4	79.5	77.4	0.6%
Unconventional	41.5	41.9	42.4	42.7	43.2	43.7	44.4	45.2	46.0	46.7	47.5	48.2	48.9	49.5	50.0	50.3	50.6	50.6	50.5	50.3	50.2	49.8	49.6	49.1	48.7	0.7%
Lower 48 Offshore	33.7	35.3	37.0	38.5	39.8	41.0	42.0	42.9	43.7	44.4	45.0	45.5	46.1	46.6	47.1	47.7	48.1	48.6	49.1	49.6	49.9	50.1	49.9	49.6	49.1	1.6%
Associated-Dissolved 2/	7.6	7.8	8.0	8.3	8.5	8.6	8.7	8.8	8.8	8.9	8.9	8.9	8.8	8.8	8.8	8.7	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.1	8.1	0.3%
Non-Associated	26.1	27.6	29.0	30.2	31.3	32.4	33.3	34.1	34.8	35.5	36.1	36.7	37.2	37.8	38.3	39.0	39.4	40.0	40.6	41.1	41.6	41.8	41.7	41.5	41.0	1.9%
Lower 48 Reserve Additions																										
Crude Oil (billion barrels) 1/																										
Lower 48 Total	1.64	1.48	1.40	1.48	1.53	1.62	1.64	1.69	1.73	1.76	1.77	1.80	1.81	1.83	1.82	1.80	1.76	1.70	1.59	1.59	1.59	1.58	1.57	1.59	1.56	-0.2%
Lower 48 Onshore	1.18	0.95	0.88	0.92	0.94	1.02	1.04	1.08	1.12	1.16	1.17	1.21	1.23	1.26	1.26	1.25	1.23	1.18	1.08	1.09	1.11	1.11	1.11	1.14	1.11	-0.2%
Conventional	1.14	0.79	0.72	0.71	0.73	0.76	0.77	0.79	0.81	0.82	0.83	0.84	0.85	0.86	0.87	0.88	0.87	0.87	0.89	0.89	0.91	0.92	0.93	0.94	0.95	-0.8%
Enhanced Oil Recovery	0.04	0.15	0.16	0.20	0.21	0.26	0.26	0.29	0.32	0.34	0.34	0.37	0.38	0.40	0.39	0.37	0.35	0.31	0.19	0.20	0.20	0.19	0.18	0.20	0.16	6.0%
Lower 48 Offshore	0.46	0.53	0.52	0.56	0.59	0.60	0.60	0.60	0.61	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.53	0.52	0.51	0.50	0.49	0.47	0.46	0.45	0.44	-0.2%
Dry Natural Gas (trillion cubic feet)																										
Lower 48 Total	20.2	22.6	22.8	23.4	22.7	23.2	23.9	24.1	24.2	24.3	24.5	24.8	25.0	25.2	25.3	25.3	25.1	25.1	24.9	24.7	24.5	24.3	24.1	23.9	23.8	0.7%
Lower 48 Onshore	14.8	15.7	15.7	16.1	15.5	16.1	16.7	17.0	17.1	17.2	17.4	17.6	17.8	17.9	18.0	18.0	17.9	17.8	17.6	17.4	17.2	17.0	16.8	16.7	16.5	0.5%
Associated-Dissolved 2/	2.1	1.8	1.7	1.6	0.7	0.8	0.9	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	-2.3%
Non-Associated	12.7	13.9	14.0	14.4	14.8	15.2	15.8	16.0	16.0	16.1	16.3	16.5	16.7	16.8	16.9	16.9	16.7	16.6	16.4	16.3	16.0	15.9	15.7	15.5	15.3	0.8%
Conventional	8.1	10.1	10.2	10.5	10.8	11.1	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.1	12.0	11.9	11.8	11.6	11.4	11.2	10.9	10.7	10.5	10.3	10.3	1.0%
Unconventional	4.6	3.8	3.8	3.9	4.0	4.1	4.3	4.4	4.4	4.4	4.5	4.6	4.7	4.7	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	5.0	5.1	0.4%	
Lower 48 Offshore	5.4	6.9	7.1	7.3	7.2	7.2	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.2	1.2%
Associated-Dissolved 2/	0.8	1.0	1.1	1.2	1.1	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	-0.2%
Non-Associated	4.6	5.9	6.0	6.1	6.1	6.1	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.4	6.4	6.4	6.4	6.5	6.4	6.5	6.5	6.5	6.5	6.5	6.5	1.4%

1/ Includes lease condensate.

2/ Gas which occurs in crude oil reservoirs either as free gas (associated) or as gas in solution with crude oil (dissolved).

Note: Totals may not equal sums due to independent rounding.

Source: 1996: Energy Information Administration (EIA), Office of Integrated Analysis and Forecasting. Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 80. Natural Gas Imports and Exports																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Volumes (trillion cubic feet)																										
Total Net Imports	2.72	2.95	3.19	3.53	3.84	3.87	3.89	3.94	3.98	4.02	4.06	4.11	4.16	4.22	4.28	4.34	4.42	4.51	4.58	4.64	4.71	4.76	4.81	4.86	4.91	2.5%
Pipeline																										
Imports from Canada	2.81	3.00	3.21	3.61	3.91	3.91	3.92	3.92	3.93	3.94	3.96	4.01	4.07	4.12	4.18	4.25	4.32	4.41	4.48	4.56	4.62	4.68	4.73	4.79	4.85	2.3%
Exports to Canada	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	0.05	N/A
Imports from Mexico	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	0.02	0.02	0.02	1.5%
Exports to Mexico	0.03	0.03	0.04	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	0.18	0.18	0.19	0.19	7.6%
Liquefied Natural Gas																										
Imports	0.04	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	9.6%
Exports	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	N/A
Border Prices (1996 dollars per thousand cubic feet)																										
Average Import Price																										
	1.98	2.09	1.88	1.94	1.96	2.02	2.04	2.07	2.07	2.14	2.21	2.28	2.34	2.37	2.32	2.38	2.37	2.36	2.39	2.40	2.43	2.47	2.49	2.52	2.56	1.1%
Pipeline Import Prices																										
From Canada	1.96	2.07	1.86	1.91	1.94	2.00	2.02	2.04	2.05	2.11	2.19	2.26	2.33	2.35	2.31	2.37	2.37	2.36	2.39	2.39	2.42	2.46	2.47	2.51	2.55	1.1%
From Mexico	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
LNG Price (includes regasification)																										
	2.77	2.74	2.49	2.46	2.44	2.39	2.40	2.39	2.39	2.42	2.42	2.45	2.45	2.52	2.40	2.46	2.45	2.44	2.46	2.49	2.55	2.59	2.63	2.64	2.70	-0.1%

N/A = Not applicable.

LNG = Liquefied natural gas.

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

Sources: 1996 import and export volumes; pipeline import price from Canada; and LNG price: Energy Information Administration (EIA), Natural Gas Monthly, DOE/EIA-0130(97/6) (Washington, D.C., June 1997). Other 1996: EIA, Office of Integrated Analysis and Forecasting. Figures for 1996 may differ from the published data due to internal conversion factors within the AEO98 National Energy Modeling System.

Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 81. Natural Gas Consumption by End-Use Sector and Census Division (Quadrillion Btu per Year)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Residential																										
New England	0.21	0.20	0.20	0.21	0.21	0.21	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	0.23	0.23	0.23	0.24	0.5%
Middle Atlantic	0.97	0.91	0.95	0.86	0.86	0.86	0.85	0.85	0.85	0.85	0.85	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	-0.5%
East North Central	1.63	1.53	1.59	1.59	1.60	1.59	1.59	1.59	1.59	1.59	1.59	1.59	1.60	1.60	1.61	1.60	1.62	1.62	1.62	1.63	1.63	1.62	1.63	1.63	1.63	0.0%
West North Central	0.51	0.47	0.49	0.52	0.52	0.52	0.53	0.53	0.54	0.54	0.55	0.55	0.55	0.55	0.56	0.56	0.57	0.57	0.58	0.60	0.60	0.61	0.62	0.63	0.64	0.7%
South Atlantic	0.44	0.41	0.43	0.48	0.49	0.50	0.51	0.52	0.53	0.53	0.54	0.55	0.55	0.56	0.57	0.57	0.58	0.60	0.60	0.61	0.62	0.63	0.63	0.64	0.64	1.7%
East South Central	0.22	0.21	0.22	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.27	0.27	0.27	0.27	0.27	0.9%
West South Central	0.42	0.40	0.41	0.42	0.42	0.42	0.43	0.43	0.44	0.44	0.44	0.44	0.45	0.45	0.45	0.45	0.46	0.46	0.46	0.47	0.47	0.47	0.47	0.48	0.48	0.5%
Mountain	0.30	0.28	0.30	0.34	0.35	0.35	0.36	0.36	0.37	0.38	0.38	0.38	0.39	0.40	0.40	0.41	0.41	0.42	0.43	0.43	0.44	0.44	0.45	0.46	0.46	1.8%
Pacific	0.68	0.64	0.67	0.66	0.66	0.66	0.67	0.67	0.68	0.68	0.69	0.69	0.70	0.70	0.71	0.71	0.72	0.72	0.73	0.74	0.75	0.75	0.76	0.76	0.77	0.5%
Total	5.39	5.06	5.26	5.30	5.35	5.35	5.38	5.41	5.45	5.47	5.50	5.53	5.58	5.59	5.63	5.66	5.72	5.75	5.79	5.82	5.87	5.87	5.90	5.93	5.97	0.4%
Commercial																										
New England	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.6%
Middle Atlantic	0.56	0.56	0.58	0.58	0.58	0.58	0.58	0.58	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.60	0.59	0.59	0.59	0.59	0.59	0.58	0.58	0.1%
East North Central	0.80	0.78	0.82	0.82	0.83	0.83	0.84	0.84	0.85	0.85	0.85	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.86	0.86	0.86	0.3%
West North Central	0.35	0.34	0.35	0.35	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.3%
South Atlantic	0.34	0.33	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.40	0.40	0.41	0.41	0.42	0.42	0.43	0.44	0.44	0.45	0.45	0.45	0.46	0.46	0.46	0.47	1.3%
East South Central	0.15	0.15	0.16	0.16	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	0.18	0.18	0.18	0.7%
West South Central	0.31	0.32	0.32	0.33	0.33	0.34	0.34	0.35	0.35	0.35	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.38	0.39	0.39	0.39	0.39	0.39	0.39	0.39	1.0%
Mountain	0.22	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.27	0.27	0.27	0.28	0.28	0.29	0.29	0.30	0.30	0.30	0.31	0.31	0.31	0.32	0.32	0.32	0.32	1.5%
Pacific	0.40	0.41	0.42	0.42	0.43	0.43	0.44	0.44	0.44	0.45	0.45	0.45	0.46	0.46	0.46	0.47	0.47	0.47	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.8%
Total	3.30	3.28	3.41	3.44	3.47	3.49	3.52	3.56	3.59	3.62	3.65	3.67	3.70	3.72	3.75	3.77	3.80	3.82	3.84	3.85	3.86	3.86	3.86	3.86	3.85	0.7%
Industrial 1/																										
New England	0.09	0.09	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.09	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.0%
Middle Atlantic	0.70	0.71	0.73	0.73	0.72	0.72	0.72	0.72	0.71	0.71	0.71	0.72	0.72	0.72	0.73	0.73	0.72	0.72	0.72	0.71	0.71	0.71	0.71	0.71	0.71	0.1%
East North Central	1.47	1.50	1.56	1.66	1.66	1.66	1.67	1.66	1.67	1.68	1.70	1.71	1.72	1.73	1.74	1.74	1.74	1.75	1.74	1.74	1.73	1.74	1.73	1.73	1.72	0.7%
West North Central	0.54	0.56	0.58	0.61	0.62	0.62	0.62	0.62	0.62	0.63	0.63	0.63	0.64	0.64	0.65	0.65	0.65	0.65	0.65	0.65	0.64	0.65	0.64	0.64	0.64	0.7%
South Atlantic	0.74	0.76	0.78	0.79	0.79	0.79	0.79	0.79	0.79	0.80	0.80	0.81	0.82	0.82	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.5%
East South Central	0.49	0.51	0.52	0.52	0.53	0.53	0.53	0.53	0.53	0.53	0.54	0.54	0.55	0.55	0.55	0.55	0.55	0.56	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.5%
West South Central	3.51	3.63	3.72	3.75	3.78	3.76	3.77	3.77	3.77	3.80	3.83	3.87	3.90	3.92	3.94	3.95	3.95	3.96	3.96	3.95	3.94	3.96	3.94	3.94	3.93	0.5%
Mountain	0.32	0.32	0.33	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.35	0.36	0.36	0.37	0.37	0.37	0.38	0.38	0.38	0.37	0.37	0.38	0.37	0.37	0.37	0.6%
Pacific	0.98	0.99	1.03	1.01	1.02	1.03	1.05	1.05	1.06	1.07	1.09	1.10	1.11	1.12	1.14	1.15	1.15	1.16	1.15	1.15	1.13	1.15	1.15	1.15	1.14	0.6%
Total	8.85	9.08	9.36	9.49	9.56	9.53	9.57	9.57	9.59	9.66	9.74	9.84	9.90	9.97	10.03	10.08	10.06	10.11	10.08	10.04	10.00	10.05	10.02	10.01	9.98	0.5%

