

**Table 59. Electric Power Projections for EMM Region (1 of 3)
East Central Area Reliability Coordination Agreement**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Supply and Demand																							
Electricity Generating Capability 1/ (gigawatts)																							
Coal Steam	84.09	84.09	84.09	84.09	82.89	82.08	81.52	81.43	81.43	80.78	80.78	80.78	80.78	80.78	80.78	80.78	80.78	80.78	80.78	80.78	80.78	80.78	-0.2%
Other Fossil Steam 2/	4.04	4.04	4.18	4.18	4.18	4.18	4.16	4.16	4.16	4.16	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	0.0%
Combined Cycle	0.40	0.40	0.40	0.40	0.40	2.15	4.25	7.40	9.60	12.03	13.53	14.13	15.27	16.63	17.31	18.17	19.02	19.84	21.37	23.40	24.70	25.94	22.0%
Combustion Turbine/Diesel	8.73	9.24	10.62	12.50	13.29	13.66	17.59	18.45	21.99	22.17	22.94	23.11	23.34	23.54	23.86	24.15	24.83	26.18	26.73	28.53	29.21	30.61	6.2%
Nuclear Power	7.65	7.65	7.65	7.65	7.65	7.65	7.65	7.65	6.89	6.89	6.89	6.89	6.89	6.89	6.89	5.89	5.89	5.08	3.09	3.09	3.09	3.09	-4.2%
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	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	N/A
Renewable Sources 4/	1.58	1.58	1.58	1.58	1.63	1.63	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	0.3%
Total Capability	109.77	110.27	111.80	113.68	113.31	114.62	120.11	124.03	129.02	130.99	133.16	133.94	135.30	136.86	137.86	138.01	139.54	140.93	141.03	144.90	146.91	149.55	1.5%
Cumulative Planned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Cumulative 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	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	1.75	3.85	7.00	9.20	11.63	13.13	13.73	14.87	16.23	16.91	17.77	18.62	19.44	20.97	23.00	24.30	25.54	N/A
Combustion Turbine/Diesel	0.00	0.51	1.89	3.87	5.12	5.72	9.74	10.60	14.17	14.38	15.15	15.32	15.55	15.75	16.06	16.35	17.03	18.38	18.94	20.74	21.41	22.81	N/A
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	N/A
Total Unplanned Additions	0.00	0.51	1.89	3.87	5.12	7.47	13.63	17.64	23.41	26.06	28.32	29.09	30.46	32.02	33.02	34.17	35.70	37.90	39.99	43.86	45.87	48.51	N/A
Cumulative Total Additions	0.00	0.51	1.89	3.87	5.12	7.47	13.63	17.64	23.41	26.06	28.32	29.09	30.46	32.02	33.02	34.17	35.70	37.90	39.99	43.86	45.87	48.51	N/A
Cumulative Retirements	0.00	0.00	0.05	0.15	2.30	3.84	4.50	4.59	5.38	6.06	6.14	6.14	6.14	6.14	6.14	7.14	7.14	7.95	9.94	9.94	9.94	9.94	N/A
Cogenerators 6/ Capability																							
Coal	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	0.0%
Petroleum	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.0%
Natural Gas	2.84	2.85	3.57	3.58	3.65	3.72	3.78	3.83	3.88	3.92	3.97	4.01	4.05	4.09	4.13	4.17	4.22	4.27	4.32	4.38	4.42	4.47	2.2%
Other Gaseous Fuels	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	7.2%
Renewable Sources 4/	0.11	0.11	0.11	0.11	0.12	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	0.16	0.17	0.17	2.1%
Other	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	0.00	0.01	0.01	0.01	-10.0%
Total	4.66	4.68	5.37	5.39	5.46	5.53	5.59	5.65	5.71	5.75	5.80	5.85	5.89	5.94	5.98	6.03	6.08	6.13	6.19	6.24	6.29	6.35	1.5%

**Table 59. Electric Power Projections for EMM Region (2 of 3)
East Central Area Reliability Coordination Agreement**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Electricity Demand (billion kilowatthours)																								
Residential	153.52	154.94	159.97	164.25	167.75	172.06	176.64	178.82	182.34	185.79	189.58	193.32	195.85	199.01	201.99	204.69	207.53	210.24	213.02	215.72	218.77	221.63	1.8%	
Commercial/Other	139.29	142.64	147.73	151.89	155.08	158.39	162.29	165.92	169.69	173.27	176.80	179.96	183.01	186.15	189.01	191.60	194.00	196.20	198.22	200.08	201.99	203.51	1.8%	
Industrial	213.90	216.80	217.75	221.27	223.49	224.64	227.65	231.26	234.28	237.10	239.48	242.54	244.88	247.39	250.64	254.13	257.91	261.39	264.93	268.30	272.33	276.83	1.2%	
Transportation	2.30	2.33	2.38	2.44	2.75	3.04	3.31	3.56	3.77	3.98	4.19	4.39	4.59	4.78	4.97	5.15	5.23	5.17	5.10	5.01	4.92	4.81	3.6%	
Total Sales	509.01	516.71	527.83	539.86	549.07	558.13	569.89	579.55	590.08	600.14	610.04	620.22	628.33	637.34	646.62	655.57	664.67	672.99	681.27	689.12	698.00	706.78	1.6%	
Net Energy for Load (billion kilowatthours) 7/																								
Gross International Imports	5.00	4.23	1.26	7.46	9.85	11.70	12.18	12.93	11.57	5.61	3.57	0.35	0.48	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	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.4%
Gross Interregional Electricity Imports	15.06	6.29	5.92	5.75	5.66	5.62	5.60	5.60	5.60	5.60	5.60	5.04	4.58	4.29	4.15	4.51	4.19	4.19	3.65	2.89	2.80	2.74	-7.8%	
Gross Interregional Electricity Exports	51.73	53.89	58.04	66.74	68.73	74.98	73.89	73.62	75.40	73.74	70.46	70.45	71.04	72.30	73.32	73.87	75.14	75.55	78.70	80.23	80.40	84.69	2.4%	
Purchases from Cogenerators 6/	13.12	13.53	14.47	15.15	15.35	15.22	14.81	14.62	14.41	14.61	14.69	14.86	15.08	15.21	15.37	15.62	15.76	15.97	16.16	16.30	16.55	16.68	1.1%	
Utility Generation for Customers	562.86	582.04	600.06	614.33	622.70	636.38	647.38	656.41	670.52	685.00	693.84	707.92	716.72	727.71	738.65	747.64	758.22	767.22	779.40	789.82	799.22	812.67	1.8%	
Total Net Energy for Load	544.27	552.15	563.63	575.91	584.79	593.91	606.04	615.90	626.67	637.03	647.20	657.66	665.78	674.86	684.82	693.86	702.98	711.78	720.47	728.74	738.13	747.35	1.5%	
Generation by Fuel Type (billion kilowatthours)																								
Coal	486.07	503.58	519.02	527.22	533.01	534.66	532.87	526.21	530.17	530.62	525.87	531.57	534.02	535.48	540.20	543.33	550.52	551.05	560.57	564.69	568.86	575.14	0.8%	
Petroleum	1.25	1.05	0.85	0.70	0.81	0.71	0.55	0.47	0.45	0.46	0.45	0.46	0.46	0.46	0.46	0.32	0.58	0.58	0.60	0.61	0.62	0.49	-4.3%	
Natural Gas	17.25	18.13	21.39	26.61	29.69	41.30	53.46	68.57	82.20	97.93	111.45	119.68	126.39	136.55	142.20	147.85	157.64	166.11	176.99	195.87	201.23	208.84	12.6%	
Nuclear	53.60	54.45	53.63	53.79	53.95	54.11	54.27	54.43	50.89	49.18	49.34	49.50	49.66	49.82	49.97	50.13	43.42	43.58	35.57	23.17	23.17	23.17	-3.9%	
Pumped Storage/Other 3/	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	N/A	
Renewable Sources 4/	5.62	5.77	6.11	6.96	6.21	6.57	7.20	7.69	7.78	7.77	7.70	7.68	7.16	6.37	6.78	6.98	7.03	6.85	6.63	6.41	6.26	5.94	0.3%	
Total Generation	563.78	582.96	600.99	615.28	623.66	637.34	648.34	657.37	671.48	685.96	694.80	708.87	717.68	728.67	739.61	748.60	759.18	768.17	780.36	790.77	800.18	813.63	1.8%	
Sales to Customers	562.86	582.04	600.06	614.33	622.70	636.38	647.38	656.41	670.52	685.00	693.84	707.92	716.72	727.71	738.65	747.64	758.22	767.22	779.40	789.82	799.22	812.67	1.8%	
Generation for Own Use	0.92	0.93	0.94	0.95	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	0.2%	
Cogenerators																								
Coal	7.58	8.03	8.19	8.33	8.58	8.76	8.94	8.94	8.93	8.92	8.92	8.92	8.92	8.89	8.91	8.88	8.88	8.88	8.88	8.88	8.88	8.88	0.8%	
Petroleum	0.41	0.41	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.45	0.45	0.45	0.45	0.45	0.46	0.46	0.46	0.5%	
Natural Gas	15.14	15.20	16.49	17.45	17.63	17.56	17.15	17.12	17.02	17.30	17.47	17.70	17.98	18.16	18.40	18.68	18.92	19.22	19.48	19.71	20.01	20.19	1.4%	
Other Gaseous Fuels	0.24	0.24	0.35	0.35	0.36	0.36	0.37	0.38	0.38	0.38	0.40	0.40	0.41	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.46	0.47	3.3%	
Renewable Sources 4/	1.63	1.63	1.63	1.63	1.69	1.74	1.79	1.86	1.92	1.98	2.03	2.09	2.13	2.18	2.23	2.28	2.33	2.38	2.42	2.46	2.50	2.55	2.1%	
Other	0.42	0.42	0.44	0.44	0.44	0.44	0.44	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.3%	
Total	25.42	25.92	27.54	28.64	29.14	29.30	29.14	29.17	29.14	29.47	29.71	30.00	30.33	30.56	30.83	31.19	31.47	31.82	32.14	32.42	32.77	33.01	1.3%	
Sales to Utilities	13.12	13.53	14.47	15.15	15.35	15.22	14.81	14.62	14.41	14.61	14.69	14.86	15.08	15.21	15.37	15.62	15.76	15.97	16.16	16.30	16.55	16.68	1.1%	
Generation for Own Use	12.29	12.40	13.07	13.48	13.79	14.08	14.33	14.55	14.72	14.86	15.01	15.14	15.25	15.35	15.46	15.57	15.71	15.85	15.98	16.12	16.22	16.33	1.4%	
End-Use Prices (1999 cents per kilowatthour)																								
Residential	7.6	7.2	7.1	6.9	6.8	6.6	6.3	6.8	6.6	6.6	6.5	6.5	6.5	6.4	6.4	6.5	6.5	6.5	6.6	6.5	6.5	6.5	-0.7%	
Commercial	7.1	7.2	7.1	6.9	7.0	6.8	6.5	6.3	6.0	5.9	5.7	5.7	5.6	5.6	5.6	5.6	5.7	5.7	5.8	5.7	5.7	5.7	-1.0%	
Industrial	4.3	4.5	4.5	4.4	4.5	4.4	4.2	4.0	3.9	3.8	3.7	3.7	3.7	3.6	3.7	3.7	3.8	3.8	3.9	3.8	3.8	3.9	-0.5%	
Transportation	5.0	5.0	4.9	4.7	4.6	4.5	4.5	4.3	4.1	4.1	4.0	4.0	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.7	-1.4%	
All Sectors Average	6.1	6.1	6.0	5.9	5.9	5.8	5.5	5.5	5.3	5.3	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.2	5.3	5.2	5.2	5.2	-0.7%	