Table 81. Natural Gas Consumption by End-Use Sector and Census Division (Quadrillion Btu per Year)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Electric Generators 2/																											
New England	0.13	0.13	0.15	0.19	0.27	0.36	0.38	0.44	0.46	0.47	0.49	0.50	0.52	0.52	0.53	0.54	0.54	0.55	0.56	0.57	0.59	0.59	0.59	0.60	0.60	6.4%	
Middle Atlantic	0.18	0.25	0.37	0.41	0.50	0.54	0.59	0.64	0.74	0.79	0.79	0.88	0.96	1.00	1.07	1.11	1.13	1.17	1.20	1.28	1.33	1.41	1.43	1.44	1.47	9.1%	
East North Central	0.07	0.27	0.32	0.35	0.24	0.25	0.28	0.39	0.36	0.43	0.50	0.52	0.61	0.71	0.76	0.81	0.90	0.96	0.96	1.07	1.12	1.20	1.29	1.33	1.37	12.9%	
West North Central	0.04	0.07	0.06	0.07	0.10	0.09	0.10	0.12	0.16	0.19	0.20	0.21	0.22	0.23	0.25	0.28	0.29	0.29	0.32	0.37	0.39	0.39	0.40	0.41	0.43	10.3%	
South Atlantic	0.36	0.33	0.34	0.43	0.50	0.57	0.65	0.71	0.83	0.92	1.00	1.09	1.17	1.25	1.32	1.40	1.47	1.64	1.72	1.78	1.83	1.99	2.07	2.16	2.22	7.9%	
East South Central	0.09	0.07	0.05	0.07	0.07	0.08	0.06	0.05	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-8.2%	
West South Central	1.51	1.15	1.30	1.39	1.39	1.45	1.51	1.54	1.55	1.62	1.63	1.68	1.74	1.80	1.84	1.92	1.99	2.05	2.06	2.10	2.13	2.19	2.23	2.29	2.34	1.8%	
Mountain	0.11	0.14	0.24	0.29	0.25	0.26	0.24	0.25	0.27	0.27	0.29	0.31	0.34	0.37	0.40	0.40	0.41	0.43	0.44	0.45	0.46	0.47	0.48	0.50	0.51	6.5%	
Pacific	0.53	0.54	0.71	0.83	0.81	0.86	0.88	0.95	0.97	0.97	1.03	1.10	1.15	1.18	1.21	1.13	1.19	1.14	1.14	1.09	1.07	1.13	1.08	1.12	1.12	3.2%	
Total	3.04	2.96	3.53	4.03	4.14	4.45	4.69	5.10	5.37	5.69	5.95	6.30	6.73	7.07	7.38	7.60	7.92	8.24	8.42	8.71	8.92	9.38	9.59	9.87	10.07	5.1%	
Transportation 3/																											
New England	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	15.8%
Middle Atlantic	0.00	0.00	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	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	15.5%
East North Central	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	15.4%
West North Central	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	15.6%
South Atlantic	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	16.0%
East South Central	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	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	15.6%
West South Central	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	15.9%
Mountain	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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	16.3%
Pacific	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	16.0%
Total	0.01	0.01	0.02	0.03	0.05	0.07	0.09	0.11	0.13	0.15	0.17	0.19	0.21	0.22	0.24	0.25	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.34	15.8%	

Table 81. Natural Gas Consumption by End-Use Sector and Census Division (Quadrillion Btu per Year)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
All Sectors 4/																										
New England	0.60	0.59	0.62	0.67	0.75	0.85	0.87	0.93	0.95	0.97	0.99	1.01	1.03	1.03	1.05	1.06	1.07	1.08	1.10	1.10	1.13	1.13	1.13	1.14	1.14	2.7%
Middle Atlantic	2.42	2.44	2.63	2.58	2.67	2.71	2.76	2.81	2.91	2.96	2.97	3.06	3.16	3.20	3.27	3.32	3.34	3.39	3.43	3.49	3.54	3.61	3.63	3.64	3.67	1.7%
East North Central	3.97	4.09	4.29	4.42	4.34	4.33	4.38	4.50	4.49	4.57	4.66	4.70	4.83	4.94	5.01	5.06	5.17	5.25	5.25	5.35	5.40	5.48	5.57	5.60	5.64	1.5%
West North Central	1.44	1.44	1.48	1.56	1.60	1.60	1.61	1.64	1.69	1.74	1.76	1.78	1.80	1.82	1.85	1.89	1.90	1.92	1.95	2.00	2.02	2.03	2.04	2.05	2.07	1.5%
South Atlantic	1.88	1.84	1.90	2.06	2.15	2.24	2.34	2.42	2.57	2.68	2.78	2.89	3.00	3.10	3.19	3.29	3.38	3.56	3.66	3.73	3.79	3.97	4.05	4.15	4.23	3.4%
East South Central	0.96	0.93	0.94	0.99	1.00	1.00	0.99	0.99	0.97	0.98	0.98	1.00	1.01	1.01	1.01	1.02	1.02	1.03	1.03	1.03	1.03	1.04	1.04	1.04	1.04	0.3%
West South Central	5.76	5.50	5.76	5.89	5.92	5.98	6.06	6.09	6.12	6.23	6.27	6.38	6.47	6.56	6.63	6.74	6.80	6.89	6.90	6.94	6.96	7.05	7.08	7.15	7.18	0.9%
Mountain	0.96	0.98	1.11	1.21	1.19	1.20	1.20	1.23	1.26	1.28	1.31	1.34	1.39	1.43	1.47	1.50	1.51	1.55	1.57	1.59	1.60	1.62	1.65	1.67	1.68	2.4%
Pacific	2.59	2.58	2.83	2.93	2.93	2.99	3.04	3.13	3.16	3.19	3.28	3.37	3.45	3.50	3.56	3.49	3.57	3.54	3.54	3.50	3.48	3.56	3.52	3.57	3.57	1.3%
Total	20.59	20.39	21.57	22.30	22.56	22.90	23.26	23.74	24.13	24.60	25.00	25.53	26.11	26.58	27.04	27.36	27.77	28.20	28.41	28.72	28.95	29.49	29.70	30.00	30.22	1.6%

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 1996 may differ from published data due to internal conversion factors in the AEO98 National Energy Modeling System.

Sources: 1996 transportation sector compressed natural gas consumption: Energy Information Administration (EIA), AEO98 National Energy Modeling System run AEO98B.D100197A. Other 1996 values: EIA, Natural Gas Monthly, DOE/EIA-0130(97/6) (Washington, D.C., June 1997) with adjustments to end-use sector consumption levels for consumption of natural gas by electric wholesale generators based on EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 82. Natural Gas Delivered Prices by End-Use Sector and Census Division (1996 Dollars per Million Btu)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Residential																										
New England	8.80	9.45	8.80	8.63	8.58	8.48	8.43	8.30	8.19	8.12	8.05	7.99	7.91	7.85	7.60	7.60	7.46	7.38	7.34	7.35	7.45	7.50	7.50	7.49	7.51	-0.7%
Middle Atlantic	7.78	8.21	7.65	7.81	7.81	7.76	7.70	7.60	7.51	7.46	7.38	7.34	7.28	7.25	7.15	7.13	7.05	7.01	6.99	7.01	7.05	7.09	7.11	7.15	7.19	-0.3%
East North Central	5.28	5.23	4.90	4.81	4.78	4.90	4.79	4.76	4.74	4.71	4.69	4.72	4.67	4.66	4.60	4.65	4.57	4.56	4.60	4.57	4.58	4.64	4.67	4.74	4.76	-0.4%
West North Central	5.46	5.18	4.90	4.83	4.82	4.76	4.69	4.63	4.60	4.58	4.57	4.59	4.57	4.55	4.53	4.52	4.48	4.45	4.45	4.43	4.44	4.47	4.51	4.56	4.58	-0.7%
South Atlantic	7.31	7.47	6.97	6.66	6.57	6.49	6.39	6.30	6.21	6.14	6.07	6.02	5.98	5.98	6.00	5.96	5.92	5.91	5.90	5.91	5.90	5.90	5.91	5.92	5.96	-0.8%
East South Central	6.05	6.38	5.96	5.83	5.77	5.73	5.67	5.63	5.58	5.54	5.50	5.47	5.45	5.48	5.52	5.50	5.49	5.48	5.47	5.47	5.47	5.48	5.52	5.54	5.59	-0.3%
West South Central	5.74	4.66	4.36	4.35	4.33	4.33	4.31	4.30	4.28	4.27	4.26	4.27	4.27	4.30	4.32	4.31	4.33	4.33	4.33	4.33	4.33	4.33	4.34	4.39	4.41	-1.0%
Mountain	4.73	5.09	4.68	4.58	4.50	4.52	4.45	4.44	4.38	4.37	4.39	4.43	4.44	4.42	4.42	4.39	4.34	4.32	4.29	4.26	4.23	4.28	4.26	4.29	4.33	-0.4%
Pacific	6.11	6.71	6.31	6.40	6.34	6.30	6.23	6.24	6.15	6.09	6.07	6.07	6.08	6.03	5.99	5.98	5.89	5.86	5.80	5.74	5.70	5.72	5.67	5.69	5.72	-0.3%
Total	6.19	6.29	5.89	5.81	5.77	5.77	5.69	5.64	5.59	5.55	5.52	5.51	5.48	5.47	5.42	5.42	5.36	5.34	5.33	5.32	5.32	5.36	5.37	5.40	5.44	-0.5%
Commercial																										
New England	6.68	7.06	6.51	6.40	6.40	6.33	6.31	6.23	6.16	6.11	6.08	6.05	6.03	6.00	5.79	5.82	5.73	5.68	5.67	5.71	5.82	5.87	5.88	5.89	5.93	-0.5%
Middle Atlantic	6.41	6.65	6.16	6.09	6.11	6.07	6.03	5.95	5.89	5.85	5.81	5.78	5.76	5.75	5.67	5.68	5.63	5.61	5.61	5.65	5.69	5.73	5.76	5.80	5.86	-0.4%
East North Central	4.84	4.78	4.46	4.37	4.35	4.47	4.37	4.34	4.33	4.30	4.28	4.32	4.27	4.27	4.23	4.28	4.21	4.20	4.25	4.22	4.24	4.30	4.33	4.40	4.43	-0.4%
West North Central	4.70	4.47	4.21	4.21	4.21	4.17	4.11	4.07	4.05	4.04	4.04	4.07	4.07	4.06	4.05	4.05	4.02	4.01	4.02	4.01	4.02	4.06	4.11	4.16	4.20	-0.5%
South Atlantic	5.93	6.03	5.54	5.45	5.40	5.34	5.26	5.20	5.15	5.10	5.05	5.03	5.01	5.02	5.06	5.05	5.04	5.05	5.06	5.09	5.08	5.09	5.11	5.12	5.18	-0.6%
East South Central	5.41	5.67	5.22	5.18	5.14	5.10	5.05	5.01	4.97	4.94	4.90	4.89	4.89	4.91	4.96	4.94	4.95	4.95	4.95	4.97	4.98	4.99	5.04	5.07	5.14	-0.2%
West South Central	4.44	3.75	3.49	3.48	3.47	3.47	3.46	3.46	3.46	3.45	3.45	3.47	3.48	3.51	3.54	3.54	3.57	3.58	3.58	3.59	3.60	3.62	3.67	3.69	3.76	-0.7%
Mountain	3.82	4.02	3.65	3.74	3.69	3.72	3.68	3.68	3.64	3.65	3.68	3.73	3.77	3.75	3.77	3.76	3.72	3.71	3.70	3.69	3.66	3.72	3.70	3.73	3.78	-0.0%
Pacific	5.36	5.75	5.38	5.45	5.40	5.37	5.31	5.33	5.25	5.20	5.20	5.23	5.19	5.17	5.17	5.11	5.08	5.04	5.00	4.98	5.00	4.96	4.99	5.03	5.03	-0.3%
Total	5.28	5.32	4.94	4.90	4.88	4.88	4.82	4.78	4.74	4.71	4.69	4.70	4.69	4.68	4.66	4.67	4.63	4.62	4.62	4.62	4.63	4.67	4.69	4.73	4.77	-0.4%
Industrial 1/																										
New England	4.22	4.37	4.11	3.90	3.83	3.87	3.87	3.86	3.83	3.87	3.93	3.98	4.01	4.03	3.99	4.03	4.04	4.00	4.02	4.04	4.11	4.13	4.18	4.18	4.24	0.0%
Middle Atlantic	4.30	4.43	4.14	3.95	3.91	3.96	3.95	3.94	3.91	3.95	3.99	4.04	4.06	4.09	4.08	4.12	4.14	4.11	4.13	4.16	4.20	4.21	4.27	4.28	4.35	0.0%
East North Central	3.46	3.55	3.30	3.16	3.12	3.24	3.19	3.20	3.19	3.21	3.25	3.31	3.31	3.33	3.33	3.38	3.37	3.35	3.40	3.41	3.42	3.46	3.50	3.54	3.60	0.2%
West North Central	2.91	2.97	2.76	2.66	2.65	2.69	2.66	2.67	2.66	2.69	2.74	2.80	2.83	2.86	2.87	2.90	2.90	2.90	2.93	2.93	2.96	2.98	3.04	3.07	3.10	0.3%
South Atlantic	3.06	3.22	2.87	2.75	2.71	2.74	2.74	2.75	2.74	2.76	2.79	2.83	2.87	2.91	2.97	3.00	3.04	3.04	3.07	3.10	3.13	3.13	3.18	3.20	3.26	0.3%
East South Central	2.60	2.75	2.46	2.44	2.43	2.42	2.41	2.41	2.42	2.43	2.44	2.47	2.51	2.56	2.63	2.65	2.68	2.70	2.72	2.73	2.77	2.77	2.82	2.86	2.92	0.5%
West South Central	2.60	2.64	2.41	2.41	2.40	2.40	2.40	2.40	2.41	2.42	2.44	2.46	2.48	2.52	2.57	2.58	2.62	2.63	2.65	2.66	2.68	2.70	2.75	2.78	2.84	0.4%
Mountain	2.29	2.38	2.11	2.25	2.21	2.29	2.26	2.28	2.28	2.32	2.39	2.46	2.52	2.54	2.58	2.59	2.58	2.59	2.61	2.60	2.60	2.66	2.65	2.70	2.74	0.8%
Pacific	2.79	2.86	2.71	2.79	2.78	2.78	2.77	2.77	2.77	2.78	2.83	2.89	2.95	2.96	3.01	3.00	2.98	3.01	2.99	2.97	2.96	2.97	2.96	2.99	3.03	0.3%
Total	2.96	3.04	2.80	2.75	2.73	2.76	2.75	2.75	2.75	2.77	2.80	2.84	2.87	2.90	2.93	2.95	2.97	2.97	2.99	3.00	3.02	3.04	3.08	3.11	3.17	0.3%

Table 82. Natural Gas Delivered Prices by End-Use Sector and Census Division (1996 Dollars per Million Btu)																									1996- 2020		
	1996	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 2/																											
New England	2.74	2.95	2.65	2.47	2.61	2.65	2.69	2.73	2.70	2.71	2.75	2.79	2.82	2.84	2.71	2.77	2.75	2.73	2.75	2.81	2.91	2.96	2.98	3.00	3.04	0.4%	
Middle Atlantic	2.89	3.02	2.78	2.55	2.54	2.70	2.79	2.81	2.91	2.94	2.97	3.00	3.03	3.07	3.06	3.12	3.13	3.13	3.16	3.23	3.29	3.32	3.36	3.39	3.46	0.8%	
East North Central	1.86	1.84	1.57	1.45	1.62	1.93	2.07	1.98	2.11	2.23	2.45	2.58	2.60	2.67	2.66	2.79	2.78	2.77	2.84	2.85	2.85	2.90	2.95	3.02	3.07	2.1%	
West North Central	2.32	2.43	2.16	1.97	1.93	1.99	2.05	2.11	2.09	2.25	2.34	2.39	2.45	2.49	2.53	2.61	2.62	2.64	2.65	2.71	2.74	2.78	2.84	2.89	2.91	1.0%	
South Atlantic	3.07	3.27	2.92	2.86	2.85	2.84	2.83	2.83	2.84	2.84	2.84	2.87	2.91	2.95	3.02	3.05	3.09	3.14	3.17	3.19	3.22	3.21	3.25	3.26	3.31	0.3%	
East South Central	2.90	3.08	2.78	2.76	2.75	2.74	2.70	2.70	2.71	2.72	2.76	2.79	2.84	2.91	2.94	2.97	3.00	3.03	3.06	3.09	3.10	3.16	3.19	3.26	3.31	0.5%	
West South Central	2.58	2.63	2.41	2.45	2.46	2.45	2.46	2.47	2.50	2.52	2.55	2.59	2.61	2.66	2.71	2.73	2.78	2.82	2.83	2.85	2.88	2.90	2.95	2.99	3.06	0.7%	
Mountain	2.33	2.48	2.16	2.27	2.35	2.38	2.42	2.54	2.57	2.66	2.72	2.81	2.92	2.93	2.99	3.03	3.05	3.10	3.10	3.11	3.09	3.10	3.07	3.13	3.17	1.3%	
Pacific	2.57	2.59	2.49	2.59	2.57	2.56	2.53	2.53	2.52	2.54	2.61	2.68	2.75	2.79	2.86	2.84	2.84	2.85	2.84	2.81	2.79	2.84	2.82	2.85	2.89	0.5%	
Total	2.64	2.67	2.43	2.43	2.48	2.53	2.55	2.55	2.60	2.63	2.68	2.73	2.77	2.81	2.84	2.89	2.90	2.93	2.95	2.98	3.00	3.03	3.07	3.10	3.15	0.7%	
Transportation 3/																											
New England	8.06	8.74	8.15	7.99	7.98	7.92	7.95	7.94	8.00	8.10	8.24	8.39	8.52	8.62	8.53	8.66	8.66	8.69	8.76	8.84	8.98	9.07	9.11	9.14	9.20	0.6%	
Middle Atlantic	3.80	4.94	4.27	3.95	3.89	3.82	3.81	3.84	4.00	4.24	4.52	4.87	5.12	5.35	5.52	5.72	5.82	5.98	6.12	6.21	6.38	6.41	6.50	6.58	6.68	2.4%	
East North Central	6.90	7.46	7.08	6.85	6.82	6.94	6.86	6.88	6.94	7.04	7.14	7.33	7.39	7.49	7.57	7.69	7.71	7.81	7.93	7.95	8.04	8.09	8.14	8.22	8.27	0.8%	
West North Central	4.40	5.23	4.81	4.61	4.56	4.48	4.45	4.48	4.63	4.84	5.10	5.40	5.62	5.81	5.95	6.10	6.19	6.28	6.38	6.45	6.53	6.62	6.71	6.81	6.89	1.9%	
South Atlantic	5.10	5.89	5.33	5.13	5.03	4.96	4.94	4.97	5.09	5.22	5.40	5.62	5.80	5.98	6.17	6.30	6.41	6.55	6.67	6.75	6.83	6.88	6.95	7.00	7.08	1.4%	
East South Central	3.69	4.73	4.15	3.91	3.80	3.72	3.70	3.76	3.93	4.15	4.42	4.73	5.00	5.25	5.49	5.64	5.79	5.92	6.03	6.15	6.24	6.32	6.42	6.50	6.62	2.5%	
West South Central	4.43	5.26	4.79	4.61	4.51	4.45	4.44	4.50	4.65	4.83	5.07	5.32	5.54	5.74	5.91	6.03	6.16	6.26	6.35	6.43	6.50	6.58	6.67	6.74	6.85	1.8%	
Mountain	5.38	5.96	5.53	5.55	5.48	5.50	5.49	5.57	5.65	5.79	5.99	6.21	6.40	6.51	6.63	6.72	6.77	6.83	6.88	6.92	6.93	7.01	7.02	7.09	7.16	1.2%	
Pacific	6.76	7.23	6.88	6.92	6.90	6.91	6.90	7.01	7.04	7.11	7.24	7.40	7.56	7.62	7.69	7.78	7.79	7.83	7.84	7.86	7.86	7.88	7.88	7.94	7.99	0.7%	
Total	5.41	6.17	5.69	5.52	5.46	5.44	5.42	5.47	5.57	5.72	5.91	6.14	6.32	6.47	6.60	6.73	6.80	6.91	7.00	7.06	7.14	7.19	7.25	7.31	7.39	1.3%	
All Sectors 4/																											
New England	6.16	6.52	5.95	5.62	5.32	5.01	4.97	4.81	4.72	4.69	4.67	4.66	4.65	4.65	4.47	4.52	4.47	4.42	4.41	4.46	4.52	4.58	4.60	4.60	4.64	-1.2%	
Middle Atlantic	6.08	6.21	5.66	5.50	5.39	5.36	5.30	5.21	5.11	5.07	5.06	5.00	4.95	4.94	4.85	4.86	4.83	4.79	4.79	4.80	4.82	4.82	4.85	4.88	4.92	-0.9%	
East North Central	4.46	4.30	3.99	3.84	3.89	4.02	3.93	3.87	3.89	3.86	3.87	3.91	3.87	3.86	3.82	3.88	3.82	3.79	3.85	3.82	3.83	3.86	3.88	3.94	3.98	-0.5%	
West North Central	4.22	4.02	3.80	3.71	3.67	3.66	3.62	3.59	3.54	3.53	3.55	3.59	3.60	3.61	3.60	3.60	3.59	3.58	3.58	3.57	3.59	3.62	3.66	3.71	3.74	-0.5%	
South Atlantic	4.58	4.70	4.30	4.16	4.09	4.05	3.98	3.93	3.88	3.84	3.81	3.80	3.80	3.81	3.86	3.86	3.88	3.87	3.88	3.90	3.92	3.89	3.92	3.93	3.98	-0.6%	
East South Central	3.87	4.04	3.74	3.69	3.67	3.65	3.65	3.64	3.66	3.66	3.66	3.67	3.69	3.74	3.80	3.82	3.85	3.86	3.88	3.88	3.90	3.93	3.94	3.99	4.03	0.2%	
West South Central	2.92	2.85	2.61	2.62	2.61	2.61	2.61	2.62	2.63	2.64	2.66	2.69	2.71	2.75	2.80	2.81	2.85	2.87	2.88	2.90	2.92	2.94	3.00	3.03	3.09	0.2%	
Mountain	3.42	3.57	3.14	3.22	3.23	3.28	3.27	3.29	3.27	3.30	3.34	3.40	3.45	3.44	3.47	3.47	3.46	3.47	3.47	3.47	3.45	3.49	3.47	3.52	3.56	0.2%	
Pacific	4.02	4.22	3.90	3.94	3.92	3.89	3.84	3.82	3.79	3.78	3.80	3.82	3.86	3.85	3.88	3.90	3.86	3.88	3.86	3.85	3.85	3.85	3.85	3.87	3.91	-0.1%	
Total	4.13	4.16	3.83	3.76	3.74	3.75	3.71	3.69	3.67	3.66	3.66	3.68	3.69	3.70	3.70	3.72	3.71	3.70	3.72	3.72	3.74	3.76	3.78	3.81	3.86	-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. 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.

Table 82. Natural Gas Delivered Prices by End-Use Sector and Census Division (Continued)

Notes: Totals may not equal sum of components due to independent rounding. Figures for 1996 may differ from published data due to internal conversion factors in the AEO98 National Energy Modeling System.

Sources: 1996 residential and commercial sector values: Energy Information Administration (EIA), Natural Gas Monthly, DOE/EIA-0130(97/6) (Washington, D.C., June 1997). 1996 industrial natural gas delivered prices are based on EIA, Manufacturing Energy Consumption Survey 1991. Other 1996 values and projections: EIA, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 83. Natural Gas Pipeline Capacity By Census Division (Design Capacity in Billions of Cubic Feet per Year)																												
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020		
Capacity Entering Region 1/																												
New England	1213	1213	1239	1344	1452	1452	1452	1509	1509	1509	1548	1568	1574	1584	1584	1584	1584	1584	1584	1602	1706	1741	1741	1741	1741	1741	1.5%	
Middle Atlantic	4374	4383	4415	4714	5275	5397	5445	5672	5680	5680	5758	5761	5763	5766	5806	5882	5934	6016	6068	6213	6400	6609	6661	6724	6747	6747	1.8%	
East North Central	7998	8057	8142	8922	10159	10168	10168	10168	10168	10168	10168	10168	10168	10168	10191	10191	10239	10239	10348	10452	10495	10779	10891	11176	11188	11188	1.4%	
West North Central	5581	5593	5783	6367	6832	6832	6832	6832	6832	6832	6832	6832	6832	6861	6861	6861	6861	6865	6880	6895	6910	6925	6948	7103	7140	7177	7213	1.1%
South Atlantic	5840	5915	5968	6244	6642	6765	6791	6809	6879	6879	6893	6927	6957	6981	7389	7557	7662	7972	8200	8609	8673	8706	8723	8723	8891	8891	1.8%	
East South Central	7642	8003	8076	8118	8156	8205	8205	8205	8205	8205	8205	8246	8441	8827	9310	9482	9589	9889	10194	10663	10754	10890	11016	11253	11457	11457	1.7%	
West South Central	1629	1635	1677	1763	1763	1763	1780	1813	1838	1919	2026	2146	2224	2254	2254	2266	2303	2340	2376	2413	2437	2437	2437	2437	2437	2437	1.7%	
Mountain	3599	3599	3816	4256	4256	4256	4256	4256	4256	4256	4261	4283	4318	4353	4388	4423	4458	4493	4528	4563	4603	4653	4703	4753	4803	4803	1.2%	
Pacific	3857	3857	3858	3861	3869	4061	4153	4214	4214	4214	4219	4234	4331	4404	4493	4615	4672	4687	4705	4725	4797	4797	4797	4797	4797	4799	0.9%	
Total	41734	42256	42976	45589	48403	48899	49082	49478	49581	49662	49911	50193	50637	51198	52276	52867	53321	54114	54913	56164	56814	57715	58110	5878	59276	59276	1.5%	
United States (Pipeline Imports)																												
	3864	3886	4103	4774	5334	5334	5334	5334	5334	5334	5344	5384	5436	5489	5542	5599	5675	5760	5827	5895	5957	6007	6057	6107	6157	6157	2.0%	
Capacity Exiting Region 2/																												
New England	91	91	96	104	104	104	152	379	387	387	464	464	464	464	464	464	464	464	464	464	464	488	512	513	513	513	7.5%	
Middle Atlantic	2042	2042	2076	2184	2264	2264	2264	2321	2321	2321	2361	2381	2387	2397	2397	2397	2397	2397	2397	2397	2414	2519	2554	2554	2554	2554	0.9%	
East North Central	2681	2688	2688	2918	3427	3549	3549	3550	3550	3550	3550	3550	3550	3550	3550	3587	3661	3701	3764	3814	3814	3814	3814	3814	3814	3814	1.5%	
West North Central	4099	4158	4287	5155	6391	6400	6400	6400	6400	6400	6400	6400	6400	6400	6400	6423	6423	6471	6471	6580	6684	6727	6905	6905	6970	6982	2.2%	
South Atlantic	3284	3290	3311	3524	3950	4121	4121	4121	4121	4121	4121	4121	4121	4121	4121	4121	4121	4121	4121	4263	4425	4609	4660	4724	4744	4744	1.5%	
East South Central	7980	8048	8072	8139	8178	8178	8204	8222	8292	8292	8306	8340	8369	8394	8802	8970	9075	9385	9613	10022	10086	10224	10354	10573	10742	10742	1.2%	
West South Central	12081	12432	12521	12669	12688	12688	12689	12690	12692	12694	12695	12766	12963	13351	13837	14009	14116	14417	14723	15194	15289	15547	15679	15921	16131	16131	1.2%	
Mountain	6050	6050	6269	6802	6982	7174	7282	7377	7401	7483	7590	7709	7870	7958	8032	8152	8230	8267	8306	8348	8447	8484	8520	8557	8596	8596	1.5%	
Pacific	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	220	0.0%	
Total	38528	39020	39539	41714	44203	44699	44882	45280	45385	45469	45708	45952	46345	46856	47884	48418	48796	49506	50237	51424	52015	52870	53219	53846	54298	54298	1.4%	
United States (Pipeline Exports)																												
	659	650	666	898	1133	1133	1134	1136	1138	1140	1141	1142	1144	1147	1150	1150	1150	1151	1152	1155	1158	1161	1167	1172	1179	1179	2.5%	

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

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

N/A = Not applicable.