**Table 59. Electric Power Projections for EMM Region (3 of 3)
East Central Area Reliability Coordination Agreement**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Prices by Service Category (1999 cents per kilowatthour)																							
Generation	3.9	3.9	3.9	3.7	3.8	3.7	3.4	3.4	3.2	3.1	3.0	3.0	3.0	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.2	-1.0%
Transmission	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.2%
Distribution	1.6	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	-0.4%
Fuel Consumption (quadrillion Btu) 8/																							
Coal	4.91	5.11	5.28	5.35	5.39	5.40	5.37	5.31	5.35	5.36	5.31	5.37	5.39	5.41	5.46	5.49	5.57	5.58	5.68	5.72	5.77	5.84	0.8%
Natural Gas	0.20	0.21	0.25	0.31	0.34	0.42	0.49	0.58	0.68	0.79	0.88	0.96	1.00	1.07	1.11	1.15	1.23	1.28	1.36	1.48	1.51	1.56	10.1%
Oil	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-4.9%
Total	5.13	5.34	5.54	5.66	5.74	5.83	5.87	5.90	6.03	6.15	6.20	6.33	6.40	6.48	6.57	6.64	6.80	6.86	7.04	7.21	7.28	7.40	1.8%
Emissions (million short tons) 9/																							
Total Carbon	140.78	147.07	152.28	155.23	157.02	158.52	158.91	158.35	160.99	162.94	163.02	165.93	167.37	168.86	171.02	172.54	176.06	177.19	181.29	184.50	186.32	189.08	1.4%
Carbon Dioxide	516.19	539.26	558.34	569.17	575.74	581.25	582.68	580.63	590.30	597.46	597.74	608.39	613.70	619.16	627.07	632.65	645.54	649.70	664.73	676.49	683.16	693.30	1.4%
Sulfur Dioxide	3.98	3.60	3.56	3.56	3.35	3.09	2.95	2.67	2.64	2.55	2.52	2.49	2.45	2.44	2.45	2.43	2.44	2.37	2.38	2.40	2.40	2.40	-2.4%
Nitrogen Oxide	1.49	1.26	1.29	1.31	1.04	0.97	0.97	0.96	0.97	0.98	0.97	0.98	0.99	0.99	1.00	1.00	1.02	1.02	1.04	1.05	1.05	1.06	-1.6%

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860B, "Annual Electric Generator Report - Nonutility." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

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

3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

5/ Cumulative additions after December 31, 1999.

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

7/ Generation to meet system load by source.

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

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

O&M = Operation and maintenance.

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1999 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Other 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

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

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Generating Capability 1/ (gigawatts)																							
Coal Steam	14.84	14.84	14.84	14.84	14.84	14.84	15.51	17.16	17.88	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	0.9%
Other Fossil Steam 2/	29.52	29.32	29.27	29.20	28.91	28.66	28.13	27.20	25.76	24.64	24.57	24.57	24.32	24.08	23.98	23.98	23.82	23.82	23.82	23.82	23.81	23.59	-1.1%
Combined Cycle	1.03	1.54	1.54	1.50	1.50	1.50	2.66	3.85	5.71	8.51	10.52	12.41	14.00	15.00	16.44	17.62	18.13	19.01	19.74	20.35	21.19	22.03	15.7%
Combustion Turbine/Diesel	5.04	6.27	7.50	8.40	9.08	9.82	11.20	12.05	13.40	14.39	14.90	14.94	14.99	15.11	15.22	15.27	15.41	15.51	15.51	15.76	16.09	16.35	5.8%
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	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	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	N/A
Renewable Sources 4/	0.76	0.81	1.21	1.43	1.63	1.86	2.05	2.25	2.44	2.64	2.83	2.85	2.88	2.90	2.92	2.94	2.97	2.99	3.01	3.03	3.06	3.08	6.9%
Total Capability	55.99	57.58	59.17	60.17	60.81	61.60	64.73	67.96	70.92	74.24	77.15	79.14	80.59	81.57	83.14	84.48	85.08	86.16	86.98	88.09	89.38	90.51	2.3%
Cumulative Planned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Combined Cycle	0.00	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
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	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	N/A
Renewable Sources 4/	0.00	0.06	0.46	0.67	0.87	1.06	1.26	1.45	1.64	1.84	2.03	2.05	2.07	2.09	2.11	2.13	2.15	2.17	2.18	2.20	2.22	2.24	N/A
Total Planned Additions	0.00	0.56	0.96	1.18	1.37	1.57	1.76	1.96	2.15	2.34	2.54	2.56	2.58	2.59	2.61	2.63	2.65	2.67	2.69	2.71	2.73	2.75	N/A
Cumulative Unplanned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.67	2.32	3.04	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	3.22	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	1.16	2.35	4.21	7.02	9.02	10.91	12.50	13.50	14.94	16.12	16.63	17.51	18.24	18.85	19.69	20.53	N/A
Combustion Turbine/Diesel	0.00	1.23	2.46	3.36	4.46	5.20	6.60	7.45	8.96	9.95	10.46	10.50	10.55	10.67	10.78	10.83	10.97	11.07	11.07	11.32	11.65	11.91	N/A
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08	N/A
Total Unplanned Additions	0.00	1.23	2.46	3.36	4.52	5.37	8.84	12.81	17.18	21.43	24.22	26.19	27.86	29.07	30.72	32.05	32.78	33.84	34.65	35.73	37.02	38.34	N/A
Cumulative Total Additions	0.00	1.79	3.42	4.54	5.90	6.93	10.61	14.77	19.33	23.78	26.76	28.74	30.44	31.66	33.33	34.68	35.43	36.51	37.34	38.44	39.75	41.09	N/A
Cumulative Retirements	0.00	0.00	0.05	0.16	0.88	1.12	1.67	2.60	4.20	5.33	5.39	5.39	5.64	5.88	5.98	5.98	6.14	6.14	6.14	6.14	6.16	6.38	N/A
Cogenerators 6/ Capability																							
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	0.0%
Petroleum	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	N/A
Natural Gas	7.62	9.11	9.25	9.29	9.56	9.83	10.07	10.30	10.49	10.66	10.84	11.01	11.17	11.34	11.50	11.67	11.87	12.07	12.28	12.50	12.69	12.89	2.5%
Other Gaseous Fuels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	2.3%
Other	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	-10.0%
Total	7.83	9.32	9.44	9.48	9.75	10.02	10.26	10.49	10.68	10.85	11.03	11.20	11.36	11.53	11.69	11.86	12.06	12.27	12.47	12.69	12.89	13.09	2.5%

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Electricity Supply and Demand																								
Electricity Demand																								
(billion kilowatthours)																								
Residential	93.93	94.80	96.92	100.31	103.27	106.09	109.31	111.60	113.99	116.83	120.20	123.58	125.89	128.57	131.27	133.78	136.29	138.68	141.16	143.64	146.31	148.86	2.2%	
Commercial/Other	77.22	79.08	80.63	83.44	85.90	88.03	90.53	92.96	95.54	98.11	100.78	103.27	105.63	107.91	110.03	111.89	113.51	114.96	116.26	117.38	118.47	119.28	2.1%	
Industrial	84.49	85.87	88.10	88.97	90.49	91.69	93.31	95.60	96.76	98.04	98.96	100.21	101.17	101.85	103.10	104.34	105.80	107.32	108.81	110.16	111.85	113.58	1.4%	
Transportation	0.97	0.99	1.02	1.05	1.19	1.32	1.44	1.55	1.65	1.75	1.85	1.95	2.05	2.15	2.25	2.34	2.39	2.38	2.36	2.34	2.31	2.28	4.1%	
Total Sales	256.61	260.74	266.67	273.78	280.85	287.13	294.58	301.72	307.94	314.73	321.80	329.02	334.74	340.47	346.64	352.35	358.00	363.33	368.58	373.51	378.95	384.00	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	N/A	
Gross International Exports	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	4.2%	
Gross Interregional Electricity Imports	1.76	3.98	3.73	3.64	3.54	3.36	3.69	3.36	3.53	3.21	2.97	2.81	2.64	2.56	2.33	1.98	1.89	1.60	1.41	1.14	1.09	1.05	-2.4%	
Gross Interregional Electricity Exports	1.94	2.83	2.58	2.29	2.16	1.98	1.96	2.30	1.94	2.26	2.20	2.51	2.20	1.97	2.21	2.10	2.26	2.26	2.09	2.12	1.92	1.98	0.1%	
Purchases from Cogenerators 6/	28.52	30.89	32.14	32.42	32.95	33.38	33.48	33.54	33.06	33.02	33.36	33.37	33.47	33.85	34.08	33.91	34.85	35.03	35.57	36.34	36.57	37.35	1.3%	
Utility Generation for Customers	245.37	245.93	250.86	257.72	264.55	270.61	277.95	285.89	292.21	299.83	307.05	314.98	320.56	326.02	332.50	338.69	343.70	349.42	354.42	359.12	364.46	369.10	2.0%	
Total Net Energy for Load	273.43	277.67	283.83	291.14	298.49	304.96	312.70	320.01	326.33	333.23	340.56	347.98	353.80	359.79	366.03	371.80	377.51	383.12	388.63	393.81	399.53	404.85	1.9%	
Generation by Fuel Type																								
(billion kilowatthours)																								
Coal	104.91	106.78	107.65	108.53	109.80	110.77	116.67	128.54	133.86	135.18	135.22	135.23	135.22	135.22	135.22	135.23	135.23	135.23	135.24	135.24	135.25	135.25	1.2%	
Petroleum	2.85	0.91	0.87	0.27	0.11	0.12	0.10	0.08	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.10	0.17	-12.6%	
Natural Gas	98.43	97.72	101.35	106.84	112.32	116.48	117.23	112.11	112.40	117.99	124.47	132.08	137.51	142.79	149.09	155.10	159.93	165.47	170.30	174.74	179.81	184.14	3.0%	
Nuclear	37.99	39.11	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	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	N/A	
Renewable Sources 4/	1.33	1.57	2.75	3.84	4.06	4.95	5.55	6.64	7.23	7.83	8.42	8.71	8.86	9.00	9.14	9.28	9.42	9.56	9.70	9.83	9.97	10.10	10.1%	
Total Generation	245.52	246.09	251.02	257.87	264.71	270.76	278.11	286.05	292.36	299.99	307.21	315.13	320.71	326.17	332.66	338.84	343.86	349.57	354.57	359.27	364.56	369.20	2.0%	
Sales to Customers	245.37	245.93	250.86	257.72	264.55	270.61	277.95	285.89	292.21	299.83	307.05	314.98	320.56	326.02	332.50	338.69	343.70	349.42	354.42	359.12	364.46	369.10	2.0%	
Generation for Own Use	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	0.10	0.10	-2.0%	
Cogenerators																								
Coal	2.95	2.95	2.95	2.96	2.95	2.95	2.95	2.95	2.95	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.93	2.93	2.93	2.93	2.92	2.92	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	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.5%	
Natural Gas	53.57	56.40	59.54	59.88	62.09	64.22	65.78	67.20	67.82	68.73	70.05	70.93	71.87	73.04	74.06	74.75	76.71	77.91	79.49	81.30	82.43	84.15	2.2%	
Other Gaseous Fuels	0.06	0.06	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	0.10	0.10	0.10	0.11	0.11	0.11	0.11	3.3%	
Renewable Sources 4/	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	2.2%	
Other	0.53	0.53	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.57	0.3%	
Total	57.26	60.10	63.30	63.64	65.85	67.96	69.54	70.96	71.59	72.50	73.82	74.71	75.65	76.82	77.85	78.54	80.50	81.70	83.29	85.10	86.23	87.95	2.1%	
Sales to Utilities	28.52	30.89	32.14	32.42	32.95	33.38	33.48	33.54	33.06	33.02	33.36	33.37	33.47	33.85	34.08	33.91	34.85	35.03	35.57	36.34	36.57	37.35	1.3%	
Generation for Own Use	28.73	29.21	31.16	31.22	32.90	34.60	36.06	37.42	38.52	39.47	40.46	41.34	42.18	42.97	43.77	44.63	45.65	46.68	47.72	48.76	49.66	50.60	2.7%	
End-Use Prices																								
(1999 cents per kilowatthour)																								
Residential	7.7	7.5	7.4	7.0	7.0	7.2	6.9	6.7	6.8	6.6	6.3	6.3	6.3	6.3	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	-0.4%	
Commercial	6.6	7.5	7.3	6.8	6.7	6.8	6.4	6.1	5.9	5.5	5.3	5.2	5.1	5.1	5.1	5.1	5.2	5.3	5.5	5.6	5.7	5.8	-0.6%	
Industrial	4.0	4.6	4.7	4.4	4.3	4.5	4.3	4.1	4.0	3.8	3.7	3.6	3.5	3.6	3.6	3.6	3.7	3.8	3.9	4.0	4.1	4.2	0.2%	
Transportation	4.0	4.3	4.4	4.3	4.2	4.2	4.2	4.2	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.7	3.8	3.8	3.8	3.9	3.9	-0.2%	
All Sectors Average	6.1	6.5	6.5	6.1	6.0	6.2	5.9	5.7	5.6	5.4	5.2	5.1	5.1	5.1	5.1	5.1	5.2	5.3	5.5	5.6	5.7	5.8	-0.3%	