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

Source: Energy Information Administration, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 84. Natural Gas Pipeline Capacity Utilization 1/ By Census Division (Fraction)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Utilization Entering Region																											
New England	0.47	0.44	0.43	0.43	0.45	0.52	0.53	0.54	0.55	0.55	0.55	0.55	0.56	0.56	0.57	0.58	0.58	0.59	0.60	0.59	0.57	0.56	0.56	0.57	0.57	0.57	0.8%
Middle Atlantic	0.68	0.67	0.68	0.63	0.57	0.58	0.58	0.58	0.60	0.60	0.60	0.62	0.64	0.64	0.66	0.66	0.66	0.66	0.66	0.65	0.65	0.64	0.64	0.64	0.64	0.64	-0.2%
East North Central	0.66	0.61	0.64	0.65	0.59	0.58	0.59	0.61	0.60	0.61	0.61	0.62	0.64	0.65	0.65	0.65	0.65	0.66	0.65	0.68	0.75	0.69	0.70	0.69	0.67	0.67	0.1%
West North Central	0.50	0.56	0.67	0.61	0.59	0.69	0.69	0.70	0.72	0.73	0.74	0.72	0.74	0.73	0.70	0.80	0.70	0.71	0.79	0.69	0.84	0.81	0.74	0.87	0.85	0.85	2.2%
South Atlantic	0.69	0.66	0.69	0.65	0.60	0.63	0.61	0.60	0.61	0.61	0.62	0.62	0.62	0.63	0.63	0.64	0.63	0.62	0.61	0.52	0.53	0.54	0.54	0.57	0.54	0.54	-1.0%
East South Central	0.93	0.85	0.77	0.82	0.82	0.75	0.78	0.78	0.78	0.79	0.81	0.85	0.85	0.85	0.88	0.77	0.88	0.86	0.77	0.83	0.74	0.77	0.81	0.71	0.74	0.74	-0.9%
West South Central	0.40	0.33	0.24	0.27	0.23	0.24	0.21	0.31	0.17	0.16	0.18	0.11	0.10	0.09	0.07	0.07	0.12	0.26	0.11	0.27	0.10	0.16	0.27	0.21	0.27	-1.6%	
Mountain	0.45	0.45	0.47	0.47	0.47	0.47	0.47	0.46	0.46	0.46	0.46	0.47	0.47	0.48	0.48	0.48	0.49	0.49	0.50	0.50	0.50	0.51	0.51	0.52	0.52	0.6%	
Pacific	0.59	0.59	0.62	0.69	0.70	0.68	0.68	0.69	0.70	0.71	0.73	0.75	0.75	0.75	0.75	0.71	0.72	0.71	0.71	0.70	0.68	0.70	0.69	0.70	0.70	0.70	0.7%
Average 2/	0.65	0.63	0.64	0.64	0.61	0.61	0.62	0.63	0.63	0.63	0.64	0.65	0.66	0.66	0.66	0.66	0.66	0.67	0.65	0.65	0.65	0.65	0.66	0.66	0.65	0.65	-0.0%
United States (Pipeline Import)																											
	0.89	0.90	0.91	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.90	0.90	0.90	0.90	0.90	0.91	0.91	0.91	0.91	0.91	0.92	0.92	0.92	0.92	0.92	0.2%
Utilization Exiting Region																											
New England	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Middle Atlantic	0.31	0.30	0.28	0.24	0.23	0.27	0.28	0.29	0.30	0.30	0.30	0.30	0.31	0.31	0.32	0.32	0.33	0.33	0.34	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.3%
East North Central	0.59	0.41	0.55	0.57	0.54	0.52	0.53	0.53	0.52	0.52	0.51	0.51	0.54	0.53	0.50	0.49	0.44	0.44	0.43	0.50	0.68	0.55	0.57	0.59	0.53	0.53	-0.4%
West North Central	0.50	0.56	0.69	0.57	0.49	0.60	0.59	0.61	0.63	0.64	0.65	0.64	0.66	0.64	0.59	0.72	0.59	0.62	0.71	0.58	0.74	0.70	0.64	0.78	0.73	0.73	1.6%
South Atlantic	0.70	0.70	0.74	0.67	0.57	0.60	0.59	0.55	0.57	0.57	0.58	0.58	0.58	0.59	0.64	0.68	0.68	0.70	0.72	0.58	0.57	0.57	0.57	0.62	0.57	0.57	-0.8%
East South Central	0.78	0.73	0.65	0.71	0.70	0.63	0.65	0.65	0.64	0.64	0.66	0.69	0.70	0.74	0.77	0.66	0.77	0.74	0.65	0.72	0.62	0.64	0.69	0.58	0.62	0.62	-1.0%
West South Central	0.65	0.64	0.64	0.66	0.66	0.67	0.68	0.72	0.73	0.73	0.76	0.77	0.77	0.77	0.76	0.72	0.76	0.75	0.71	0.72	0.70	0.70	0.73	0.69	0.71	0.71	0.3%
Mountain	0.63	0.59	0.60	0.59	0.54	0.54	0.53	0.54	0.51	0.53	0.53	0.52	0.53	0.52	0.55	0.55	0.54	0.58	0.58	0.59	0.58	0.62	0.59	0.64	0.63	0.63	0.0%
Pacific	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-0.0%
Average 2/	0.63	0.61	0.62	0.62	0.58	0.59	0.59	0.60	0.60	0.61	0.62	0.62	0.63	0.64	0.64	0.63	0.64	0.64	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	-0.0%
United States (Pipeline Export)																											
	0.86	0.85	0.86	0.87	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.1%

1/ Capacity utilization is defined as the annual throughput volume divided by the design capacity (Table 87). On bi-directional arcs, the annual volume only reflects the volume moving in the dominate direction of the flow. Capacity utilization may be somewhat understated for pipeline corridors where flow changes directions to accommodate seasonal changes in supply, demand and storage patterns.

2/ Weighted average utilization. Weights used are the regional pipeline capacity levels provided in Table 77.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 85. Domestic Coal Supply, Disposition, and Prices																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Sources of Supply (million short ton)																										
Distribution From																										
Appalachia	374.9	382.4	401.4	402.0	411.5	417.3	419.0	422.6	424.8	419.8	414.3	414.3	416.2	407.8	411.4	407.3	407.0	409.7	407.9	405.8	414.9	419.1	418.6	415.0	408.2	0.4%
Interior	170.0	163.8	174.0	168.4	179.9	176.9	165.7	168.1	169.3	172.2	178.2	177.7	176.4	171.1	174.6	165.8	166.4	167.3	162.4	164.2	161.8	156.2	158.9	158.6	163.2	-0.2%
Northern Great Plains	343.2	368.3	373.4	380.8	369.3	389.0	390.4	389.0	392.0	399.7	416.2	422.4	428.3	458.9	455.6	489.4	496.7	495.4	520.2	540.6	543.3	552.8	568.3	590.6	608.6	2.4%
Other West and Non-Contiguous	85.3	86.5	83.4	84.7	89.6	95.2	101.0	101.7	102.5	111.5	115.1	117.6	119.4	113.3	112.0	108.4	105.8	107.5	103.0	96.2	93.3	88.4	85.5	77.3	68.6	-0.9%
Total Distribution (excludes exports) 1/ ..	973.4	1001.0	1032.2	1035.9	1050.3	1078.4	1076.1	1081.3	1088.6	1103.1	1123.8	1132.1	1140.4	1151.1	1153.5	1170.8	1176.0	1180.0	1193.5	1206.8	1213.2	1216.5	1231.4	1241.4	1248.6	1.0%
Imports	7.1	7.1	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	0.4%
Total Supply	980.5	1008.1	1039.3	1043.0	1057.8	1085.8	1083.6	1088.8	1096.2	1110.7	1131.4	1139.6	1148.0	1158.7	1161.2	1178.5	1183.7	1187.7	1201.2	1214.5	1221.0	1224.2	1239.2	1249.3	1256.4	1.0%
Consumption (million short tons)																										
Residential/Commercial ...	5.9	6.1	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	0.4%
Industrial	70.0	68.5	69.8	70.6	70.9	72.5	74.0	75.1	76.5	77.2	78.0	78.8	79.5	80.1	80.6	81.0	81.3	81.3	81.1	81.0	81.0	81.2	81.3	81.4	81.4	0.6%
Coke Plants	31.8	32.0	32.1	31.6	31.1	30.5	29.9	29.3	28.7	28.3	28.0	27.6	27.2	26.8	26.4	26.0	25.6	25.2	24.8	24.4	24.1	23.7	23.4	23.0	22.7	-1.4%
Electricity	895.6	902.8	942.6	935.5	950.2	977.5	974.4	979.1	985.5	999.7	1017.5	1029.6	1035.0	1046.5	1048.9	1066.6	1071.0	1074.8	1090.2	1103.1	1109.3	1113.5	1128.3	1139.1	1146.5	1.0%
Total Consumption	1003.2	1009.4	1050.6	1043.9	1058.3	1086.6	1084.4	1089.8	1096.9	1111.5	1129.8	1142.3	1148.0	1159.7	1162.2	1180.0	1184.4	1187.8	1202.6	1215.0	1220.9	1225.0	1239.5	1250.0	1257.1	0.9%
Discrepancy 2/	-22.7	-1.3	-11.4	-0.9	-0.5	-0.8	-0.9	-1.0	-0.8	-0.8	1.5	-2.7	-0.1	-1.0	-1.0	-1.5	-0.6	-0.1	-1.4	-0.5	0.1	-0.7	-0.3	-0.8	-0.6	-13.8%
Delivered Prices (1996 dollars per short ton)																										
Industrial	32.28	32.01	31.62	31.32	31.03	30.75	30.50	30.28	30.10	29.92	29.73	29.59	29.48	29.37	29.29	29.21	29.09	29.02	28.98	28.90	28.82	28.69	28.67	28.62	28.57	-0.5%
Coke Plants	47.33	48.62	48.00	47.56	47.16	46.74	46.46	46.31	46.17	45.90	45.63	45.49	45.36	45.23	45.10	45.07	44.95	44.92	44.92	44.78	44.76	44.76	44.64	44.63	44.61	-0.2%
Electricity	26.45	25.72	25.27	25.05	24.71	24.35	24.16	23.87	23.59	23.37	22.97	22.73	22.55	22.28	22.09	21.77	21.45	21.22	21.03	20.72	20.49	20.31	20.08	19.80	19.52	-1.3%
Average Price 3/	27.52	26.88	26.40	26.16	25.80	25.41	25.21	24.92	24.64	24.40	24.00	23.75	23.57	23.30	23.12	22.80	22.49	22.27	22.06	21.76	21.53	21.35	21.11	20.84	20.56	-1.2%

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

2/ Includes stock changes.

3/ 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.

W = Withheld.

N/A = Not applicable.

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

Source: Energy Information Administration, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 86. Coal Production and Minemouth Prices by Region																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Production (million short tons per year)																										
Appalachia	451.87	457.99	478.16	479.93	490.83	498.15	501.46	506.68	510.15	506.36	502.18	503.60	506.94	500.00	505.25	502.75	502.56	506.39	505.87	504.98	514.81	520.13	520.88	518.49	512.98	0.5%
Interior	172.85	166.15	176.61	171.30	183.16	180.55	169.80	171.75	172.82	175.52	181.38	180.67	179.24	173.76	177.16	168.22	168.89	169.82	164.88	166.70	164.38	158.75	161.54	161.20	165.82	-0.2%
Northern Great Plains	346.19	371.26	376.68	384.46	373.35	393.49	395.47	393.57	396.31	403.82	420.10	426.15	431.83	462.29	458.80	492.44	499.83	498.55	523.31	543.81	546.46	556.03	571.54	593.89	611.92	2.4%
Other West and Non-Contiguous	92.95	93.00	90.34	92.06	97.44	103.47	109.77	110.75	111.96	121.29	125.35	128.27	130.49	124.79	123.95	120.82	118.72	120.88	116.84	110.55	108.09	103.74	101.40	93.70	85.58	-0.3%
Appalachia	451.87	457.99	478.16	479.93	490.83	498.15	501.46	506.68	510.15	506.36	502.18	503.60	506.94	500.00	505.25	502.75	502.56	506.39	505.87	504.98	514.81	520.13	520.88	518.49	512.98	0.5%
Interior	172.85	166.15	176.61	171.30	183.16	180.55	169.80	171.75	172.82	175.52	181.38	180.67	179.24	173.76	177.16	168.22	168.89	169.82	164.88	166.70	164.38	158.75	161.54	161.20	165.82	-0.2%
West	439.14	464.26	467.02	476.52	470.79	496.97	505.24	504.31	508.28	525.11	545.45	554.42	562.32	587.08	582.75	613.26	618.54	619.42	640.15	654.36	654.55	659.77	672.94	687.59	697.50	1.9%
East of Mississippi River	563.67	560.14	589.31	585.15	603.30	600.15	600.59	606.81	609.86	608.01	602.83	602.55	604.74	593.08	601.80	599.58	599.73	603.58	607.61	608.58	615.41	624.52	627.25	623.80	622.52	0.4%
West of Mississippi River	500.19	528.27	532.49	542.60	541.47	575.52	575.91	575.94	581.39	598.99	626.18	636.15	643.77	667.77	663.36	684.65	690.26	692.05	703.28	717.46	718.33	714.12	728.12	743.47	753.78	1.7%
U.S. Total 1/	1063.86	1088.41	1121.80	1127.75	1144.77	1175.67	1176.50	1182.75	1191.25	1207.00	1229.01	1238.69	1248.51	1260.84	1265.16	1284.23	1290.00	1295.63	1310.89	1326.03	1333.74	1338.64	1355.36	1367.27	1376.30	1.1%
Minemouth Prices (1996 dollars per short ton)																										
Appalachia	26.77	26.26	25.68	25.40	24.99	24.71	24.38	24.08	23.85	23.63	23.39	23.18	22.99	22.85	22.66	22.47	22.21	22.03	21.94	21.78	21.61	21.45	21.33	21.20	21.14	-1.0%
Interior	18.41	18.45	18.40	18.00	18.07	17.19	17.01	16.80	16.55	16.35	16.00	15.80	15.67	15.48	15.51	15.64	15.57	15.48	15.66	15.62	15.53	15.68	15.63	15.55	15.61	-0.7%
Northern Great Plains	6.94	6.83	6.60	6.44	6.30	6.16	6.04	5.94	5.85	5.78	5.69	5.65	5.61	5.61	5.60	5.62	5.57	5.55	5.57	5.58	5.56	5.55	5.57	5.57	5.56	-0.9%
Other West and Non-Contiguous	21.57	21.71	21.52	21.34	21.02	20.62	20.32	20.07	19.79	19.44	19.09	18.83	18.58	18.47	18.34	18.12	17.85	17.63	17.51	17.38	17.13	16.96	16.86	16.77	16.67	-1.1%
Appalachia	26.77	26.26	25.68	25.40	24.99	24.71	24.38	24.08	23.85	23.63	23.39	23.18	22.99	22.85	22.66	22.47	22.21	22.03	21.94	21.78	21.61	21.45	21.33	21.20	21.14	-1.0%
Interior	18.41	18.45	18.40	18.00	18.07	17.19	17.01	16.80	16.55	16.35	16.00	15.80	15.67	15.48	15.51	15.64	15.57	15.48	15.66	15.62	15.53	15.68	15.63	15.55	15.61	-0.7%
West	10.03	9.81	9.49	9.32	9.35	9.17	9.14	9.04	8.92	8.93	8.77	8.70	8.62	8.35	8.31	8.09	7.92	7.91	7.75	7.57	7.47	7.35	7.27	7.09	6.93	-1.5%
East of Mississippi River	25.69	25.36	24.82	24.54	24.19	23.90	23.58	23.28	23.05	22.80	22.56	22.35	22.19	22.06	21.88	21.71	21.48	21.32	21.22	21.05	20.94	20.78	20.66	20.55	20.48	-0.9%
West of Mississippi River	10.40	10.30	10.02	9.87	9.94	9.78	9.67	9.58	9.47	9.45	9.32	9.25	9.16	8.89	8.86	8.57	8.42	8.40	8.18	8.00	7.91	7.72	7.65	7.48	7.32	-1.5%
U.S. Total	18.50	18.05	17.79	17.48	17.45	16.99	16.77	16.61	16.42	16.18	15.81	15.62	15.47	15.08	15.05	14.71	14.49	14.42	14.22	13.99	13.92	13.81	13.67	13.44	13.27	-1.4%

1/ Excludes distributions less than 500 tons and to unknown destinations; includes exports.
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: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 87. Coal Production by Region and Type (million short tons per year)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Northern Appalachia	146.52	144.35	171.77	159.48	171.64	178.62	182.72	194.16	195.22	191.68	195.59	197.70	202.88	198.85	209.66	214.38	223.71	233.86	239.30	245.01	256.99	267.13	271.18	269.8	272.45	2.6%
Medium Sulfur (Premium)1/	9.87	8.24	8.22	8.14	8.07	8.00	7.92	7.95	7.93	7.93	7.92	7.92	7.91	0.90	8.07	8.06	8.02	7.98	0.94	7.90	7.87	7.83	7.79	7.75	7.72	-1.0%
Low Sulfur (Bituminous) 2/	2.91	2.82	3.30	2.76	3.10	2.70	2.56	2.42	2.41	2.34	2.20	2.12	2.16	2.20	2.21	2.31	2.24	2.26	2.36	2.23	2.20	2.30	2.34	2.29	2.26	-1.0%
Medium Sulfur (Bituminous) 2/	65.50	75.37	91.09	83.58	86.54	88.24	91.97	101.11	101.89	98.08	103.78	106.30	113.97	109.35	118.03	120.89	129.90	139.48	140.94	140.40	151.00	156.55	154.13	147.92	143.73	3.3%
High Sulfur (Bituminous)	60.98	51.77	58.85	58.85	65.73	73.10	73.54	75.06	74.71	74.83	73.78	73.51	71.25	70.96	73.41	74.37	75.81	76.88	80.02	86.23	88.54	92.40	98.76	104.55	110.82	2.5%
High Sulfur (Gob) 3/	7.26	6.15	10.32	6.14	8.20	6.59	6.73	7.63	8.28	8.49	7.91	7.85	7.59	8.45	7.94	8.75	7.74	7.27	8.04	8.26	7.39	8.05	8.16	7.30	7.92	0.4%
Central Appalachia	277.06	286.71	278.47	292.67	291.74	292.19	291.83	286.13	288.91	288.97	281.91	281.66	280.55	278.26	273.31	267.37	258.91	253.45	247.63	241.14	239.25	234.51	231.30	231.09	222.37	-0.9%
Medium Sulfur (Premium)1/	65.19	67.78	67.66	66.89	66.13	65.29	64.46	64.38	63.91	63.63	63.34	63.06	62.74	62.43	62.12	61.82	60.54	60.24	59.96	59.67	58.82	58.30	57.87	57.45	57.03	-0.6%
Low Sulfur (Bituminous)	61.16	62.22	61.42	64.05	61.83	63.71	62.50	61.53	62.62	63.27	59.45	60.63	61.37	58.39	58.62	58.20	53.83	51.48	48.29	45.69	44.12	41.52	39.30	36.97	34.24	-2.4%
Medium Sulfur (Bituminous)	150.72	156.70	149.39	161.73	163.79	163.19	164.87	160.21	162.38	162.08	159.12	157.98	156.43	157.45	152.57	147.35	144.54	141.72	139.39	135.79	136.31	134.69	134.13	136.67	131.10	-0.6%
Southern Appalachia	28.29	26.94	27.92	27.79	27.44	27.35	26.91	26.35	26.02	25.71	24.68	24.24	23.52	22.88	22.29	21.00	19.94	19.08	18.93	18.82	18.56	18.49	18.40	17.59	18.16	-1.8%
Low Sulfur (Premium) 1/	8.20	6.03	6.00	5.95	5.90	5.85	5.79	5.84	5.83	5.84	5.84	5.84	5.84	5.85	5.85	5.85	5.72	5.70	5.68	5.66	5.64	5.62	5.60	5.58	5.56	-1.6%
Low Sulfur (Bituminous)	8.24	9.26	10.21	10.03	9.88	10.08	9.88	9.62	9.44	9.29	8.68	8.66	8.32	8.03	7.76	7.21	6.81	6.45	6.76	7.02	7.39	7.77	7.97	7.25	8.08	-0.1%
Medium Sulfur (Bituminous)	11.85	11.64	11.72	11.81	11.66	11.42	11.24	10.94	10.75	10.59	10.16	9.74	9.35	9.00	8.67	7.94	7.41	6.93	6.49	6.14	5.52	5.10	4.83	4.76	4.52	-3.9%
Eastern Interior	111.80	102.15	111.14	105.21	112.48	102.00	99.13	100.13	99.71	101.65	100.65	98.94	97.79	93.08	96.55	96.83	97.17	97.19	101.74	103.60	100.61	104.40	106.36	105.3	109.54	-0.1%
Medium Sulfur (Bituminous)	35.15	43.27	48.75	43.49	49.12	39.98	39.13	40.88	40.14	40.76	40.61	40.01	40.15	36.51	40.60	33.58	34.56	34.83	39.54	41.38	40.00	40.18	41.66	41.30	46.20	1.1%
High Sulfur (Bituminous)	76.64	58.88	62.40	61.73	63.36	62.01	60.00	59.26	59.57	60.89	60.03	58.93	57.65	56.57	55.95	63.26	62.61	62.35	62.20	62.22	60.61	64.22	64.71	64.0	63.34	-0.8%
Western Int. High Sulfur (Bituminous)	3.11	6.48	6.69	6.91	7.52	6.99	6.56	6.15	5.91	5.56	5.30	5.06	4.83	4.41	4.35	4.40	4.08	3.93	3.74	3.52	3.38	3.24	3.10	2.93	2.76	-0.5%
Gulf	57.94	57.53	58.78	59.18	63.16	71.56	64.10	65.47	67.20	68.32	75.44	76.67	76.62	76.28	76.26	66.99	67.64	68.70	59.39	59.58	60.39	51.11	52.07	52.95	53.52	-0.3%
Medium Sulfur (Lignite)	33.10	28.75	30.14	30.31	30.02	30.98	30.74	30.35	30.17	29.99	29.40	28.13	27.05	25.98	24.98	23.41	22.28	21.25	20.32	19.55	18.18	17.13	16.41	16.17	15.55	-3.1%
High Sulfur (Lignite)	24.84	28.78	28.65	28.87	33.14	40.58	33.36	35.08	37.03	38.33	46.04	48.55	49.58	50.29	51.27	43.58	45.36	47.46	39.07	40.03	42.21	33.99	35.66	36.79	37.98	1.8%
Dakota Med. Sulfur (Lignite) 4/	30.12	30.37	31.22	30.86	31.24	31.54	31.59	31.69	31.32	31.44	31.58	31.68	31.80	31.90	31.97	36.93	36.98	37.01	37.27	37.66	38.01	38.64	38.86	38.95	39.12	1.1%
Powder/Green River	316.07	340.89	345.45	353.60	342.11	361.95	363.88	361.87	364.99	372.37	388.52	394.46	400.03	430.38	426.83	455.51	462.84	461.54	486.04	506.14	508.44	517.38	532.68	554.93	572.80	2.5%
Low Sulfur (Bituminous)	2.79	3.86	3.90	3.93	4.14	3.80	3.70	3.61	3.56	3.51	3.38	3.26	3.14	3.02	2.91	2.68	2.52	2.37	2.23	2.11	1.92	1.79	1.69	1.66	1.58	-2.3%
Low Sulfur (Sub-Bituminous)	281.07	306.98	311.46	319.53	307.71	329.65	332.59	331.88	335.89	343.97	361.79	369.36	376.46	408.25	406.05	437.52	446.85	447.36	473.49	494.94	499.54	510.10	526.52	549.15	567.97	3.0%
Medium Sulfur (Sub-Bituminous)	32.21	30.05	30.09	30.14	30.25	28.49	27.58	26.38	25.55	24.90	23.36	21.84	20.43	19.12	17.86	15.31	13.47	11.81	10.32	9.09	6.98	5.50	4.47	4.13	3.25	-9.1%

Table 87. Coal Production by Region and Type (million short tons per year)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Rocky Mountain	52.39	54.95	52.24	53.86	59.44	67.41	74.83	77.39	79.81	90.14	96.30	101.29	105.42	101.32	102.01	102.03	102.18	106.38	104.16	99.37	99.51	96.66	94.73	87.28	79.48	1.8%
Low Sulfur (Bituminous) . . .	43.09	39.76	37.36	38.65	44.57	51.16	58.00	61.74	64.75	75.31	82.49	88.05	92.76	89.21	90.56	90.98	91.68	96.18	94.43	90.19	90.69	88.26	86.68	79.70	72.38	2.2%
Low Sulfur (Sub-Bituminous)	9.30	15.18	14.89	15.21	14.87	16.25	16.83	15.65	15.06	14.83	13.81	13.24	12.66	12.11	11.45	11.06	10.50	10.21	9.73	9.18	8.82	8.40	8.06	7.58	7.10	-1.1%
Arizona/New Mexico	34.51	33.40	33.41	33.41	33.23	31.36	30.29	28.85	27.72	26.75	24.79	22.86	21.07	19.57	18.15	15.24	13.16	11.28	9.60	8.21	5.82	4.45	4.11	3.86	3.60	-9.0%
Low Sulfur (Bituminous) . . .	16.85	16.76	16.76	16.76	16.14	15.68	15.15	14.43	13.79	13.20	12.14	11.10	10.14	9.41	8.71	7.30	6.28	5.36	4.54	3.86	2.70	2.19	2.13	2.01	1.89	-8.7%
Medium Sulfur (Sub-Bituminous)	17.66	16.64	16.64	16.65	17.09	15.68	15.13	14.42	13.93	13.54	12.64	11.76	10.93	10.16	9.43	7.95	6.88	5.92	5.06	4.34	3.12	2.26	1.98	1.85	1.72	-9.3%
Washington/Alaska																										
Medium Sulfur (Sub-Bituminous)	6.05	4.66	4.69	4.78	4.77	4.70	4.66	4.50	4.44	4.40	4.26	4.12	4.00	3.89	3.79	3.55	3.37	3.21	3.08	2.97	2.77	2.63	2.56	2.56	2.50	-3.6%
Subtotals: All Regions																										
Premium Metallurgical 1/ . . .	83.26	82.05	81.87	80.99	80.11	79.13	78.17	78.17	77.68	77.39	77.11	76.82	76.49	76.17	76.04	75.73	74.28	73.93	73.58	73.24	72.33	71.75	71.26	70.78	70.30	-0.7%
Bituminous	552.25	538.81	561.82	564.26	587.36	592.07	599.11	606.95	611.91	619.71	621.12	625.35	631.52	614.50	624.36	620.44	622.27	630.22	630.93	626.77	634.39	640.19	641.42	632.02	622.89	0.5%
Sub-Bituminous	340.29	373.50	377.77	386.31	374.70	394.77	396.79	392.84	394.86	401.65	415.86	420.32	424.49	453.54	448.59	475.38	481.08	478.51	501.67	520.52	521.22	528.89	543.58	565.26	582.53	2.3%
Lignite	88.06	94.04	100.33	96.19	102.60	109.69	102.43	104.79	106.80	108.25	114.92	116.21	116.01	116.63	116.17	112.67	112.37	112.97	104.71	105.50	105.80	97.81	99.09	99.21	100.57	0.6%
Low Sulfur	433.61	462.88	465.29	476.88	468.14	498.88	507.00	506.72	513.34	531.57	549.77	562.25	572.86	596.47	594.12	623.11	626.44	627.37	647.50	660.88	663.02	667.94	680.28	692.19	701.03	2.0%
Medium Sulfur	457.41	473.46	489.60	488.37	498.68	487.51	489.29	492.85	492.41	487.33	486.18	482.55	484.76	473.69	478.12	466.77	467.96	470.38	470.31	464.89	468.58	468.81	464.68	459.49	452.44	-0.0%
High Sulfur	172.83	152.06	166.90	162.49	177.95	189.27	180.20	183.18	185.50	188.10	193.05	193.89	190.89	190.68	192.92	194.36	195.59	197.88	193.08	200.26	202.14	201.89	210.40	215.58	222.81	1.1%
U.S. Total	1063.86	1088.40	1121.79	1127.75	1144.77	1175.66	1176.49	1182.74	1191.25	1207.00	1229.01	1238.69	1248.51	1260.84	1265.16	1284.23	1289.99	1295.63	1310.89	1326.03	1333.73	1338.64	1355.36	1367.27	1376.30	1.1%

1/ "Premium" coal is used to make metallurgical coke.

2/ Includes Pennsylvania anthracite.

3/ "Gob" and "culm" are recycled wastes from the preparation of bituminous and anthracite coal respectively. They tend to be high in ash and sulfur content and have a heat content similar to lignite.