Table 60. Electric Power Projections for EMM Region (3 of 3)
Electric Reliability Council of Texas

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Prices by Service Category (1999 cents per kilowatthour)																							
Generation	4.4	4.7	4.7	4.3	4.3	4.4	4.2	3.9	3.8	3.5	3.3	3.2	3.2	3.2	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0	-0.4%
Transmission	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	0.5	0.5	0.5	0.5	0.4	0.4	0.7%
Distribution	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	-0.1%
Fuel Consumption (quadrillion Btu) 8/																							
Coal	1.11	1.13	1.14	1.15	1.16	1.17	1.23	1.33	1.38	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.1%
Natural Gas	1.01	0.99	1.03	1.08	1.14	1.19	1.17	1.08	1.04	1.03	1.05	1.08	1.10	1.13	1.17	1.20	1.23	1.27	1.30	1.33	1.36	1.38	1.5%
Oil	0.03	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	-12.7%
Total	2.15	2.13	2.17	2.24	2.31	2.36	2.39	2.41	2.42	2.42	2.44	2.47	2.49	2.52	2.56	2.59	2.62	2.66	2.69	2.72	2.75	2.77	1.2%
Emissions (million short tons) 9/																							
Total Carbon	48.58	48.56	49.35	50.38	51.65	52.64	53.79	55.53	56.23	56.39	56.68	57.22	57.55	58.04	58.53	59.06	59.61	60.25	60.77	61.26	61.74	62.19	1.2%
Carbon Dioxide	178.14	178.04	180.96	184.74	189.37	193.01	197.24	203.62	206.19	206.76	207.81	209.81	211.01	212.81	214.62	216.55	218.55	220.92	222.82	224.60	226.38	228.02	1.2%
Sulfur Dioxide	0.35	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.1%
Nitrogen Oxide	0.32	0.30	0.31	0.31	0.32	0.33	0.32	0.31	0.30	0.28	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	-0.9%

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860B, "Annual Electric Generator Report - Nonutility." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

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

3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

5/ Cumulative additions after December 31, 1999.

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

7/ Generation to meet system load by source.

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

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

O&M = Operation and maintenance.

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1999 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Other 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 61. Electric Power Projections for EMM Region (1 of 3)
Mid-Atlantic Area Council**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Generating Capability 1/ (gigawatts)																							
Coal Steam	18.57	18.41	18.22	18.22	18.18	18.18	18.13	18.13	18.13	18.13	18.13	18.06	18.06	18.06	18.06	18.06	17.89	17.89	17.89	17.89	17.89	17.89	-0.2%
Other Fossil Steam 2/	8.51	8.28	8.28	8.28	8.28	8.28	8.28	8.28	8.28	8.28	7.90	7.90	7.90	7.90	7.90	7.90	7.90	7.90	7.90	7.90	7.90	7.90	-0.4%
Combined Cycle	1.97	1.97	1.97	1.97	1.97	1.97	3.93	5.88	6.99	8.34	8.87	9.99	10.43	10.96	11.44	11.94	12.92	13.63	14.65	15.45	16.20	16.83	10.8%
Combustion Turbine/Diesel	9.11	9.34	9.84	10.86	11.95	12.62	14.69	15.25	17.34	17.34	17.63	17.63	17.63	17.63	17.63	17.63	17.63	17.63	18.09	18.09	18.09	18.35	3.4%
Nuclear Power	13.02	13.02	13.02	13.02	13.02	13.02	13.02	13.02	13.02	13.02	13.02	12.40	12.40	12.40	12.40	11.62	11.62	10.51	10.51	10.51	10.51	10.51	-1.5%
Pumped Storage/Other 3/	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	N/A
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.04	0.07	0.10	0.15	0.20	0.27	0.27	0.27	0.27	0.29	0.29	0.29	0.29	0.29	N/A
Renewable Sources 4/	1.70	1.71	1.72	1.73	1.77	1.84	1.94	1.99	2.09	2.24	2.45	2.72	3.04	3.42	3.42	3.42	3.42	3.54	3.54	3.54	3.54	3.54	3.5%
Total Capability	54.22	54.08	54.39	55.42	56.65	57.56	61.86	64.63	68.15	69.74	70.61	71.42	72.30	73.33	73.87	73.64	74.50	74.30	75.92	76.76	77.56	77.38	1.7%
Cumulative Planned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	N/A
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.04	0.07	0.10	0.15	0.20	0.27	0.27	0.27	0.27	0.29	0.29	0.29	0.29	0.29	N/A
Renewable Sources 4/	0.00	0.01	0.02	0.03	0.06	0.09	0.12	0.17	0.27	0.42	0.63	0.90	1.22	1.60	1.60	1.60	1.60	1.72	1.72	1.72	1.72	1.72	N/A
Total Planned Additions	0.00	0.01	0.02	0.03	0.07	0.10	0.13	0.19	0.31	0.49	0.73	1.04	1.42	1.87	1.87	1.87	1.87	2.01	2.01	2.01	2.01	2.01	N/A
Cumulative Unplanned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	1.96	3.92	5.02	6.37	6.90	8.02	8.46	8.99	9.47	9.97	10.95	11.66	12.69	13.48	14.24	14.86	N/A
Combustion Turbine/Diesel	0.00	0.23	0.73	1.75	2.84	3.50	5.58	6.14	8.23	8.23	8.52	8.52	8.52	8.52	8.52	8.52	8.52	8.52	8.99	8.99	8.99	9.25	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	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.05	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	N/A
Total Unplanned Additions	0.00	0.23	0.73	1.75	2.97	3.85	8.18	10.89	14.29	15.70	16.71	17.90	18.40	18.99	19.52	20.08	21.11	21.87	23.49	24.33	25.13	26.07	N/A
Cumulative Total Additions	0.00	0.24	0.75	1.78	3.04	3.95	8.30	11.08	14.59	16.19	17.44	18.94	19.82	20.85	21.39	21.95	22.98	23.88	25.50	26.35	27.14	28.08	N/A
Cumulative Retirements	0.00	0.34	0.58	0.58	0.62	0.62	0.67	0.67	0.67	0.67	1.05	1.74	1.74	1.74	1.74	2.53	2.70	3.81	3.81	3.81	3.81	4.93	N/A
Cogenerators 6/ Capability																							
Coal	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	0.96	0.96	0.96	0.96	0.0%
Petroleum	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	0.0%
Natural Gas	3.26	3.27	3.29	3.30	3.34	3.39	3.43	3.47	3.50	3.53	3.56	3.59	3.61	3.64	3.67	3.70	3.73	3.76	3.80	3.83	3.87	3.90	0.9%
Other Gaseous Fuels	0.02	0.02	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	7.2%
Renewable Sources 4/	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	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.8%
Other	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	-10.0%
Total	4.80	4.81	4.86	4.87	4.91	4.96	5.00	5.04	5.08	5.11	5.14	5.17	5.20	5.23	5.26	5.29	5.33	5.36	5.40	5.44	5.47	5.51	0.7%

**Table 61. Electric Power Projections for EMM Region (2 of 3)
Mid-Atlantic Area Council**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Demand (billion kilowatthours)																							
Residential	82.13	82.89	84.81	86.98	89.16	91.16	93.24	94.94	96.71	98.42	99.95	101.54	102.64	104.01	105.33	106.48	107.77	108.97	110.24	111.53	112.91	114.17	1.6%
Commercial/Other	101.06	103.50	106.60	109.76	112.35	114.67	117.49	120.17	122.83	125.55	127.92	130.11	132.23	134.32	136.21	137.81	139.21	140.52	141.68	142.79	143.77	144.40	1.7%
Industrial	58.97	59.45	59.99	61.15	61.54	61.61	62.12	62.91	63.69	64.40	65.07	65.92	66.44	67.07	67.68	68.45	69.40	70.24	71.03	71.71	72.56	73.41	1.0%
Transportation	1.38	1.40	1.43	1.46	1.65	1.82	1.98	2.12	2.24	2.36	2.49	2.61	2.72	2.83	2.94	3.05	3.09	3.06	3.02	2.97	2.91	2.85	3.5%
Total Sales	243.55	247.24	252.83	259.36	264.69	269.25	274.83	280.14	285.47	290.73	295.42	300.18	304.03	308.23	312.16	315.79	319.48	322.79	325.97	329.00	332.15	334.84	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	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	N/A
Gross Interregional Electricity Imports	33.15	28.56	30.14	32.94	33.36	35.23	32.43	32.16	32.55	29.56	29.42	29.90	28.11	27.67	26.62	27.91	27.74	27.84	28.32	26.77	26.67	29.46	-0.6%
Gross Interregional Electricity Exports	22.62	18.70	16.09	15.95	15.47	18.20	19.60	20.18	21.49	18.66	17.46	17.67	17.22	19.52	19.46	18.30	19.75	20.09	21.02	22.21	23.69	23.19	0.1%
Purchases from Cogenerators 6/	18.19	18.26	18.35	18.41	18.49	18.60	18.70	18.77	18.85	18.92	19.03	19.13	19.21	19.29	19.38	19.47	19.57	19.67	19.77	19.88	19.98	20.09	0.5%
Utility Generation for Customers	233.72	238.01	239.52	243.48	247.56	253.01	262.83	269.13	275.42	280.99	284.73	289.35	294.45	301.31	306.21	307.35	312.52	316.18	319.88	325.66	330.46	329.98	1.7%
Total Net Energy for Load	262.43	266.13	271.92	278.87	283.94	288.65	294.35	299.88	305.33	310.80	315.71	320.71	324.54	328.74	332.75	336.43	340.08	343.59	346.96	350.11	353.42	356.34	1.5%
Generation by Fuel Type (billion kilowatthours)																							
Coal	109.82	113.25	115.85	118.47	119.97	122.30	122.46	120.81	121.57	122.07	121.18	121.52	121.37	121.76	122.55	123.44	124.18	123.63	125.20	126.07	126.94	128.46	0.7%
Petroleum	7.33	4.32	3.36	2.13	1.16	0.94	0.38	0.29	0.22	0.21	0.34	0.36	0.44	0.44	0.44	0.45	0.38	0.37	0.39	0.39	0.39	0.41	-12.8%
Natural Gas	6.42	8.47	9.50	11.38	14.25	16.79	25.95	33.33	38.54	43.12	46.91	55.25	58.85	63.13	66.41	69.79	77.54	82.65	90.96	96.01	100.09	102.67	14.1%
Nuclear	102.40	104.28	102.64	102.88	103.02	103.15	103.29	103.42	103.50	103.57	103.64	98.65	98.72	98.79	98.86	95.70	92.43	91.04	84.55	84.39	84.22	79.59	-1.2%
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	8.78	8.72	9.21	9.66	10.12	10.72	11.57	12.00	12.24	12.64	13.19	14.06	15.54	17.63	18.37	18.36	18.36	18.84	19.08	19.08	19.08	19.07	3.8%
Total Generation	234.74	239.04	240.56	244.53	248.58	254.05	263.87	270.17	276.46	282.03	285.77	290.39	295.49	302.35	307.25	308.39	313.56	317.22	320.92	326.70	331.50	331.02	1.7%
Sales to Customers	233.72	238.01	239.52	243.48	247.56	253.01	262.83	269.13	275.42	280.99	284.73	289.35	294.45	301.31	306.21	307.35	312.52	316.18	319.88	325.66	330.46	329.98	1.7%
Generation for Own Use	1.02	1.04	1.04	1.05	1.02	1.03	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	0.1%
Cogenerators																							
Coal	6.13	6.19	6.20	6.21	6.22	6.25	6.28	6.27	6.27	6.27	6.30	6.31	6.31	6.31	6.31	6.31	6.31	6.31	6.31	6.31	6.31	6.31	0.1%
Petroleum	0.95	0.95	1.02	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.95	0.95	0.95	0.96	0.96	0.96	0.97	0.97	0.97	0.98	0.98	0.98	0.2%
Natural Gas	17.87	17.91	18.15	18.26	18.57	18.87	19.14	19.39	19.60	19.80	20.00	20.18	20.36	20.54	20.72	20.91	21.13	21.36	21.59	21.82	22.03	22.26	1.1%
Other Gaseous Fuels	0.39	0.39	0.59	0.59	0.60	0.60	0.61	0.62	0.63	0.64	0.66	0.67	0.68	0.69	0.70	0.71	0.73	0.74	0.75	0.76	0.77	0.78	3.3%
Renewable Sources 4/	0.62	0.62	0.62	0.62	0.63	0.64	0.65	0.66	0.66	0.67	0.68	0.69	0.69	0.70	0.71	0.71	0.72	0.73	0.73	0.74	0.74	0.75	0.9%
Other	0.30	0.31	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	0.3%
Total	26.27	26.38	26.90	26.95	27.28	27.63	27.93	28.21	28.44	28.64	28.90	29.12	29.32	29.52	29.72	29.94	30.18	30.43	30.68	30.93	31.16	31.40	0.9%
Sales to Utilities	18.19	18.26	18.35	18.41	18.49	18.60	18.70	18.77	18.85	18.92	19.03	19.13	19.21	19.29	19.38	19.47	19.57	19.67	19.77	19.88	19.98	20.09	0.5%
Generation for Own Use	8.08	8.12	8.55	8.54	8.79	9.03	9.23	9.43	9.59	9.72	9.87	10.00	10.11	10.23	10.34	10.46	10.62	10.76	10.91	11.06	11.18	11.31	1.6%
End-Use Prices (1999 cents per kilowatthour)																							
Residential	9.5	9.4	9.2	8.9	8.7	8.6	8.3	8.0	7.8	7.7	7.7	7.8	7.8	7.9	7.9	8.1	8.1	8.1	8.2	8.3	8.3	8.4	-0.6%
Commercial	8.6	8.8	8.7	8.3	8.0	7.8	7.0	6.6	6.1	5.7	5.6	5.7	5.7	5.7	5.7	5.9	6.0	6.0	6.1	6.1	6.2	6.4	-1.4%
Industrial	6.4	6.7	6.6	6.2	6.1	5.9	5.3	4.9	4.5	4.2	4.2	4.2	4.2	4.2	4.3	4.4	4.5	4.5	4.6	4.7	4.7	4.9	-1.2%
Transportation	6.0	6.0	5.8	5.6	5.4	5.3	4.9	4.8	4.7	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.7	-1.2%
All Sectors Average	8.4	8.5	8.3	8.0	7.8	7.6	7.0	6.7	6.3	6.0	6.0	6.1	6.1	6.1	6.1	6.3	6.3	6.4	6.5	6.5	6.6	6.7	-1.0%

**Table 61. Electric Power Projections for EMM Region (3 of 3)
Mid-Atlantic Area Council**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Prices by Service Category (1999 cents per kilowatthour)																							
Generation	5.5	5.5	5.4	5.1	4.9	4.7	4.1	3.7	3.3	2.9	2.9	3.0	3.0	3.0	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.7	-1.8%
Transmission	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.3%
Distribution	2.4	2.5	2.5	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.1%
Fuel Consumption (quadrillion Btu) 8/																							
Coal	1.09	1.12	1.15	1.18	1.19	1.21	1.22	1.20	1.20	1.21	1.20	1.20	1.20	1.21	1.21	1.22	1.23	1.23	1.24	1.25	1.26	1.28	0.8%
Natural Gas	0.07	0.09	0.10	0.12	0.16	0.18	0.23	0.27	0.31	0.33	0.35	0.41	0.43	0.46	0.48	0.50	0.55	0.59	0.64	0.67	0.70	0.72	12.0%
Oil	0.09	0.05	0.04	0.02	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	-13.3%
Total	1.24	1.26	1.29	1.32	1.36	1.41	1.45	1.47	1.51	1.54	1.55	1.61	1.64	1.67	1.70	1.73	1.79	1.82	1.89	1.93	1.96	2.00	2.3%
Emissions (million short tons) 9/																							
Total Carbon	33.29	33.81	34.51	35.29	36.00	37.09	37.77	37.84	38.63	39.09	39.22	40.21	40.55	41.13	41.71	42.35	43.39	43.75	45.13	45.87	46.51	47.29	1.7%
Carbon Dioxide	122.08	123.97	126.55	129.41	132.02	136.01	138.48	138.76	141.63	143.34	143.81	147.42	148.68	150.82	152.92	155.29	159.09	160.41	165.48	168.20	170.53	173.40	1.7%
Sulfur Dioxide	1.31	1.12	1.11	1.09	0.99	0.94	0.89	0.84	0.83	0.82	0.81	0.78	0.77	0.76	0.78	0.79	0.79	0.76	0.76	0.77	0.78	0.78	-2.4%
Nitrogen Oxide	0.28	0.25	0.25	0.26	0.23	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.24	-0.9%

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860B, "Annual Electric Generator Report - Nonutility." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

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

3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

5/ Cumulative additions after December 31, 1999.

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

7/ Generation to meet system load by source.

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

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

O&M = Operation and maintenance.

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1999 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Other 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 62. Electric Power Projections for EMM Region (1 of 3)
Mid-America Interconnected Network**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Generating Capability 1/ (gigawatts)																							
Coal Steam	27.80	27.77	27.77	27.77	27.49	27.49	27.34	27.54	27.71	27.71	27.71	27.71	27.86	28.04	28.23	28.23	28.38	28.38	28.62	28.10	28.50	28.66	0.1%
Other Fossil Steam 2/	3.72	3.72	3.72	3.72	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	0.0%
Combined Cycle	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	N/A
Combustion Turbine/Diesel	7.02	7.96	9.06	10.16	10.96	11.66	14.87	15.61	18.56	18.56	20.03	20.25	21.46	21.67	23.79	23.87	25.33	25.38	26.82	26.82	28.66	28.66	6.9%
Nuclear Power	12.73	12.77	12.77	12.77	12.77	12.77	12.77	12.77	12.77	12.77	12.00	11.50	10.73	10.73	9.58	9.58	9.58	9.58	9.58	9.58	9.58	9.58	-1.3%
Pumped Storage/Other 3/	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	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	N/A
Renewable Sources 4/	0.84	0.88	0.88	0.89	0.89	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.7%
Total Capability	52.75	53.74	54.84	55.94	56.49	57.32	60.43	61.43	64.71	64.76	65.63	65.41	66.17	66.62	67.93	68.06	69.83	69.93	71.75	71.28	73.66	73.81	1.6%
Cumulative Planned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combustion Turbine/Diesel	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	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
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	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	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	N/A
Renewable Sources 4/	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	N/A
Total Planned Additions	0.00	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	N/A
Cumulative Unplanned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.37	0.37	0.37	0.37	0.52	0.70	0.88	0.88	1.04	1.04	1.28	1.46	1.86	2.02	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combustion Turbine/Diesel	0.00	0.88	1.98	3.10	3.91	4.97	8.32	9.06	12.01	12.01	13.48	13.70	14.91	15.12	17.23	17.32	18.78	18.82	20.30	20.30	22.14	22.14	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	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	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	0.08	N/A
Total Unplanned Additions	0.00	0.88	1.98	3.10	3.95	5.14	8.55	9.54	12.82	12.88	14.51	14.79	16.32	16.77	19.23	19.37	21.14	21.23	23.08	23.31	25.69	25.84	N/A
Cumulative Total Additions	0.00	0.97	2.07	3.19	4.04	5.23	8.64	9.63	12.91	12.97	14.61	14.88	16.41	16.86	19.33	19.46	21.23	21.32	23.18	23.40	25.78	25.94	N/A
Cumulative Retirements	0.00	0.00	0.17	0.19	0.50	0.87	1.16	1.16	1.16	1.16	1.93	2.42	3.19	3.19	4.35	4.35	4.35	4.35	4.37	5.07	5.07	5.07	N/A
Cogenerators 6/ Capability																							
Coal	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	0.0%
Petroleum	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.0%
Natural Gas	0.60	0.61	0.62	0.63	0.66	0.69	0.72	0.75	0.77	0.79	0.81	0.83	0.85	0.87	0.89	0.91	0.93	0.95	0.98	1.00	1.03	1.05	2.7%
Other Gaseous Fuels	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	7.2%
Renewable Sources 4/	0.24	0.24	0.24	0.24	0.25	0.25	0.26	0.27	0.28	0.29	0.29	0.30	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.35	0.36	0.36	2.0%
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-10.0%
Total	1.75	1.76	1.79	1.79	1.83	1.87	1.91	1.95	1.98	2.01	2.04	2.06	2.09	2.11	2.14	2.17	2.20	2.23	2.26	2.29	2.32	2.35	1.4%