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, AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 88. Coal Prices by Region and Type (1996 Dollars per Short Ton)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996- 2020
Northern Appalachia	25.26	24.08	23.56	23.34	23.01	22.80	22.40	22.11	21.78	21.52	21.30	21.04	20.88	20.61	20.51	20.28	20.04	19.86	19.75	19.58	19.41	19.31	19.17	19.00	18.89	-1.2%
Med. Sulfur (Premium) 1/ . .	39.67	37.95	37.20	36.65	36.46	35.92	35.56	35.38	35.20	34.85	34.51	34.33	34.16	33.99	33.80	33.46	33.30	32.96	32.96	32.80	32.47	32.47	32.31	32.30	31.98	-0.9%
Low Sulfur (Bituminous) 2/ . .	36.13	35.07	34.99	34.33	34.14	33.67	33.29	33.05	32.72	32.41	32.18	31.98	31.74	31.50	31.29	31.03	30.83	30.81	30.48	30.33	30.29	30.26	30.08	29.78	29.76	-0.8%
Med. Sulfur(Bituminous) 2/ . .	25.24	24.27	24.11	23.54	23.44	23.21	22.82	22.61	22.29	22.06	21.83	21.55	21.35	21.14	20.95	20.75	20.42	20.19	20.14	20.01	19.79	19.68	19.57	19.39	19.31	-1.1%
High Sulfur (Bituminous) . . .	24.29	22.79	22.60	22.22	22.00	21.76	21.37	21.10	20.81	20.59	20.25	19.97	19.70	19.50	19.39	19.22	18.94	18.73	18.66	18.53	18.34	18.31	18.20	18.04	18.02	-1.2%
High Sulfur (Gob) 3/	9.81	9.15	9.67	8.73	8.97	8.43	8.25	8.16	8.10	8.01	7.93	7.90	7.82	7.81	7.78	7.81	7.72	7.63	7.63	7.60	7.53	7.54	7.52	7.46	7.47	-1.1%
Central Appalachia	26.43	26.28	25.79	25.38	25.01	24.73	24.46	24.23	24.09	23.87	23.71	23.55	23.42	23.35	23.22	23.15	23.01	22.98	22.97	22.87	22.82	22.68	22.63	22.60	22.61	-0.6%
Med. Sulfur (Premium) 1/ . .	28.82	29.35	28.76	28.33	27.91	27.49	27.22	27.08	26.95	26.68	26.41	26.28	26.15	26.02	25.89	25.89	25.76	25.76	25.76	25.63	25.63	25.63	25.50	25.50	25.50	-0.5%
Low Sulfur (Bituminous) . . .	26.86	26.34	25.89	25.57	25.22	24.98	24.73	24.56	24.38	24.25	24.06	23.93	23.78	23.69	23.67	23.54	23.33	23.13	23.02	22.91	22.76	22.65	22.52	22.42	22.25	-0.8%
Med. Sulfur (Bituminous) . . .	25.22	24.92	24.40	24.08	23.77	23.52	23.28	22.97	22.85	22.63	22.50	22.31	22.19	22.17	21.96	21.85	21.74	21.74	21.75	21.65	21.62	21.41	21.42	21.43	21.45	-0.7%
Southern Appalachia	37.98	37.74	37.63	37.42	37.24	37.09	36.97	36.84	36.67	36.66	36.40	36.29	36.14	36.23	36.13	36.12	36.10	36.10	36.19	36.31	36.54	36.69	36.89	36.63	36.97	-0.1%
Low Sulfur (Premium) 1/ . . .	42.81	42.34	41.92	41.71	41.50	41.29	41.29	41.08	40.88	40.87	40.87	40.67	40.46	40.66	40.46	40.46	40.66	40.66	40.66	40.45	40.45	40.45	40.65	40.65	40.64	-0.2%
Low Sulfur (Bituminous) . . .	41.30	41.48	41.45	41.25	41.04	40.83	40.82	40.62	40.42	40.41	40.01	39.81	39.61	39.77	39.61	39.57	39.37	39.37	39.37	39.56	39.59	39.59	39.79	39.39	39.79	-0.2%
Med. Sulfur (Bituminous) . . .	32.33	32.38	32.11	32.00	31.87	31.65	31.36	31.24	31.10	31.05	30.76	30.54	30.36	30.19	30.09	29.79	29.58	29.30	28.99	28.79	28.45	28.14	27.72	27.70	27.43	-0.7%
Eastern Interior	21.33	21.32	21.10	20.63	20.68	19.90	19.52	19.25	18.96	18.66	18.39	18.12	18.00	17.79	17.75	17.79	17.71	17.62	17.62	17.54	17.51	17.45	17.38	17.33	17.39	-0.8%
Med. Sulfur (Bituminous) . . .	23.34	23.55	23.13	22.74	22.82	21.79	21.42	21.11	20.91	20.51	20.19	19.96	19.78	19.67	19.54	19.33	19.22	19.15	19.12	18.99	18.94	18.77	18.68	18.67	18.67	-0.9%
High Sulfur (Bituminous) . . .	20.41	19.69	19.52	19.14	19.02	18.68	18.28	17.97	17.64	17.42	17.17	16.88	16.76	16.58	16.45	16.97	16.87	16.76	16.66	16.58	16.57	16.63	16.55	16.47	16.46	-0.9%
West. Int. High Sulfur (Bit.) . .	24.91	27.57	27.57	27.71	28.12	27.80	27.49	27.32	27.11	26.87	26.58	26.45	26.27	26.07	26.05	25.94	25.70	25.56	25.48	25.31	25.10	24.92	24.77	24.56	24.36	-0.1%
Gulf	12.42	12.31	12.25	12.19	12.24	12.30	12.05	12.05	12.05	12.05	12.07	12.09	12.03	12.06	12.08	11.87	11.90	11.87	11.70	11.72	11.70	11.48	11.51	11.52	11.52	-0.3%
Medium Sulfur (Lignite)	12.76	12.55	12.55	12.49	12.43	12.37	12.24	12.18	12.12	12.12	12.00	11.95	11.89	11.83	11.77	11.65	11.60	11.48	11.48	11.43	11.31	11.19	11.13	11.13	11.13	-0.6%
High Sulfur (Lignite)	11.97	12.06	11.94	11.88	12.06	12.24	11.88	11.94	12.00	12.00	12.11	12.17	12.11	12.17	12.24	11.99	12.05	12.05	11.81	11.87	11.87	11.63	11.69	11.69	11.68	-0.1%
Dakota Med. Sulfur (Lignite) 4/	8.04	7.94	7.87	7.75	7.64	7.60	7.53	7.49	7.38	7.31	7.31	7.27	7.24	7.20	7.17	7.24	7.20	7.20	7.20	7.17	7.17	7.17	7.21	7.21	7.21	-0.5%
Powder/Green River	6.83	6.74	6.49	6.33	6.17	6.03	5.91	5.81	5.72	5.65	5.56	5.51	5.49	5.50	5.48	5.49	5.44	5.42	5.45	5.46	5.44	5.43	5.45	5.45	5.45	-0.9%
Low Sulfur (Bituminous)	17.25	17.52	17.21	16.96	16.71	16.46	16.29	16.05	15.97	15.81	15.66	15.58	15.50	15.43	15.35	15.35	15.27	15.27	15.12	15.05	14.90	14.90	14.82	14.82	14.83	-0.6%
Low Sulfur (Sub-Bituminous)	6.33	6.27	6.03	5.88	5.70	5.62	5.51	5.43	5.35	5.30	5.24	5.22	5.22	5.27	5.26	5.32	5.28	5.28	5.34	5.36	5.37	5.37	5.40	5.40	5.41	-0.7%
Med. Sulfur (Sub-Bituminous)	10.27	10.05	9.85	9.70	9.56	9.42	9.33	9.19	9.14	9.05	8.97	8.92	8.88	8.83	8.79	8.70	8.66	8.58	8.49	8.45	8.37	8.20	8.16	8.17	8.01	-1.0%
Rocky Mountain	19.88	19.70	19.28	19.05	18.76	18.65	18.46	18.29	18.07	17.89	17.70	17.59	17.47	17.41	17.36	17.31	17.15	17.06	17.03	16.95	16.83	16.72	16.64	16.54	16.43	-0.8%
Low Sulfur (Bituminous)	20.21	19.78	19.20	18.91	18.58	18.34	18.12	17.97	17.75	17.59	17.45	17.36	17.26	17.21	17.17	17.14	16.98	16.91	16.88	16.81	16.69	16.59	16.52	16.41	16.30	-0.9%
Low Sulfur (Sub-Bituminous)	18.28	19.51	19.51	19.41	19.32	19.60	19.63	19.54	19.45	19.38	19.20	19.10	18.99	18.95	18.85	18.78	18.61	18.52	18.46	18.35	18.20	18.07	17.97	17.83	17.68	-0.1%

Table 88. Coal Prices by Region and Type (1996 Dollars per Short Ton)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Arizona/New Mexico	23.68	24.78	24.77	24.77	24.79	24.53	24.53	24.41	24.28	24.16	23.92	23.69	23.46	23.22	23.11	22.65	22.20	21.77	21.34	21.02	20.20	19.48	19.25	19.09	18.93	-0.9%
Low Sulfur (Bituminous)	22.85	24.64	24.64	24.51	24.39	24.27	24.27	24.15	24.03	24.03	23.79	23.43	23.08	22.97	22.85	22.40	21.84	21.40	20.98	20.67	19.85	19.26	19.15	19.00	18.85	-0.8%
Medium Sulfur (Sub-Bituminous)	24.47	24.91	24.91	25.04	25.16	24.79	24.79	24.66	24.54	24.30	24.05	23.93	23.81	23.46	23.34	22.88	22.54	22.09	21.66	21.34	20.49	19.68	19.36	19.19	19.02	-1.0%
Washington/Alaska																										
Medium Sulfur (Sub-Bituminous)	24.24	23.47	23.23	23.12	23.00	22.89	22.89	22.77	22.66	22.43	22.43	22.32	22.21	22.10	21.99	21.99	21.88	21.88	21.66	21.55	21.55	21.34	21.23	21.23	21.23	-0.6%
Subtotals: All Regions																										
Premium Metallurgical 1/	32.05	31.17	30.57	30.15	29.77	29.36	29.11	28.97	28.84	28.59	28.34	28.20	28.07	27.97	27.85	27.82	27.72	27.68	27.68	27.55	27.53	27.53	27.43	27.44	27.41	-0.7%
Bituminous	24.11	24.20	23.86	23.50	23.22	22.87	22.52	22.22	21.97	21.67	21.37	21.12	20.93	20.83	20.66	20.50	20.25	20.06	19.99	19.86	19.74	19.61	19.52	19.41	19.38	-0.9%
Sub-Bituminous	7.87	8.16	7.91	7.75	7.66	7.43	7.31	7.15	7.00	6.88	6.66	6.54	6.44	6.34	6.27	6.16	6.03	5.97	5.92	5.87	5.80	5.74	5.73	5.71	5.68	-1.3%
Lignite	10.92	10.69	10.62	10.55	10.57	10.71	10.41	10.39	10.38	10.36	10.48	10.49	10.44	10.42	10.44	10.04	10.07	10.07	9.79	9.77	9.78	9.45	9.50	9.53	9.52	-0.6%
Low Sulfur	13.13	12.67	12.35	12.11	12.06	11.80	11.66	11.53	11.40	11.35	10.97	10.89	10.79	10.37	10.36	10.05	9.76	9.69	9.44	9.19	9.09	8.94	8.80	8.50	8.29	-1.9%
Medium Sulfur	22.98	22.94	22.55	22.23	22.05	21.72	21.49	21.31	21.18	20.96	20.81	20.67	20.58	20.51	20.38	20.18	20.03	19.97	19.96	19.85	19.79	19.68	19.63	19.58	19.54	-0.7%
High Sulfur	20.20	19.21	19.02	18.94	18.75	18.47	18.32	18.00	17.67	17.43	17.02	16.76	16.54	16.34	16.31	16.50	16.38	16.24	16.30	16.26	16.17	16.33	16.27	16.22	16.20	-0.9%
U.S. Total	18.50	18.05	17.79	17.48	17.45	16.99	16.77	16.61	16.42	16.18	15.81	15.62	15.47	15.08	15.05	14.71	14.49	14.42	14.22	13.99	13.92	13.81	13.67	13.44	13.27	-1.4%

1/ "Premium" coal is used to make metallurgical coke.

2/ Includes Pennsylvania anthracite.

3/ "Gob" and "culm" are recycled wastes from the preparation of bituminous and anthracite coal respectively. They tend to be high in ash and sulfur content and have a heat content similar to lignite.

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, AEO98 National Energy Modeling System run AEO98B.D100197A

Table 89. World Steam Coal Flows By Importing Regions and Exporting Countries 1,2/ (Million Short Tons)																									1996-2020		
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Steam Coal Exports to Europe 3/																											
Australia	6.2	3.6	1.8	4.5	4.6	4.8	4.7	5.2	5.4	5.6	5.7	5.9	6.1	6.2	6.4	6.5	6.6	6.7	6.7	6.8	6.7	4.4	4.5	4.6	4.7	-1.2%	
United States	21.5	22.0	23.2	24.4	25.8	27.3	28.9	29.8	30.7	31.6	32.6	33.6	34.7	35.8	37.0	38.3	39.3	40.3	41.3	42.4	43.3	44.3	45.3	46.3	47.4	3.3%	
South Africa	39.2	45.7	46.8	47.5	48.1	47.2	46.4	45.9	46.9	48.1	49.5	50.6	50.4	50.2	49.9	48.4	47.4	46.1	44.8	44.3	44.4	46.7	46.5	46.2	45.9	0.7%	
Former U.S.S.R.	4.1	8.3	7.7	7.2	6.6	6.7	6.8	6.9	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.2	8.2	8.2	8.2	8.2	2.9%	
Poland	12.2	12.8	12.8	12.9	13.0	12.9	12.8	12.8	12.7	12.7	12.2	11.8	11.4	10.9	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	-0.6%
Canada	1.1	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.7	3.8	3.8	3.8	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.1	4.1	5.6%	
China	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	0.0	N/A	
South America	21.2	21.2	22.0	23.0	24.0	25.5	26.9	28.4	29.8	31.3	33.9	34.6	36.3	38.0	39.6	40.6	41.6	42.8	44.0	44.4	45.8	47.2	48.5	49.9	51.3	3.7%	
Indonesia 4/	6.4	4.8	6.9	4.6	4.8	4.9	5.1	5.3	4.2	2.9	0.6	0.4	0.5	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.6	1.8	2.0	2.2	2.4	-3.9%	
Total	113.1	121.4	124.5	127.3	130.3	132.8	135.3	137.8	140.4	143.0	145.5	148.0	150.6	153.2	155.7	156.9	158.1	159.4	160.6	161.8	164.4	166.9	169.4	171.9	174.5	1.8%	
Steam Coal Exports to Asia																											
Australia	62.2	62.8	66.2	70.8	78.1	82.5	86.9	89.8	92.6	95.5	98.2	103.6	107.9	112.1	116.3	119.2	122.5	125.5	128.1	129.8	130.0	132.3	134.8	140.3	145.8	3.6%	
United States	8.2	7.5	8.0	8.6	9.2	9.7	10.4	10.8	11.2	11.8	12.2	12.7	13.2	13.8	14.3	14.9	15.5	16.0	16.6	17.2	17.8	18.4	19.1	19.8	20.4	3.9%	
South Africa	16.1	10.2	15.0	14.2	13.1	13.8	14.4	16.8	17.9	19.5	18.7	18.1	18.8	19.6	20.4	21.7	22.6	23.8	25.3	27.8	33.2	36.3	39.3	39.2	39.1	3.8%	
Former U.S.S.R.	3.0	7.2	6.6	6.1	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	2.6%	
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	0.0	N/A	
Canada	4.3	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	2.8	3.6	3.6	3.7	3.8	3.9	3.9	3.8	3.8	3.8	3.8	4.0	4.1	4.3	4.5	4.7	0.4%	
China	25.4	27.1	27.8	28.6	29.3	30.0	30.6	31.3	32.0	32.6	33.3	34.0	34.6	35.3	35.9	36.6	37.3	37.9	38.6	39.2	39.9	40.6	41.2	41.9	42.6	2.2%	
South America	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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/	27.9	36.9	36.4	40.3	41.8	42.9	43.9	45.0	47.4	49.9	52.9	53.7	54.2	54.7	55.2	56.2	57.1	58.1	59.0	60.0	60.8	61.7	62.5	63.3	64.2	3.5%	
Total	147.1	154.7	163.2	171.7	180.2	187.6	195.1	202.5	210.0	217.6	224.4	231.2	238.0	244.8	251.6	258.0	264.3	270.6	276.9	283.3	291.2	298.9	306.7	314.5	322.2	3.3%	
Steam Coal Export to America 5/																											
Australia	0.9	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	1.2	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.8	0.3	0.3	0.3	0.3	0.3	0.3	-5.1%	
United States	7.8	6.5	7.3	8.2	9.2	10.4	11.6	10.8	10.5	10.2	10.1	9.9	9.7	9.6	9.5	9.2	9.3	9.4	9.6	9.7	9.9	10.2	10.5	10.8	11.1	1.5%	
South Africa	4.5	2.5	2.9	3.4	3.9	4.0	4.2	4.4	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.8	5.9	6.1	6.2	6.3	6.7	7.1	7.5	7.9	8.2	2.5%	
Former U.S.S.R.	9.8	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	0.0	N/A	
Poland	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.9	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-8.3%	
China	-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	0.0	N/A	
South America	8.7	10.2	11.3	12.2	13.1	13.6	14.1	14.5	15.0	15.4	15.0	16.5	17.0	17.6	18.1	18.4	18.6	18.6	18.6	19.4	20.2	21.0	21.9	22.7	23.5	4.2%	
Indonesia 4/	11.4	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	0.0	N/A	
Total	44.3	19.8	22.0	24.2	26.6	28.4	30.2	30.0	30.4	30.7	31.3	31.8	32.4	33.0	33.6	33.7	34.2	34.8	35.3	35.8	37.3	38.7	40.2	41.7	43.2	-0.1%	