**Table 62. Electric Power Projections for EMM Region (2 of 3)
Mid-America Interconnected Network**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Electricity Demand																								
(billion kilowatthours)																								
Residential	69.31	69.95	72.43	74.36	75.84	77.76	79.85	80.67	82.23	83.78	85.51	87.17	88.33	89.74	91.05	92.21	93.44	94.62	95.85	97.03	98.39	99.64	1.7%	
Commercial/Other	74.61	76.41	79.40	81.56	83.23	85.00	87.05	88.94	90.95	92.83	94.72	96.40	98.07	99.77	101.32	102.70	103.99	105.16	106.24	107.22	108.26	109.09	1.8%	
Industrial	83.04	84.16	84.48	85.76	86.63	87.10	88.33	89.76	90.93	92.01	92.91	94.07	94.96	95.91	97.18	98.53	99.96	101.28	102.64	103.94	105.50	107.28	1.2%	
Transportation	1.05	1.07	1.09	1.12	1.26	1.39	1.52	1.63	1.72	1.82	1.91	2.00	2.09	2.18	2.26	2.34	2.37	2.35	2.31	2.27	2.23	2.18	3.5%	
Total Sales	228.01	231.59	237.40	242.80	246.96	251.25	256.74	260.99	265.83	270.43	275.04	279.65	283.46	287.61	291.80	295.78	299.77	303.41	307.04	310.46	314.38	318.19	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	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	N/A
Gross Interregional Electricity Imports	20.75	21.11	16.17	15.48	15.80	15.90	17.07	17.58	20.44	21.54	23.59	27.75	32.68	34.54	38.63	39.14	38.08	39.07	38.40	42.19	40.78	41.65	3.4%	
Gross Interregional Electricity Exports	26.41	24.13	19.75	19.75	19.68	21.92	19.55	17.99	17.35	15.95	14.68	11.91	10.59	9.85	8.82	8.77	8.37	7.93	7.93	8.61	7.41	7.93	7.84	-5.6%
Purchases from Cogenerators 6/	0.88	0.88	0.93	1.00	1.08	1.16	1.24	1.32	1.41	1.50	1.59	1.68	1.77	1.87	1.97	2.07	2.17	2.28	2.39	2.50	2.60	2.72	5.5%	
Utility Generation for Customers	248.90	249.84	256.55	262.78	266.63	273.11	275.26	277.53	279.01	281.24	282.66	280.55	278.11	279.69	278.67	282.07	286.68	289.02	294.05	292.67	298.58	301.54	0.9%	
Total Net Energy for Load	244.12	247.70	253.91	259.50	263.83	268.25	274.02	278.45	283.51	288.33	293.15	298.06	301.97	306.25	310.45	314.50	318.57	322.44	326.23	329.94	334.03	338.07	1.6%	
Generation by Fuel Type																								
(billion kilowatthours)																								
Coal	143.05	145.93	154.43	160.46	163.73	169.93	172.54	174.80	176.14	178.41	179.54	182.13	186.42	188.58	192.76	195.38	197.54	198.68	201.45	199.14	203.05	205.21	1.7%	
Petroleum	1.05	0.53	0.83	0.42	0.33	0.25	0.22	0.17	0.16	0.17	0.16	0.17	0.17	0.18	0.18	0.20	0.20	0.20	0.21	0.22	0.22	0.22	0.22	-7.1%
Natural Gas	7.78	3.16	2.53	3.13	3.58	3.38	2.87	2.77	2.73	2.53	2.63	2.96	4.22	4.50	6.36	7.01	9.14	10.26	12.39	13.50	15.47	16.27	3.6%	
Nuclear	94.04	97.20	95.43	95.55	95.67	95.79	95.90	96.02	96.14	96.26	96.38	90.69	82.61	81.77	74.67	74.78	74.90	75.00	75.08	75.09	75.09	75.09	75.09	-1.1%
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	
Renewable Sources 4/	3.71	3.87	4.29	4.30	4.32	4.83	4.86	4.87	4.87	4.88	4.88	5.51	5.52	5.47	5.44	5.42	5.55	5.51	5.49	5.29	5.25	5.24	1.7%	
Total Generation	249.63	250.69	257.51	263.85	267.65	274.22	276.46	278.73	280.20	282.44	283.85	281.74	279.30	280.88	279.86	283.26	287.87	290.21	295.24	293.87	299.77	302.74	0.9%	
Sales to Customers	248.90	249.84	256.55	262.78	266.63	273.11	275.26	277.53	279.01	281.24	282.66	280.55	278.11	279.69	278.67	282.07	286.68	289.02	294.05	292.67	298.58	301.54	0.9%	
Generation for Own Use	0.74	0.85	0.96	1.07	1.02	1.11	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	2.3%	
Cogenerators																								
Coal	3.94	3.94	3.94	3.94	3.94	3.94	3.93	3.93	3.93	3.92	3.92	3.92	3.92	3.92	3.91	3.91	3.91	3.91	3.90	3.90	3.90	3.90	0.0%	
Petroleum	0.42	0.42	0.44	0.44	0.44	0.44	0.44	0.45	0.45	0.45	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.46	0.46	0.47	0.47	0.47	0.5%	
Natural Gas	1.30	1.32	1.41	1.42	1.52	1.62	1.70	1.79	1.86	1.92	1.99	2.05	2.11	2.17	2.23	2.30	2.37	2.45	2.52	2.60	2.67	2.74	3.6%	
Other Gaseous Fuels	0.23	0.23	0.34	0.34	0.35	0.35	0.35	0.36	0.36	0.37	0.38	0.38	0.39	0.40	0.40	0.41	0.42	0.43	0.43	0.44	0.45	0.45	3.3%	
Renewable Sources 4/	1.70	1.69	1.70	1.70	1.75	1.80	1.86	1.92	1.97	2.03	2.08	2.14	2.18	2.23	2.28	2.32	2.38	2.42	2.46	2.50	2.54	2.58	2.0%	
Other	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	0.21	0.21	0.21	0.3%	
Total	7.78	7.79	8.03	8.04	8.20	8.35	8.49	8.64	8.78	8.90	9.03	9.15	9.26	9.37	9.49	9.61	9.74	9.87	9.99	10.12	10.23	10.35	1.4%	
Sales to Utilities	0.88	0.88	0.93	1.00	1.08	1.16	1.24	1.32	1.41	1.50	1.59	1.68	1.77	1.87	1.97	2.07	2.17	2.28	2.39	2.50	2.60	2.72	5.5%	
Generation for Own Use	6.90	6.91	7.10	7.05	7.13	7.19	7.26	7.32	7.37	7.40	7.44	7.47	7.49	7.50	7.52	7.54	7.57	7.59	7.60	7.62	7.62	7.64	0.5%	
End-Use Prices																								
(1999 cents per kilowatthour)																								
Residential	8.4	8.2	8.1	7.9	8.3	8.1	8.0	8.0	7.9	7.8	7.8	7.8	7.9	7.8	7.8	7.8	7.7	7.8	7.7	7.9	7.8	7.8	-0.3%	
Commercial	7.1	7.3	7.3	7.0	6.9	6.8	6.5	6.5	6.3	6.2	6.1	6.2	6.2	6.2	6.2	6.3	6.2	6.3	6.2	6.4	6.2	6.3	-0.6%	
Industrial	4.3	4.5	4.5	4.4	4.3	4.2	4.0	4.0	3.9	3.9	3.8	3.9	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.1	4.0	4.1	-0.2%	
Transportation	5.6	5.8	5.6	5.4	5.3	5.1	5.0	5.0	4.9	4.8	4.8	4.8	4.7	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	-1.1%	
All Sectors Average	6.5	6.6	6.5	6.3	6.4	6.3	6.1	6.1	6.0	5.9	5.9	5.9	6.0	5.9	6.0	6.0	5.9	6.0	5.9	6.1	6.0	6.0	-0.3%	

**Table 62. Electric Power Projections for EMM Region (3 of 3)
Mid-America Interconnected Network**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Prices by Service Category (1999 cents per kilowatthour)																							
Generation	4.2	4.2	4.2	4.0	4.1	4.0	3.8	3.7	3.6	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.6	3.8	3.7	3.8	-0.5%
Transmission	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	0.5	0.5	0.5	0.4	0.4	0.0%
Distribution	1.8	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	-0.1%
Fuel Consumption (quadrillion Btu) 8/																							
Coal	1.51	1.54	1.64	1.70	1.74	1.81	1.84	1.87	1.88	1.91	1.92	1.95	1.99	2.01	2.05	2.08	2.10	2.11	2.13	2.10	2.13	2.15	1.7%
Natural Gas	0.09	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.06	0.07	0.08	0.09	0.11	0.12	0.13	0.14	2.2%
Oil	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-7.6%
Total	1.61	1.58	1.67	1.74	1.78	1.86	1.88	1.90	1.91	1.93	1.95	1.98	2.03	2.05	2.11	2.14	2.18	2.20	2.24	2.22	2.27	2.29	1.7%
Emissions (million short tons) 9/																							
Total Carbon	44.31	44.44	47.00	48.87	49.96	52.11	52.78	53.40	53.72	54.40	54.77	55.60	56.99	57.56	58.98	59.91	60.75	61.25	62.18	61.44	62.55	63.23	1.7%
Carbon Dioxide	162.48	162.94	172.33	179.18	183.18	191.07	193.54	195.82	196.98	199.47	200.82	203.86	208.96	211.05	216.25	219.68	222.73	224.59	227.99	225.28	229.35	231.84	1.7%
Sulfur Dioxide	1.06	0.99	0.99	0.94	0.96	0.87	0.88	0.85	0.81	0.81	0.83	0.78	0.81	0.81	0.83	0.85	0.88	0.72	0.71	0.69	0.69	0.68	-2.1%
Nitrogen Oxide	0.42	0.37	0.40	0.42	0.37	0.37	0.38	0.39	0.38	0.39	0.39	0.40	0.41	0.41	0.42	0.42	0.43	0.43	0.43	0.42	0.43	0.43	0.1%

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860B, "Annual Electric Generator Report - Nonutility." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

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

3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

5/ Cumulative additions after December 31, 1999.

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

7/ Generation to meet system load by source.

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

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

O&M = Operation and maintenance.

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1999 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Other 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 63. Electric Power Projections for EMM Region (1 of 3)
Mid-Century Area Power Pool**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Electricity Generating Capability 1/ (gigawatts)																								
Coal Steam	19.82	19.82	19.82	19.82	19.75	19.75	19.74	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	0.0%
Other Fossil Steam 2/	0.67	0.67	0.67	0.67	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	-0.9%
Combined Cycle	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.79	1.07	1.56	1.80	2.43	3.25	4.27	4.93	5.36	5.70	5.86	6.16	13.5%	
Combustion Turbine/Diesel	5.32	5.44	5.44	5.44	5.42	5.81	6.77	7.20	7.63	7.97	8.10	8.54	8.70	9.38	9.74	10.06	10.21	10.38	10.38	10.51	10.88	11.07	3.6%	
Nuclear Power	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	-6.0%
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	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	N/A
Renewable Sources 4/	4.13	4.17	4.23	4.36	4.36	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	0.3%
Total Capability	34.16	34.31	34.37	34.51	34.30	34.74	35.73	36.47	36.93	37.30	37.82	38.57	39.25	40.26	40.48	40.40	41.67	42.57	43.03	43.54	44.10	44.03	1.2%	
Cumulative Planned Additions 5/																								
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combustion Turbine/Diesel	0.00	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	N/A
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	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	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	N/A
Renewable Sources 4/	0.00	0.03	0.10	0.22	0.22	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
Total Planned Additions	0.00	0.12	0.19	0.32	0.32	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	N/A
Cumulative Unplanned Additions 5/																								
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.64	1.13	1.38	2.00	2.82	3.84	4.50	4.93	5.28	5.43	5.73	5.73	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.41	1.37	1.80	2.23	2.57	2.70	3.14	3.31	3.98	4.34	4.66	4.81	4.98	4.98	5.11	5.48	5.67	5.67	N/A
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.00	0.44	1.44	2.21	2.67	3.03	3.55	4.30	4.99	6.00	7.07	8.31	9.57	10.48	10.94	11.45	12.00	12.51	12.51	N/A
Cumulative Total Additions	0.00	0.12	0.19	0.32	0.32	0.78	1.78	2.55	3.00	3.37	3.89	4.64	5.33	6.33	7.41	8.64	9.91	10.82	11.28	11.79	12.34	12.85	12.85	N/A
Cumulative Retirements	0.00	0.00	0.00	0.00	0.21	0.23	0.23	0.26	0.26	0.26	0.26	0.26	0.26	0.26	1.12	2.43	2.43	2.43	2.43	2.43	2.43	3.01	3.01	N/A
Cogenerators 6/ Capability																								
Coal	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.0%
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	0.0%
Natural Gas	0.12	0.12	0.12	0.12	0.13	0.14	0.14	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.22	0.22	0.22	3.2%
Other Gaseous Fuels	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	0.02	0.02	0.02	0.02	0.02	0.02	7.2%
Renewable Sources 4/	0.21	0.21	0.21	0.21	0.21	0.22	0.22	0.23	0.24	0.24	0.25	0.26	0.26	0.26	0.27	0.27	0.28	0.28	0.29	0.29	0.29	0.30	0.30	1.8%
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-10.0%
Total	1.05	1.06	1.07	1.07	1.08	1.10	1.11	1.12	1.14	1.15	1.16	1.17	1.18	1.19	1.20	1.21	1.22	1.23	1.24	1.25	1.26	1.27	1.27	0.9%

**Table 63. Electric Power Projections for EMM Region (2 of 3)
Mid-Century Area Power Pool**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Demand																							
(billion kilowatthours)																							
Residential	50.19	50.65	52.19	53.37	54.37	55.50	56.57	57.05	57.99	58.84	59.77	60.78	61.59	62.54	63.38	64.02	64.84	65.60	66.46	67.27	68.21	69.10	1.5%
Commercial/Other	35.36	36.21	37.69	38.74	39.71	40.67	41.60	42.45	43.46	44.36	45.30	46.24	47.22	48.21	49.08	49.78	50.46	51.06	51.61	52.10	52.63	53.06	2.0%
Industrial	59.49	60.29	60.54	61.45	62.06	62.39	63.27	64.29	65.13	65.90	66.53	67.36	68.00	68.67	69.57	70.54	71.56	72.49	73.45	74.37	75.49	76.76	1.2%
Transportation	0.67	0.68	0.70	0.71	0.80	0.89	0.97	1.04	1.10	1.16	1.22	1.29	1.35	1.40	1.46	1.51	1.54	1.52	1.50	1.48	1.45	1.42	3.6%
Total Sales	145.71	147.82	151.12	154.28	156.95	159.45	162.41	164.83	167.69	170.26	172.83	175.67	178.16	180.83	183.50	185.85	188.40	190.67	193.02	195.22	197.78	200.34	1.5%
Net Energy for Load (billion kilowatthours) 7/																							
Gross International Imports	8.54	8.22	7.56	6.98	6.78	6.78	6.38	2.40	2.40	2.40	2.40	2.16	1.92	1.68	1.44	1.20	0.96	0.72	0.48	0.24	0.12	0.00	N/A
Gross International Exports	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Gross Interregional Electricity Imports	15.07	7.54	4.20	3.39	2.63	2.16	2.08	2.74	3.31	3.76	4.04	4.25	3.91	3.59	3.79	4.84	5.65	4.96	4.92	4.15	4.83	4.97	-5.1%
Gross Interregional Electricity Exports	20.77	21.25	18.12	18.71	21.94	22.06	23.29	20.82	20.31	19.02	18.35	17.11	17.11	16.75	16.29	11.36	8.48	9.36	9.38	9.09	8.53	8.05	-4.4%
Purchases from Cogenerators 6/	0.28	0.63	0.68	0.73	0.78	0.83	0.87	0.92	0.97	1.02	1.07	1.13	1.18	1.23	1.29	1.34	1.40	1.46	1.52	1.58	1.64	1.70	8.9%
Utility Generation for Customers	156.39	162.62	166.83	171.62	178.21	181.75	184.73	186.24	188.39	189.21	191.40	193.51	196.11	198.43	200.19	196.86	202.82	206.73	209.28	212.12	213.46	215.28	1.5%
Total Net Energy for Load	157.53	157.75	161.16	164.01	166.46	169.45	170.78	171.48	174.76	177.37	180.56	183.93	186.01	188.19	190.41	192.88	202.35	204.50	206.82	209.01	211.51	213.90	1.5%
Generation by Fuel Type																							
(billion kilowatthours)																							
Coal	106.89	114.24	118.28	122.54	129.01	132.34	135.28	136.70	138.64	139.14	139.85	140.35	140.70	141.14	141.79	142.87	143.56	143.78	143.98	144.16	144.32	144.57	1.4%
Petroleum	0.49	0.52	0.64	0.55	0.49	0.36	0.31	0.30	0.29	0.28	0.28	0.28	0.28	0.27	0.27	0.30	0.32	0.32	0.33	0.34	0.34	0.35	-1.6%
Natural Gas	1.82	1.80	1.79	1.58	1.57	1.81	1.81	1.92	2.12	2.45	3.91	5.52	7.76	9.63	13.73	19.83	27.31	30.95	33.30	35.95	37.11	39.46	15.8%
Nuclear	29.51	29.20	28.76	28.82	28.85	28.85	28.85	28.85	28.85	28.85	28.85	28.85	28.85	28.85	25.81	15.24	12.99	12.99	12.99	12.99	12.99	12.99	-4.1%
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable 4/	18.06	17.18	17.68	18.44	18.61	18.70	18.77	18.76	18.75	18.75	18.74	18.73	18.73	18.72	18.71	18.70	18.69	18.69	18.68	18.68	18.68	18.67	0.2%
Total Generation	156.77	162.93	167.15	171.94	178.53	182.07	185.04	186.56	188.71	189.53	191.71	193.83	196.43	198.75	200.50	197.18	203.14	207.04	209.60	212.44	213.78	215.60	1.5%
Sales to Customers	156.39	162.62	166.83	171.62	178.21	181.75	184.73	186.24	188.39	189.21	191.40	193.51	196.11	198.43	200.19	196.86	202.82	206.73	209.28	212.12	213.46	215.28	1.5%
Generation for Own Use	0.38	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	-0.8%
Cogenerators																							
Coal	2.70	2.70	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.69	2.69	2.69	2.69	2.69	2.69	0.0%
Petroleum	0.60	0.60	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.64	0.64	0.64	0.64	0.65	0.65	0.65	0.66	0.66	0.66	0.66	0.67	0.67	0.5%
Natural Gas	0.54	0.54	0.58	0.59	0.63	0.67	0.71	0.74	0.77	0.80	0.83	0.85	0.88	0.90	0.93	0.95	0.98	1.01	1.05	1.08	1.11	1.14	3.6%
Other Gaseous Fuels	0.35	0.35	0.52	0.52	0.52	0.53	0.53	0.55	0.55	0.56	0.58	0.58	0.59	0.60	0.61	0.62	0.64	0.65	0.66	0.67	0.68	0.69	3.3%
Renewable Sources 4/	0.91	0.87	0.87	0.88	0.90	0.92	0.95	0.97	1.00	1.02	1.04	1.07	1.09	1.10	1.13	1.15	1.17	1.19	1.21	1.22	1.24	1.26	1.6%
Other	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.3%
Total	5.14	5.11	5.35	5.36	5.44	5.51	5.57	5.65	5.71	5.76	5.83	5.89	5.94	6.00	6.06	6.12	6.19	6.25	6.31	6.37	6.42	6.49	1.1%
Sales to Utilities	0.28	0.63	0.68	0.73	0.78	0.83	0.87	0.92	0.97	1.02	1.07	1.13	1.18	1.23	1.29	1.34	1.40	1.46	1.52	1.58	1.64	1.70	8.9%
Generation for Own Use	4.85	4.48	4.67	4.63	4.66	4.68	4.70	4.72	4.74	4.74	4.76	4.77	4.77	4.77	4.77	4.78	4.79	4.79	4.79	4.79	4.79	4.79	-0.1%
End-Use Prices																							
(1999 cents per kilowatthour)																							
Residential	7.3	6.9	6.9	6.7	6.5	6.5	6.5	6.5	6.4	6.5	6.5	6.5	6.4	6.4	6.4	6.5	6.6	6.6	6.6	6.6	6.5	6.5	-0.5%
Commercial	6.5	6.2	6.0	5.8	5.7	5.6	5.6	5.6	5.5	5.5	5.6	5.6	5.4	5.4	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	-0.8%
Industrial	4.4	4.1	4.1	3.9	3.8	3.8	3.8	3.8	3.7	3.7	3.8	3.8	3.7	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.6	-0.9%
Transportation	5.5	5.5	5.3	5.2	5.1	5.0	4.9	4.9	4.9	4.9	4.9	4.8	4.7	4.6	4.6	4.6	4.5	4.4	4.4	4.4	4.3	4.2	-1.2%
All Sectors Average	5.9	5.6	5.5	5.4	5.2	5.2	5.2	5.2	5.1	5.2	5.2	5.2	5.1	5.0	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.1	-0.7%

**Table 63. Electric Power Projections for EMM Region (3 of 3)
Mid-Century Area Power Pool**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Prices by Service Category (1999 cents per kilowatthour)																							
Generation	3.3	2.9	2.9	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.7	2.5	2.5	2.5	2.6	2.7	2.7	2.7	2.7	2.7	2.7	-1.0%
Transmission	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	-0.3%
Distribution	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	-0.3%
Fuel Consumption (quadrillion Btu) 8/																							
Coal	1.16	1.25	1.29	1.34	1.41	1.45	1.48	1.49	1.51	1.51	1.52	1.53	1.53	1.54	1.55	1.56	1.57	1.57	1.57	1.58	1.58	1.58	1.5%
Natural Gas	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.05	0.06	0.08	0.11	0.15	0.20	0.22	0.24	0.25	0.26	0.28	13.7%
Oil	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	-1.6%
Total	1.19	1.27	1.32	1.36	1.43	1.47	1.50	1.51	1.54	1.54	1.56	1.58	1.60	1.62	1.66	1.71	1.77	1.80	1.82	1.84	1.85	1.87	2.2%
Emissions (million short tons) 9/																							
Total Carbon	33.78	36.36	37.75	39.02	41.00	42.04	42.92	43.22	43.94	44.16	44.56	44.95	45.29	45.69	46.39	47.45	48.51	49.01	49.34	49.68	49.90	50.23	1.9%
Carbon Dioxide	123.88	133.33	138.43	143.06	150.34	154.14	157.36	158.49	161.13	161.94	163.38	164.82	166.08	167.51	170.11	173.98	177.87	179.69	180.91	182.18	182.96	184.19	1.9%
Sulfur Dioxide	0.37	0.38	0.39	0.39	0.41	0.42	0.43	0.42	0.41	0.42	0.42	0.42	0.42	0.42	0.42	0.43	0.43	0.44	0.43	0.43	0.43	0.43	0.7%
Nitrogen Oxide	0.29	0.25	0.26	0.27	0.28	0.29	0.30	0.30	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.32	0.5%

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860B, "Annual Electric Generator Report - Nonutility." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

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

3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

5/ Cumulative additions after December 31, 1999.

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

7/ Generation to meet system load by source.

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

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

O&M = Operation and maintenance.

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1999 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Other 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 64. Electric Power Projections for EMM Region (1 of 3)
Northeast Power Coordinating Council/New York**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Generating Capability 1/ (gigawatts)																							
Coal Steam	4.82	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	-0.2%
Other Fossil Steam 2/	12.33	12.33	12.33	12.33	10.54	9.67	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	-1.8%
Combined Cycle	0.58	0.58	0.58	0.58	0.58	0.58	0.58	1.69	1.69	2.41	3.22	3.90	4.44	4.99	5.18	5.71	6.50	7.45	7.45	7.45	7.45	7.57	13.0%
Combustion Turbine/Diesel	3.71	3.71	3.71	3.71	3.71	3.46	5.24	5.24	5.88	6.51	6.51	6.83	6.83	6.83	6.92	7.02	7.05	7.05	7.05	7.05	7.05	7.05	3.1%
Nuclear Power	4.96	4.96	4.96	4.96	4.96	4.96	4.96	4.96	4.96	4.96	3.86	3.86	3.86	3.86	2.93	2.11	1.14	1.14	1.14	1.14	1.14	1.14	-6.8%
Pumped Storage/Other 3/	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	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	N/A
Renewable Sources 4/	4.58	4.59	4.67	4.81	4.88	4.95	5.07	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	0.6%
Total Capability	32.26	32.11	32.18	32.32	30.60	29.56	30.25	31.51	32.18	33.48	33.18	34.20	34.74	35.29	34.64	34.45	34.30	35.25	35.25	35.25	35.25	35.37	0.4%
Cumulative Planned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	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	N/A
Renewable Sources 4/	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	N/A
Total Planned Additions	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	N/A
Cumulative Unplanned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.11	1.11	1.83	2.64	3.32	3.86	4.41	4.60	5.13	5.92	6.87	6.87	6.87	6.87	6.87	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	1.77	1.77	2.42	3.04	3.04	3.37	3.37	3.37	3.46	3.56	3.59	3.59	3.59	3.59	3.59	3.59	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	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	N/A
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.00	0.00	1.85	2.96	3.63	4.99	5.79	6.81	7.35	7.90	8.18	8.81	9.63	10.58	10.58	10.58	10.58	10.70	N/A
Cumulative Total Additions	0.00	0.02	0.02	0.02	0.02	0.02	1.87	2.98	3.65	5.00	5.81	6.83	7.37	7.92	8.20	8.83	9.64	10.60	10.60	10.60	10.60	10.72	N/A
Cumulative Retirements	0.00	0.08	0.08	0.08	1.87	2.98	4.21	4.21	4.21	4.26	5.37	5.37	5.37	5.37	6.30	7.12	8.09	8.09	8.09	8.09	8.09	8.09	N/A
Cogenerators 6/ Capability																							
Coal	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	0.0%
Petroleum	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.0%
Natural Gas	4.13	4.13	4.14	4.14	4.16	4.18	4.19	4.21	4.22	4.23	4.24	4.25	4.27	4.28	4.29	4.30	4.31	4.32	4.34	4.35	4.37	4.38	0.3%
Other Gaseous Fuels	0.02	0.02	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	0.08	0.08	0.08	0.08	0.08	0.08	0.08	7.2%
Renewable Sources 4/	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	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.7%
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-10.0%
Total	4.74	4.75	4.79	4.80	4.82	4.83	4.85	4.87	4.89	4.90	4.91	4.93	4.94	4.96	4.97	4.98	5.00	5.01	5.03	5.05	5.06	5.08	0.3%