Table 89. World Steam Coal Flows By Importing Regions and Exporting Countries 1,2/ (Million Short Tons)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Total Steam Coal Exports																											
Australia	69.2	66.8	68.3	75.5	83.0	87.5	91.9	95.3	98.3	101.3	105.2	109.7	114.2	118.6	122.9	125.9	129.3	132.7	135.7	136.9	136.9	136.9	139.5	145.1	150.7	3.3%	
United States	37.5	36.0	38.6	41.2	44.2	47.4	50.9	51.3	52.4	53.6	54.8	56.2	57.6	59.1	60.7	62.4	64.1	65.7	67.5	69.3	71.1	73.0	74.9	76.9	78.9	3.1%	
South Africa	59.9	58.4	64.7	65.1	65.1	65.0	65.0	67.0	69.3	72.3	73.0	73.8	74.5	75.2	76.0	76.0	76.0	76.0	76.3	78.4	84.3	90.1	93.3	93.3	93.3	1.9%	
Former U.S.S.R.	16.9	15.4	14.3	13.2	12.1	12.2	12.3	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.7	13.7	13.7	13.7	13.7	-0.9%	
Poland	12.9	12.8	12.8	12.9	13.0	12.9	12.8	12.8	12.7	12.7	12.7	12.2	11.8	11.4	10.9	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	-0.9%
Canada	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.1	7.2	6.6	7.4	7.5	7.6	7.7	7.8	7.8	7.8	7.8	7.8	7.8	8.0	8.3	8.5	8.7	8.9	1.5%	
China	26.2	27.1	27.8	28.6	29.3	30.0	30.6	31.3	32.0	32.6	33.3	34.0	34.6	35.3	35.9	36.6	37.3	37.9	38.6	39.2	39.9	40.6	41.2	41.9	42.6	2.0%	
South America	30.0	31.4	33.3	35.2	37.2	39.1	41.0	42.9	44.8	46.7	48.9	51.2	53.4	55.6	57.8	59.0	60.2	61.4	62.6	63.8	66.0	68.2	70.4	72.6	74.7	3.9%	
Indonesia 4/	45.6	41.7	43.3	44.9	46.5	47.8	49.0	50.3	51.6	52.8	53.5	54.1	54.7	55.4	56.0	57.1	58.1	59.2	60.3	61.3	62.4	63.4	64.5	65.5	66.6	1.6%	
Total	304.5	296.0	309.7	323.2	337.0	348.8	360.6	370.4	380.8	391.3	401.2	411.1	421.0	430.9	440.9	448.5	456.6	464.7	472.8	480.9	492.8	504.6	516.4	528.1	539.8	2.4%	

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 Africa.

4/ In 1996, steam coal exports from Indonesia include an additional 8.9 million short tons of exports from other countries not modeled for the forecast period.

5/ In 1996, coal exports to America includes a balancing item term used by the International Energy Agency to reconcile discrepancies between reported exports and imports. For 1996, the balancing for steam coal item amounted to 24.4 million short tons. The negative quantities are attributable to the balancing item.

Sources: 1996 data: International Energy Agency, Coal Information 1996, (Paris, France, July 1997); Financial Times Energy Press, International Coal Report, Coal Year 1997 (London, England, June 1997); and Energy Information Administration, Quarterly Coal Report, October-December 1996, DOE/EIA-0121(96/4Q) (Washington, DC, May 1997). Projections: AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 90. World Metallurgical Coal Flows By Importing and Exporting Countries 1,2/ (Million Short Tons)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996- 2020
Metallurgical Coal Exports to Europe 3/																										
Australia	17.7	18.1	18.3	18.5	18.7	19.3	19.9	19.5	19.6	19.6	19.7	19.7	19.7	19.8	19.6	19.4	20.4	20.3	20.2	20.1	20.0	19.5	18.9	18.3	17.7	-0.0%
United States	31.1	26.1	26.2	26.4	26.6	26.5	26.5	26.5	26.4	26.4	26.3	26.1	26.0	25.9	25.7	25.6	25.5	25.4	25.2	25.1	24.9	24.8	24.6	24.4	24.2	-1.0%
South Africa	0.4	1.4	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	1.2	1.1	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	3.5%
Former U.S.S.R.	1.4	0.8	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	-3.8%
Poland	0.9	3.9	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	5.7%
Canada	5.6	6.2	6.2	6.1	6.1	5.6	5.0	5.5	5.4	5.4	5.2	5.1	5.0	4.9	5.0	5.0	3.9	3.9	3.9	3.9	3.9	4.2	4.7	5.1	5.5	-0.0%
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	0.0	N/A
South America	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	0.0	N/A
Indonesia 4/	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	0.0	N/A
Total	59.3	56.5	56.9	57.2	57.6	57.5	57.4	57.3	57.2	57.2	56.9	56.6	56.3	56.0	55.7	55.4	55.1	54.8	54.5	54.2	53.9	53.5	53.1	52.7	52.3	-0.5%
Metallurgical Coal Exports to Asia																										
Australia	61.3	68.4	70.2	72.0	73.9	73.9	73.9	73.9	73.9	73.9	74.2	74.5	74.9	75.2	75.5	75.2	75.0	74.8	74.6	74.3	74.4	74.4	74.4	74.4	74.4	0.8%
United States	8.5	10.0	9.5	9.0	8.6	8.1	7.7	8.2	8.2	8.2	8.3	8.3	8.4	8.5	8.7	8.7	7.6	7.5	7.5	7.4	6.8	6.5	6.3	6.1	6.0	-1.5%
South Africa	3.6	5.4	5.4	5.4	5.3	5.4	5.4	5.4	5.5	5.5	5.6	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.9	5.9	5.9	2.1%
Former U.S.S.R.	3.7	2.4	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	-2.1%
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	0.0	N/A
Canada	23.6	24.1	24.1	24.0	24.0	24.5	25.1	24.6	24.6	24.7	24.8	24.9	25.0	25.1	25.1	24.9	26.0	26.0	25.9	25.9	26.6	26.9	27.1	27.3	27.6	0.7%
China	4.9	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	3.3	-1.6%
South America	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	0.0	N/A
Indonesia 4/	4.1	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	0.0	N/A
Total	110.1	113.6	114.9	116.1	117.3	117.4	117.6	117.6	117.7	117.8	118.3	118.9	119.4	119.9	120.4	120.0	119.9	119.5	119.2	118.9	119.0	119.1	119.2	119.3	119.4	0.3%
Metallurgical Coal Exports to America 5/																										
Australia	6.4	5.6	5.5	5.5	5.5	5.6	5.7	5.8	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	1.1%
United States	13.3	15.3	15.3	15.2	15.2	15.2	15.3	15.5	15.6	15.7	15.8	16.0	16.1	16.3	16.4	16.7	16.8	17.0	17.3	17.5	17.7	18.0	18.2	18.4	18.6	1.4%
South Africa	1.7	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	0.0	N/A
Former U.S.S.R.	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	0.0	N/A
Poland	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	0.0	N/A
Canada	2.6	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-2.3%
China	-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	0.0	N/A
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	0.0	N/A
Indonesia 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	0.0	0.0	N/A
Total	29.1	22.2	22.2	22.2	22.2	22.4	22.5	22.8	23.0	23.2	23.4	23.7	24.0	24.3	24.5	24.9	25.3	25.7	26.1	26.5	26.9	27.3	27.7	28.0	28.4	-0.1%

Table 90. World Metallurgical Coal Flows By Importing and Exporting Countries 1,2/ (Million Short Tons)																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-
Total Metallurgical Coal Exports																										
Australia	85.4	92.0	94.1	96.1	98.1	98.8	99.5	99.2	99.4	99.6	100.0	100.5	100.9	101.4	101.7	101.4	102.4	102.2	102.1	101.9	102.0	101.6	101.2	100.8	100.4	0.7%
United States	53.0	51.4	51.0	50.7	50.3	49.9	49.6	50.1	50.2	50.3	50.4	50.5	50.5	50.6	50.9	51.0	49.9	49.9	50.0	50.0	49.4	49.2	49.1	48.9	48.8	-0.3%
South Africa	5.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	0.8%
Former U.S.S.R.	5.3	3.2	3.1	3.1	3.0	3.0	3.0	2.9	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	-2.7%
Poland	3.9	3.9	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	3.6	3.5	3.5	3.5	3.5	3.4	3.4	-0.5%
Canada	31.9	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.4	31.4	31.4	31.3	32.0	32.6	33.3	34.0	34.6	0.3%
China	4.7	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	3.3	-1.5%
South America	2.3	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	0.0	N/A
Indonesia 4/	6.3	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	0.0	N/A
Total	198.5	192.3	193.9	195.5	197.1	197.3	197.6	197.8	197.9	198.1	198.6	199.1	199.6	200.1	200.6	200.4	200.2	200.0	199.8	199.6	199.8	199.9	200.0	200.0	200.1	0.0%

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 Africa.

4/ In 1996, metallurgical coal exports from Indonesia include an additional 3.2 million short tons of exports from other countries not modeled for the forecast period.

5/ In 1996, coal exports to America includes a balancing item term used by the International Energy Agency to reconcile discrepancies between reported exports and imports. For 1995, the balancing item for metallurgical coal amounted to 5.6 million short tons. The negative quantities are attributable to the balancing item.

Sources: 1996 data: International Energy Agency, Coal Information 1996, (Paris, France, July 1997); Financial Times Energy Press, International Coal Report, Coal Year 1997 (London, England, June 1997); and Energy Information Administration, Quarterly Coal Report, October-December 1996, DOE/EIA-0121(96/4Q) (Washington, DC, May 1997).

Projections: AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 91. World Total Coal Flows By Importing and Exporting Countries 1,2/ (Million Short Tons)																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Total Coal Exports to Europe 3/																											
Australia	23.9	21.7	20.2	23.0	23.3	24.1	24.7	24.7	25.0	25.2	25.4	25.6	25.8	26.0	26.0	25.9	27.0	27.0	27.0	26.9	26.7	23.8	23.3	22.8	22.3	-0.3%	
United States	52.6	48.0	49.4	50.8	52.4	53.8	55.4	56.2	57.1	58.0	58.8	59.7	60.7	61.7	62.7	63.9	64.8	65.7	66.6	67.5	68.3	69.0	69.9	70.7	71.6	1.3%	
South Africa	39.7	47.2	48.2	49.0	49.6	48.7	47.8	47.3	48.3	49.4	50.8	51.9	51.7	51.4	51.1	49.6	48.6	47.2	45.9	45.3	45.4	47.7	47.4	47.2	46.9	0.7%	
Former U.S.S.R.	5.5	9.1	8.5	8.0	7.4	7.5	7.6	7.7	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.4	8.5	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	1.9%
Poland	13.1	16.7	16.7	16.8	16.8	16.7	16.7	16.6	16.5	16.4	16.0	15.5	15.0	14.6	14.1	14.1	14.1	14.0	14.0	14.0	14.0	14.0	13.9	13.9	13.9	0.2%	
Canada	6.7	9.3	9.4	9.5	9.5	9.0	8.5	9.0	9.0	9.0	8.9	8.9	8.8	8.7	8.8	8.9	7.8	7.8	7.8	7.9	7.9	8.2	8.7	9.2	9.6	1.5%	
China	1.3	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	0.0	N/A	
South America	22.9	21.2	22.0	23.0	24.0	25.5	26.9	28.4	29.8	31.3	33.9	34.6	36.3	38.0	39.6	40.6	41.6	42.8	44.0	44.4	45.8	47.2	48.5	49.9	51.3	3.4%	
Indonesia 4/	6.6	4.8	6.9	4.6	4.8	4.9	5.1	5.3	4.2	2.9	0.6	0.4	0.5	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.6	1.8	2.0	2.2	2.4	-4.1%	
Total	172.4	178.0	181.4	184.5	187.9	190.3	192.7	195.2	197.6	200.1	202.3	204.6	206.9	209.1	211.4	212.3	213.2	214.2	215.1	216.1	218.2	220.4	222.5	224.7	226.8	1.1%	
Total Coal Exports to Asia																											
Australia	123.5	131.2	136.4	142.9	152.0	156.4	160.8	163.7	166.5	169.4	172.5	178.1	182.7	187.3	191.8	194.4	197.5	200.2	202.7	204.2	204.3	206.7	209.2	214.7	220.2	2.4%	
United States	16.8	17.5	17.6	17.6	17.7	17.9	18.1	18.9	19.4	20.0	20.5	21.0	21.6	22.2	23.0	23.6	23.1	23.5	24.0	24.6	24.6	25.0	25.4	25.9	26.4	1.9%	
South Africa	19.7	15.6	20.4	19.5	18.4	19.2	19.8	22.2	23.4	25.0	24.2	23.7	24.4	25.2	26.1	27.4	28.3	29.5	31.1	33.6	39.0	42.2	45.2	45.1	45.0	3.5%	
Former U.S.S.R.	6.7	9.5	8.9	8.3	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	0.6%	
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	0.0	N/A	
Canada	27.9	27.2	27.2	27.2	27.2	27.8	28.4	28.0	28.1	27.4	28.4	28.6	28.7	28.9	28.9	28.8	29.9	29.8	29.7	29.6	30.5	31.0	31.5	31.9	32.3	0.6%	
China	30.2	30.4	31.1	31.9	32.6	33.3	34.0	34.6	35.3	35.9	36.6	37.3	37.9	38.6	39.2	39.9	40.6	41.2	41.9	42.6	43.2	43.9	44.5	45.2	45.9	1.8%	
South America	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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/	32.0	36.9	36.4	40.3	41.8	42.9	43.9	45.0	47.4	49.9	52.9	53.7	54.2	54.7	55.2	56.2	57.1	58.1	59.0	60.0	60.8	61.7	62.5	63.3	64.2	2.9%	
Total	257.2	268.3	278.1	287.8	297.5	305.1	312.7	320.2	327.8	335.4	342.7	350.0	357.4	364.7	372.0	378.0	384.2	390.1	396.2	402.2	410.2	418.1	426.0	433.8	441.6	2.3%	
Total Coal Exports to America 5/																											
Australia	7.3	6.0	5.8	5.8	5.8	5.9	6.0	6.1	6.1	6.2	7.3	6.5	6.6	6.7	6.9	7.0	7.2	7.7	8.1	7.7	7.9	8.1	8.2	8.4	8.6	0.7%	
United States	21.1	21.9	22.6	23.4	24.4	25.6	27.0	26.3	26.1	25.9	25.9	25.9	25.8	25.9	25.9	25.9	26.1	26.5	26.8	27.2	27.7	28.2	28.7	29.2	29.7	1.4%	
South Africa	6.2	2.5	2.9	3.4	3.9	4.0	4.2	4.4	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.8	5.9	6.1	6.2	6.3	6.7	7.1	7.5	7.9	8.2	1.2%	
Former U.S.S.R.	9.9	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	0.0	N/A	
Poland	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	0.0	N/A	
Canada	3.5	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	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	-3.2%	
China	-0.6	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	0.0	N/A	
South America	8.9	10.2	11.3	12.2	13.1	13.6	14.1	14.5	15.0	15.4	15.0	16.5	17.0	17.6	18.1	18.4	18.6	18.6	18.6	19.4	20.2	21.0	21.9	22.7	23.5	4.1%	
Indonesia 4/	13.3	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	0.0	N/A	
Total	73.4	42.0	44.2	46.4	48.8	50.7	52.8	52.8	53.4	53.9	54.7	55.6	56.4	57.3	58.1	58.7	59.5	60.4	61.4	62.3	64.1	66.0	67.9	69.7	71.6	-0.1%	