**Table 64. Electric Power Projections for EMM Region (2 of 3)
Northeast Power Coordinating Council/New York**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Demand (billion kilowatthours)																							
Residential	43.56	43.97	44.83	45.86	46.89	47.75	48.75	49.56	50.35	51.14	51.76	52.35	52.73	53.23	53.71	54.11	54.56	54.97	55.42	55.89	56.39	56.81	1.3%
Commercial/Other	61.78	63.26	65.05	66.75	68.07	69.18	70.73	72.20	73.57	75.08	76.23	77.19	78.14	79.02	79.81	80.46	80.98	81.46	81.83	82.20	82.48	82.49	1.4%
Industrial	25.55	25.72	25.97	26.47	26.61	26.62	26.82	27.15	27.48	27.77	28.05	28.42	28.62	28.88	29.10	29.41	29.80	30.13	30.44	30.70	31.04	31.36	1.0%
Transportation	0.90	0.91	0.93	0.95	1.07	1.18	1.27	1.36	1.44	1.51	1.59	1.66	1.73	1.79	1.86	1.92	1.94	1.92	1.88	1.85	1.81	1.77	3.2%
Total Sales	131.79	133.86	136.79	140.03	142.64	144.73	147.57	150.27	152.83	155.51	157.63	159.61	161.22	162.91	164.48	165.90	167.28	168.49	169.58	170.64	171.72	172.43	1.3%
Net Energy for Load (billion kilowatthours) 7/																							
Gross International Imports	9.83	12.31	14.38	16.60	17.58	14.78	14.86	16.24	13.01	12.86	12.48	9.54	9.72	5.03	4.54	3.80	2.28	3.46	4.23	4.98	4.78	4.91	-3.2%
Gross International Exports	1.42	1.45	1.46	1.47	1.49	1.50	1.51	1.52	1.53	1.54	1.56	1.57	1.56	1.56	1.56	1.56	1.56	1.55	1.55	1.55	1.55	1.55	0.4%
Gross Interregional Electricity Imports	17.12	16.17	15.09	14.74	14.51	17.31	17.25	16.43	17.93	14.90	13.82	14.93	13.54	14.94	14.99	15.45	16.55	16.20	16.64	16.57	17.70	17.94	0.2%
Gross Interregional Electricity Exports	19.45	17.18	12.34	12.90	13.13	11.29	11.89	11.36	9.36	8.05	7.28	6.51	5.59	5.67	4.97	3.98	3.91	3.92	2.89	1.71	1.38	1.39	-11.8%
Purchases from Cogenerators 6/	19.60	19.60	19.63	19.65	19.68	19.71	19.74	19.76	19.79	19.81	19.84	19.87	19.90	19.93	19.96	20.00	20.03	20.07	20.10	20.14	20.18	20.22	0.1%
Utility Generation for Customers	116.04	114.55	111.89	113.95	116.12	116.53	120.04	121.74	124.19	128.80	131.63	134.76	136.57	141.61	142.85	143.51	145.17	145.59	144.51	143.77	143.64	143.99	1.0%
Total Net Energy for Load	141.71	143.99	147.19	150.57	153.28	155.54	158.48	161.30	164.02	166.77	168.94	171.02	172.59	174.27	175.81	177.22	178.57	179.84	181.05	182.19	183.37	184.13	1.3%
Generation by Fuel Type (billion kilowatthours)																							
Coal	30.78	30.74	31.24	31.25	31.40	31.70	31.69	31.19	31.23	30.67	30.32	30.32	30.24	30.36	30.55	30.67	30.94	30.84	31.03	31.19	31.22	31.32	0.1%
Petroleum	15.58	10.27	9.04	5.36	4.70	4.51	2.11	1.39	1.06	0.58	0.45	0.56	0.43	0.57	0.52	0.57	0.84	0.80	0.69	0.74	0.78	0.81	-13.1%
Natural Gas	14.16	18.05	16.08	20.97	23.21	23.14	28.37	30.67	33.23	38.77	43.27	52.59	54.63	59.41	61.58	67.37	74.89	82.09	80.94	79.98	79.78	80.02	8.6%
Nuclear	35.96	37.08	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	35.15	28.70	28.70	28.70	27.63	22.34	15.93	9.29	9.29	9.29	9.29	9.29	-6.2%
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	19.80	18.65	19.33	20.17	20.61	20.97	21.66	22.28	22.44	22.55	22.66	22.79	22.77	22.78	22.78	22.77	22.78	22.77	22.77	22.77	22.77	22.76	0.7%
Total Generation	116.28	114.79	112.13	114.20	116.36	116.77	120.28	121.98	124.43	129.04	131.87	135.00	136.82	141.85	143.09	143.75	145.41	145.83	144.75	144.01	143.88	144.24	1.0%
Sales to Customers	116.04	114.55	111.89	113.95	116.12	116.53	120.04	121.74	124.19	128.80	131.63	134.76	136.57	141.61	142.85	143.51	145.17	145.59	144.51	143.77	143.64	143.99	1.0%
Generation for Own Use	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	0.24	0.24	N/A
Cogenerators																							
Coal	1.41	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	0.0%
Petroleum	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.3%
Natural Gas	21.51	21.52	21.58	21.59	21.65	21.72	21.78	21.84	21.88	21.93	21.97	22.01	22.05	22.09	22.13	22.18	22.23	22.28	22.33	22.38	22.43	22.48	0.2%
Other Gaseous Fuels	0.13	0.13	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.22	0.22	0.23	0.23	0.23	0.24	0.24	0.25	0.25	0.26	0.26	0.26	0.27	3.3%
Renewable Sources 4/	0.93	0.92	0.92	0.92	0.93	0.94	0.95	0.97	0.98	0.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.07	1.08	1.08	1.09	1.10	0.8%
Other	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.3%
Total	24.48	24.49	24.64	24.65	24.73	24.81	24.88	24.96	25.02	25.07	25.13	25.18	25.24	25.29	25.35	25.40	25.47	25.53	25.60	25.66	25.72	25.78	0.2%
Sales to Utilities	19.60	19.60	19.63	19.65	19.68	19.71	19.74	19.76	19.79	19.81	19.84	19.87	19.90	19.93	19.96	20.00	20.03	20.07	20.10	20.14	20.18	20.22	0.1%
Generation for Own Use	4.88	4.89	5.01	5.00	5.05	5.10	5.15	5.19	5.23	5.26	5.29	5.32	5.34	5.36	5.38	5.41	5.44	5.47	5.49	5.52	5.54	5.57	0.6%
End-Use Prices (1999 cents per kilowatthour)																							
Residential	13.0	12.8	13.3	12.7	12.2	12.1	11.8	11.5	11.3	11.1	11.2	11.3	11.3	11.3	11.4	11.5	11.6	11.6	11.6	11.7	11.7	11.7	-0.5%
Commercial	11.3	11.0	11.2	10.3	9.7	9.5	9.0	8.4	8.1	7.5	7.3	7.4	7.3	7.3	7.3	7.4	7.5	7.6	7.6	7.7	7.7	7.8	-1.7%
Industrial	4.9	5.0	5.3	4.9	4.8	4.9	4.7	4.5	4.4	4.2	4.1	4.2	4.2	4.2	4.2	4.3	4.4	4.5	4.5	4.6	4.6	4.7	-0.1%
Transportation	8.5	8.9	8.4	8.0	7.8	7.6	7.4	7.2	7.0	6.9	7.0	6.9	6.9	6.9	6.9	7.0	6.9	6.9	6.9	6.9	6.9	6.9	-1.0%
All Sectors Average	10.6	10.4	10.7	10.0	9.6	9.5	9.1	8.7	8.5	8.1	8.0	8.1	8.0	8.1	8.1	8.2	8.3	8.3	8.4	8.4	8.5	8.5	-1.0%

**Table 64. Electric Power Projections for EMM Region (3 of 3)
Northeast Power Coordinating Council/New York**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Prices by Service Category (1999 cents per kilowatthour)																							
Generation	5.8	5.5	5.9	5.2	4.9	4.8	4.4	3.9	3.6	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.8	-2.0%
Transmission	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	-0.3%
Distribution	3.3	3.4	3.4	3.4	3.4	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0%
Fuel Consumption (quadrillion Btu) 8/																							
Coal	0.31	0.31	0.32	0.32	0.32	0.32	0.32	0.31	0.32	0.31	0.30	0.30	0.30	0.31	0.31	0.31	0.31	0.31	0.31	0.32	0.32	0.32	0.1%
Natural Gas	0.15	0.19	0.17	0.22	0.24	0.24	0.28	0.28	0.30	0.33	0.36	0.43	0.44	0.47	0.48	0.53	0.58	0.63	0.62	0.61	0.60	0.60	7.0%
Oil	0.16	0.11	0.10	0.06	0.05	0.05	0.02	0.01	0.01	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-13.2%
Total	0.62	0.61	0.58	0.59	0.61	0.61	0.62	0.61	0.62	0.64	0.66	0.74	0.74	0.78	0.80	0.84	0.90	0.95	0.94	0.93	0.93	0.93	1.9%
Emissions (million short tons) 9/																							
Total Carbon	14.84	14.26	13.76	13.69	13.96	13.97	13.93	13.53	13.81	14.00	14.27	15.45	15.51	16.13	16.43	17.14	18.18	18.87	18.73	18.64	18.64	18.68	1.1%
Carbon Dioxide	54.40	52.27	50.44	50.20	51.18	51.21	51.08	49.61	50.65	51.35	52.31	56.66	56.89	59.14	60.24	62.83	66.65	69.18	68.68	68.36	68.36	68.51	1.1%
Sulfur Dioxide	0.38	0.29	0.28	0.25	0.24	0.23	0.22	0.21	0.20	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.20	-3.1%
Nitrogen Oxide	0.10	0.09	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	-1.5%

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860B, "Annual Electric Generator Report - Nonutility." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

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

3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

5/ Cumulative additions after December 31, 1999.

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

7/ Generation to meet system load by source.

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

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

O&M = Operation and maintenance.