Table 91. World Total Coal Flows By Importing and Exporting Countries 1,2/ (Million Short Tons)																										
	1996	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
Total Coal Exports																										
Australia	154.7	158.8	162.4	171.7	181.1	186.4	191.4	194.5	197.6	200.8	205.2	210.2	215.1	220.0	224.6	227.3	231.7	234.9	237.8	238.8	238.9	238.6	240.7	245.9	251.1	2.0%
United States	90.5	87.4	89.6	91.8	94.4	97.3	100.4	101.4	102.6	103.9	105.2	106.6	108.2	109.8	111.6	113.4	114.0	115.7	117.4	119.2	120.5	122.2	124.0	125.8	127.7	1.4%
South Africa	65.6	65.2	71.5	71.9	71.9	71.9	71.8	73.9	76.2	79.2	79.9	80.6	81.3	82.1	82.8	82.8	82.8	82.8	83.1	85.2	91.1	97.0	100.1	100.1	100.1	1.8%
Former U.S.S.R.	22.2	18.6	17.5	16.3	15.2	15.2	15.3	15.4	15.5	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.2	16.3	16.4	16.4	16.4	16.4	16.4	16.4	-1.2%
Poland	16.8	16.7	16.7	16.8	16.8	16.7	16.7	16.6	16.5	16.4	16.0	15.5	15.0	14.6	14.1	14.1	14.1	14.0	14.0	14.0	14.0	14.0	13.9	13.9	13.9	-0.8%
Canada	38.1	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.1	38.9	39.0	39.1	39.2	39.4	39.3	39.3	39.2	39.2	39.1	40.0	40.9	41.8	42.7	43.5	0.6%
China	31.0	30.4	31.1	31.9	32.6	33.3	34.0	34.6	35.3	35.9	36.6	37.3	37.9	38.6	39.2	39.9	40.6	41.2	41.9	42.6	43.2	43.9	44.5	45.2	45.9	1.6%
South America	32.3	31.4	33.3	35.2	37.2	39.1	41.0	42.9	44.8	46.7	48.9	51.2	53.4	55.6	57.8	59.0	60.2	61.4	62.6	63.8	66.0	68.2	70.4	72.6	74.7	3.6%
Indonesia 4/	51.9	41.7	43.3	44.9	46.5	47.8	49.0	50.3	51.6	52.8	53.5	54.1	54.7	55.4	56.0	57.1	58.1	59.2	60.3	61.3	62.4	63.4	64.5	65.5	66.6	1.0%
Total	503.0	488.3	503.6	518.7	534.1	546.1	558.2	568.2	578.8	589.4	599.8	610.2	620.6	631.1	641.5	648.9	656.9	664.8	672.6	680.6	692.6	704.5	716.4	728.2	740.0	1.6%

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 Africa.

4/ In 1996, exports from Indonesia include an additional 12.1 million short tons of exports from other countries not modeled for the forecast period.

5/ In 1996, coal exports to America includes a balancing item term used by the International Energy Agency to reconcile discrepancies between reported exports and imports. For 1995, the balancing item amounted to 30.0 million short tons. The negative quantities are attributable to the balancing item.

Sources: 1996 data: International Energy Agency, Coal Information 1996, (Paris, France, July 1997); Financial Times Energy Press, International Coal Report, Coal Year 1997 (London, England, June 1997); and Energy Information Administration, Quarterly Coal Report, October-December 1996, DOE/EIA-0121(96/4Q) (Washington, DC, May 1997).

Projections: AEO98 National Energy Modeling System run AEO98B.D100197A.

Table 92. Indicators of Macroeconomic Activity																										
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020
Real Output, National (billion 1987 dollars)																										
Total Industrial	3804.5	3955.3	4006.7	4069.9	4159.3	4258.7	4354.8	4449.7	4571.2	4697.7	4827.4	4949.7	5067.7	5178.1	5287.3	5389.2	5476.8	5548.8	5602.8	5665.0	5729.3	5808.1	5876.2	5956.9	6018.8	1.9%
Total Manufacturing	3030.2	3160.6	3194.3	3245.1	3324.4	3409.7	3494.0	3580.6	3690.0	3800.6	3914.0	4021.4	4124.4	4222.0	4318.4	4408.4	4484.2	4545.4	4591.6	4646.3	4702.1	4770.2	4829.2	4901.1	4957.3	2.1%
Coal Mining	29.2	29.8	30.8	31.2	31.8	32.5	32.7	32.9	33.2	33.6	34.0	34.4	34.7	34.8	35.0	35.4	35.6	35.8	36.2	36.5	36.8	37.0	37.4	37.6	37.7	1.1%
Oil and Gas Extraction	79.6	79.0	79.5	81.9	81.2	81.6	82.1	83.0	83.7	84.6	85.2	86.4	87.6	88.5	89.4	89.8	90.5	91.1	91.0	91.3	91.4	92.3	92.4	92.8	92.9	0.6%
Refining	136.0	138.0	139.0	142.9	144.9	146.7	150.0	151.5	154.2	155.8	157.1	158.5	159.3	158.7	160.1	161.1	160.0	162.4	163.2	163.6	164.8	164.8	165.0	165.1	166.2	0.8%
Paper	119.8	124.7	126.4	129.0	131.3	133.7	136.3	138.3	140.6	143.1	145.3	147.5	149.6	151.6	153.5	155.1	156.5	157.5	158.2	159.0	159.6	160.4	160.9	161.6	162.1	1.3%
Chemicals	274.1	285.8	281.9	284.6	289.6	295.4	300.5	304.0	308.8	313.7	318.9	323.7	328.2	332.7	336.8	340.5	343.6	345.4	346.6	348.0	349.2	350.8	352.1	353.6	354.3	1.1%
Stone, Clay, and Glass	64.3	66.0	66.2	65.8	66.3	67.4	68.2	68.6	69.5	70.6	71.7	72.5	73.4	74.0	74.7	75.2	75.8	76.0	75.8	75.5	75.5	75.7	75.6	75.6	75.1	0.7%
Primary Metals	143.3	150.7	148.3	149.5	149.6	151.6	154.3	154.2	155.2	156.1	157.5	158.2	159.7	160.7	161.5	162.2	162.7	162.2	161.2	160.7	160.4	160.8	160.6	160.9	160.5	0.5%
Basic Steel	67.6	71.0	70.5	70.7	69.8	70.6	72.6	72.1	72.2	72.3	72.9	72.7	73.4	73.8	74.0	74.3	74.6	74.4	74.0	73.8	73.8	74.1	74.1	74.2	74.1	0.4%
Primary Aluminum	27.3	28.5	28.2	28.4	28.8	29.2	29.6	29.8	30.0	30.2	30.3	30.5	30.6	30.8	31.0	31.1	31.2	31.1	30.9	30.8	30.7	30.7	30.6	30.6	30.5	0.5%
Fabricated Metals	172.5	179.6	180.0	181.7	185.1	189.0	192.3	195.3	199.2	203.5	207.9	211.4	215.1	218.3	221.4	224.1	226.6	228.0	228.6	229.5	230.5	232.3	233.5	235.0	235.7	1.3%
Industrial Machinery	313.3	331.5	341.2	350.5	363.5	379.0	394.8	408.0	422.5	439.0	454.6	468.9	482.6	496.1	509.5	523.2	535.6	547.9	558.0	571.4	584.0	599.6	613.7	632.6	650.1	3.1%
Electrical Machinery	298.7	322.9	333.2	348.1	370.2	392.4	414.4	444.8	481.9	523.4	568.1	612.2	650.6	689.9	729.4	767.6	798.3	822.3	842.6	867.1	893.5	925.3	953.6	989.2	1017.6	5.2%
Transportation Equipment	397.2	417.1	419.7	423.5	436.0	444.8	452.3	469.2	488.9	500.7	511.7	522.3	535.8	547.5	558.4	567.2	576.7	583.0	587.0	591.3	595.1	600.4	604.9	608.5	610.8	1.8%
Real Disposable Income by Census Division (billion 1992 dollars)																										
New England	303	310	318	325	330	335	341	347	353	360	367	374	381	387	394	401	407	414	420	426	432	438	443	449	454	1.7%
Middle Atlantic	836	854	874	889	899	911	926	939	954	971	988	1005	1023	1039	1056	1071	1086	1102	1118	1133	1146	1161	1175	1190	1204	1.5%
East North Central	835	855	877	893	905	919	934	947	964	982	1000	1018	1035	1052	1069	1085	1100	1117	1132	1146	1159	1174	1187	1201	1215	1.6%
West North Central	332	342	353	361	367	374	380	387	395	403	411	420	429	437	446	453	461	469	476	483	490	497	504	511	519	1.9%
South Atlantic	887	910	941	967	986	1009	1031	1054	1081	1109	1138	1168	1198	1229	1260	1289	1320	1353	1385	1416	1447	1479	1510	1543	1576	2.4%
East South Central	258	264	272	277	282	287	291	296	302	308	315	321	328	334	341	347	353	360	367	373	378	385	391	397	404	1.9%
West South Central	494	511	529	543	555	567	580	593	608	623	640	656	672	689	706	722	738	755	771	787	803	820	836	853	870	2.4%
Mountain	275	284	295	303	309	317	321	329	337	347	356	365	375	385	394	404	413	423	433	442	451	461	470	480	489	2.4%
Pacific	857	885	917	943	963	984	1006	1027	1052	1079	1106	1134	1162	1190	1218	1244	1271	1299	1326	1353	1378	1405	1431	1459	1486	2.3%
United States	5077	5215	5376	5502	5595	5702	5809	5919	6047	6182	6321	6461	6603	6742	6884	7016	7150	7290	7430	7560	7685	7819	7948	8083	8217	2.0%

Table 92. Indicators of Macroeconomic Activity																											
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1996-2020	
Non-Agricultural Employment by																											
Census Division (millions)																											
New England	6.4	6.6	6.7	6.8	6.8	6.9	6.9	7.0	7.1	7.1	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	0.7%
Middle Atlantic	16.9	17.3	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	0.5%
East North Central	20.7	21.3	21.5	21.7	21.9	22.0	22.2	22.3	22.5	22.7	22.9	23.1	23.3	23.5	23.6	23.7	23.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	0.6%
West North Central	9.1	9.4	9.5	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.5	10.6	10.7	10.8	10.9	10.9	11.0	11.0	11.0	11.0	11.1	11.1	11.1	11.2	0.9%	
South Atlantic	22.0	22.7	23.2	23.5	23.8	24.1	24.5	24.8	25.2	25.6	26.0	26.4	26.8	27.2	27.6	27.9	28.3	28.6	28.9	29.2	29.4	29.7	30.0	30.3	30.6	1.4%	
East South Central	7.1	7.3	7.4	7.5	7.5	7.6	7.6	7.7	7.8	7.8	7.9	8.0	8.1	8.1	8.2	8.3	8.3	8.3	8.4	8.4	8.4	8.4	8.5	8.5	8.5	0.7%	
West South Central	12.5	12.9	13.2	13.4	13.5	13.7	13.9	14.1	14.3	14.5	14.7	15.0	15.2	15.4	15.6	15.8	15.9	16.1	16.2	16.4	16.5	16.6	16.8	16.9	17.0	1.3%	
Mountain	7.4	7.7	7.9	8.1	8.2	8.4	8.5	8.7	8.8	9.0	9.2	9.4	9.6	9.7	9.9	10.1	10.3	10.5	10.6	10.8	10.9	11.1	11.2	11.4	11.5	1.9%	
Pacific	17.5	18.1	18.5	18.7	19.0	19.3	19.5	19.8	20.0	20.4	20.7	21.0	21.4	21.7	21.9	22.2	22.5	22.7	22.9	23.0	23.2	23.4	23.6	23.8	24.0	1.3%	
United States	119.5	123.1	125.3	126.8	128.1	129.6	131.0	132.3	133.8	135.5	137.4	139.1	140.8	142.4	143.9	145.3	146.5	147.5	148.4	149.2	150.0	150.9	151.7	152.6	153.4	1.0%	

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

Sources: 1995: Data Resources Incorporated (DRI), DRI Trend0897. Projections: Energy Information Administration, AEO98 Modeling System run AEO98B.D100197A.

Table 93. Imported Petroleum by Source (Million Barrels Per Day)																										1996-	
		1996	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
Heavy Refined Products 2/																											
Canada	0.06	0.06	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	-0.8%
Northern Europe	0.05	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-2.1%
Southern Europe	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	0.02	0.02	0.02	0.02	0.02	0.02	-1.7%
OPEC	0.51	0.44	0.39	0.32	0.25	0.28	0.29	0.30	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	0.44	0.45	0.46	0.47	-0.3%	
Latin America	0.18	0.17	0.14	0.11	0.09	0.10	0.11	0.11	0.12	0.13	0.14	0.14	0.15	0.24	0.21	0.21	0.23	0.19	0.20	0.20	0.18	0.21	0.21	0.21	0.23	1.0%	
North Africa	0.21	0.16	0.15	0.11	0.08	0.09	0.07	0.06	0.05	0.04	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	-9.3%	
West Africa	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-2.8%	
Indonesia	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	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	
Persian Gulf	0.09	0.08	0.07	0.07	0.05	0.08	0.09	0.08	0.08	0.11	0.13	0.13	0.15	0.20	0.24	0.24	0.26	0.27	0.30	0.30	0.27	0.30	0.30	0.30	0.31	5.3%	
Caribbean Basin	0.23	0.20	0.16	0.13	0.10	0.10	0.10	0.10	0.09	0.10	0.13	0.13	0.14	0.27	0.22	0.22	0.22	0.22	0.23	0.23	0.21	0.27	0.28	0.29	0.32	1.4%	
Asian Exporters	0.03	0.04	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A	
Other	0.03	0.04	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A	

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, AEO98 National Energy Modeling System run AEO98B.D100197A.