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1999 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Other 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 65. Electric Power Projections for EMM Region (1 of 3)
Northeast Power Coordinating Council/New England**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Supply and Demand																							
Electricity Generating Capability 1/ (gigawatts)																							
Coal Steam	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	N/A
Other Fossil Steam 2/	7.80	7.80	7.80	7.80	6.95	6.95	6.95	6.95	6.95	6.41	6.41	6.41	6.41	6.41	6.41	6.38	6.38	6.38	6.38	6.38	6.38	6.38	-0.9%
Combined Cycle	1.91	4.65	4.65	4.65	4.65	5.17	5.83	6.40	7.36	8.38	9.09	9.45	9.96	10.55	11.51	12.02	12.54	13.76	14.21	14.69	15.00	15.00	10.3%
Combustion Turbine/Diesel	2.72	2.68	2.57	2.64	2.79	3.20	3.19	4.00	4.00	4.57	4.57	4.57	4.57	4.57	4.57	4.64	4.64	4.75	4.80	5.14	5.14	5.14	3.1%
Nuclear Power	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	3.15	3.15	3.15	1.16	1.16	1.16	1.16	1.16	-6.1%
Pumped Storage/Other 3/	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
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	3.30	3.30	3.30	3.30	3.34	3.40	3.43	3.48	3.54	3.59	3.64	3.70	3.70	3.70	3.70	3.70	3.74	3.74	3.74	3.74	3.74	3.74	0.6%
Total Capability	22.75	25.46	25.35	25.42	24.76	25.78	26.47	27.93	28.95	30.08	30.85	31.26	31.78	31.21	32.16	32.71	31.29	32.63	33.15	33.98	34.29	34.29	2.0%
Cumulative Planned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Combined Cycle	0.00	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.01	0.04	0.07	0.11	0.16	0.21	0.27	0.32	0.37	0.37	0.37	0.37	0.37	0.42	0.42	0.42	0.42	0.42	0.42	N/A
Total Planned Additions	0.00	2.74	2.74	2.75	2.78	2.82	2.85	2.90	2.96	3.01	3.06	3.12	3.12	3.12	3.12	3.12	3.16	3.16	3.16	3.16	3.16	3.16	N/A
Cumulative Unplanned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.52	1.18	1.75	2.71	3.73	4.44	4.80	5.30	5.90	6.85	7.36	7.89	9.11	9.55	10.03	10.35	10.35	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.07	0.21	0.63	0.63	1.44	1.44	2.01	2.01	2.01	2.01	2.01	2.01	2.08	2.08	2.19	2.24	2.58	2.58	2.58	N/A
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	N/A
Total Unplanned Additions	0.00	0.00	0.00	0.07	0.23	1.22	1.88	3.29	4.25	5.87	6.58	6.94	7.45	8.05	9.00	9.58	10.11	11.45	11.97	12.80	13.11	13.11	N/A
Cumulative Total Additions	0.00	2.74	2.74	2.82	3.01	4.04	4.73	6.20	7.21	8.88	9.64	10.06	10.57	11.17	12.12	12.70	13.27	14.61	15.13	15.96	16.27	16.27	N/A
Cumulative Retirements	0.00	0.00	0.11	0.11	0.96	0.97	0.98	0.98	0.98	1.51	1.51	1.51	1.51	2.67	2.67	2.70	4.69	4.69	4.69	4.69	4.69	4.69	N/A
Cogenerators 6/ Capability																							
Coal	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%
Petroleum	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%
Natural Gas	1.60	1.92	1.93	1.93	1.95	1.97	1.98	1.99	2.00	2.01	2.03	2.04	2.04	2.05	2.06	2.07	2.09	2.10	2.11	2.12	2.14	2.15	1.4%
Other Gaseous Fuels	0.09	0.09	0.27	0.27	0.27	0.28	0.28	0.28	0.29	0.29	0.30	0.31	0.31	0.32	0.32	0.33	0.34	0.34	0.35	0.36	0.36	0.36	7.2%
Renewable Sources 4/	0.80	0.80	0.80	0.80	0.82	0.84	0.85	0.87	0.89	0.91	0.93	0.95	0.96	0.98	0.99	1.01	1.02	1.04	1.05	1.06	1.07	1.08	1.5%
Other	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	-10.0%
Total	3.54	3.86	4.03	4.04	4.08	4.11	4.15	4.19	4.22	4.25	4.29	4.32	4.35	4.39	4.42	4.44	4.48	4.51	4.54	4.57	4.60	4.63	1.3%

**Table 65. Electric Power Projections for EMM Region (2 of 3)
Northeast Power Coordinating Council/New England**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Demand (billion kilowatthours)																							
Residential	41.11	41.50	42.22	43.47	44.63	45.87	47.01	48.20	49.21	50.36	51.23	52.07	52.58	53.11	53.68	54.28	54.78	55.26	55.83	56.55	57.13	57.61	1.6%
Commercial/Other	46.55	47.68	49.23	50.66	51.72	52.78	53.83	54.99	56.08	57.28	58.33	59.23	60.13	60.89	61.63	62.33	62.78	63.27	63.71	64.15	64.51	64.72	1.6%
Industrial	26.29	26.45	26.61	27.07	27.15	27.10	27.32	27.65	27.92	28.21	28.46	28.75	28.95	29.20	29.49	29.82	30.20	30.53	30.86	31.16	31.54	31.91	0.9%
Transportation	0.78	0.79	0.81	0.83	0.94	1.04	1.13	1.21	1.28	1.36	1.43	1.50	1.57	1.63	1.70	1.76	1.78	1.76	1.74	1.71	1.67	1.64	3.6%
Total Sales	114.74	116.41	118.87	122.03	124.44	126.80	129.29	132.05	134.50	137.20	139.45	141.55	143.23	144.84	146.50	148.18	149.55	150.82	152.14	153.57	154.85	155.88	1.5%
Net Energy for Load (billion kilowatthours) 7/																							
Gross International Imports	14.93	10.26	11.17	10.69	9.82	9.32	9.65	9.68	9.66	9.20	8.99	8.57	8.09	8.20	7.48	6.21	7.59	6.66	5.89	5.28	5.81	5.92	-4.3%
Gross International Exports	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Gross Interregional Electricity Imports	12.61	12.68	7.92	9.66	10.78	9.06	10.08	9.63	7.76	6.46	5.72	5.10	4.33	4.55	4.00	3.17	3.24	3.39	2.51	1.49	1.24	1.30	-10.2%
Gross Interregional Electricity Exports	0.00	0.24	0.01	0.00	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.27	0.39	0.43	N/A
Purchases from Cogenerators 6/	11.36	12.36	13.41	13.56	13.83	13.74	13.56	12.95	12.89	12.41	12.30	12.49	12.41	12.58	12.67	12.71	12.99	13.11	13.12	13.16	13.19	13.36	0.8%
Utility Generation for Customers	86.42	91.81	96.88	98.84	100.88	105.64	107.11	111.06	115.52	120.57	123.95	127.02	130.01	131.12	133.93	137.65	137.27	139.30	142.34	145.67	146.85	147.63	2.6%
Total Net Energy for Load	125.11	126.87	129.36	132.75	135.31	137.75	140.40	143.30	145.82	148.63	150.96	153.17	154.83	156.44	158.08	159.74	161.08	162.45	163.83	165.33	166.70	167.79	1.4%
Generation by Fuel Type (billion kilowatthours)																							
Coal	8.10	8.66	8.98	9.33	9.64	9.72	10.20	10.11	10.19	9.92	9.71	9.68	9.61	9.73	9.71	9.77	9.92	9.81	9.93	9.92	9.93	10.11	1.1%
Petroleum	20.41	10.80	10.31	9.14	10.71	8.48	6.37	4.05	3.22	1.76	1.37	1.22	1.11	1.30	1.25	1.20	1.42	1.31	1.45	1.19	1.21	1.36	-12.1%
Natural Gas	17.01	30.79	36.39	38.97	38.77	45.25	48.15	54.22	59.19	65.69	69.45	72.48	75.56	80.37	87.30	90.97	96.11	106.27	109.04	112.63	113.78	114.23	9.5%
Nuclear	29.99	31.05	30.55	30.65	30.74	30.83	30.93	31.02	31.06	31.08	31.11	31.13	31.15	27.15	23.09	23.11	17.12	9.15	9.15	9.15	9.15	9.15	-5.5%
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	12.07	11.68	11.80	11.93	12.02	12.35	12.48	12.65	12.85	13.04	13.23	13.43	13.49	13.49	13.49	13.49	13.60	13.65	13.65	13.64	13.64	13.65	0.6%
Total Generation	87.57	92.97	98.04	100.00	101.88	106.65	108.13	112.07	116.53	121.54	124.91	127.98	130.97	132.08	134.90	138.59	138.21	140.24	143.28	146.61	147.80	148.57	2.5%
Sales to Customers	86.42	91.81	96.88	98.84	100.88	105.64	107.11	111.06	115.52	120.57	123.95	127.02	130.01	131.12	133.93	137.65	137.27	139.30	142.34	145.67	146.85	147.63	2.6%
Generation for Own Use	1.15	1.16	1.16	1.17	1.01	1.01	1.01	1.01	1.01	0.97	0.97	0.97	0.97	0.97	0.97	0.94	0.94	0.94	0.94	0.94	0.94	0.94	-1.0%
Cogenerators																							
Coal	2.74	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	0.0%
Petroleum	1.44	1.53	1.90	1.83	1.90	1.81	1.78	1.66	1.64	1.62	1.62	1.63	1.62	1.63	1.63	1.64	1.65	1.65	1.66	1.66	1.66	1.67	0.7%
Natural Gas	10.78	11.84	12.55	12.70	12.96	13.01	12.89	12.42	12.39	11.93	11.81	11.97	11.88	12.02	12.08	12.09	12.34	12.44	12.43	12.45	12.44	12.57	0.7%
Other Gaseous Fuels	0.75	0.75	1.11	1.11	1.14	1.15	1.16	1.18	1.20	1.21	1.25	1.26	1.28	1.31	1.33	1.35	1.38	1.40	1.42	1.45	1.46	1.49	3.3%
Renewable Sources 4/	4.39	4.29	4.32	4.35	4.44	4.52	4.62	4.72	4.82	4.92	5.01	5.10	5.17	5.25	5.35	5.42	5.51	5.59	5.66	5.73	5.79	5.87	1.4%
Other	0.33	0.34	0.35	0.35	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.3%
Total	20.43	21.52	23.01	23.12	23.56	23.62	23.58	23.11	23.18	22.80	22.81	23.10	23.09	23.34	23.52	23.63	24.01	24.21	24.29	24.41	24.49	24.73	0.9%
Sales to Utilities	11.36	12.36	13.41	13.56	13.83	13.74	13.56	12.95	12.89	12.41	12.30	12.49	12.41	12.58	12.67	12.71	12.99	13.11	13.12	13.16	13.19	13.36	0.8%
Generation for Own Use	9.07	9.16	9.60	9.56	9.73	9.87	10.01	10.16	10.28	10.39	10.51	10.61	10.68	10.76	10.84	10.92	11.02	11.10	11.17	11.25	11.30	11.37	1.1%
End-Use Prices (1999 cents per kilowatthour)																							
Residential	11.2	11.5	11.9	11.3	11.0	10.7	10.5	10.1	10.0	9.7	9.7	9.8	9.8	9.8	9.9	9.9	10.1	10.1	10.0	10.0	10.0	10.0	-0.7%
Commercial	9.5	10.2	10.2	9.6	9.3	8.8	8.4	7.9	7.5	6.9	6.7	6.7	6.6	6.6	6.6	6.6	6.8	6.8	6.8	6.7	6.6	6.7	-2.1%
Industrial	7.5	7.8	7.8	7.2	7.0	6.6	6.3	5.8	5.5	5.0	4.9	4.9	4.8	4.8	4.8	4.8	5.0	5.0	5.0	5.0	5.0	5.1	-2.0%
Transportation	7.7	7.9	7.5	7.1	6.9	6.7	6.5	6.3	6.2	6.0	6.1	6.0	6.1	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.0	6.0	-1.1%
All Sectors Average	9.6	10.1	10.2	9.6	9.4	9.0	8.7	8.2	8.0	7.5	7.4	7.4	7.4	7.4	7.4	7.4	7.6	7.6	7.6	7.5	7.5	7.6	-1.4%

**Table 65. Electric Power Projections for EMM Region (3 of 3)
Northeast Power Coordinating Council/New England**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Prices by Service Category (1999 cents per kilowatthour)																							
Generation	5.7	5.9	6.1	5.5	5.3	4.9	4.6	4.1	3.8	3.3	3.2	3.2	3.1	3.2	3.2	3.2	3.4	3.4	3.4	3.3	3.3	3.5	-2.7%
Transmission	0.9	1.0	1.0	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.6%
Distribution	3.0	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.2	3.1	3.2	3.1	3.1	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	-0.2%
Fuel Consumption (quadrillion Btu) 8/																							
Coal	0.09	0.09	0.09	0.10	0.10	0.10	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	0.11	1.0%
Natural Gas	0.18	0.31	0.34	0.37	0.37	0.42	0.43	0.47	0.50	0.53	0.55	0.57	0.59	0.62	0.67	0.69	0.73	0.79	0.81	0.83	0.83	0.84	7.7%
Oil	0.22	0.12	0.11	0.10	0.11	0.09	0.07	0.04	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	-12.6%
Total	0.48	0.51	0.54	0.56	0.58	0.61	0.61	0.62	0.63	0.65	0.67	0.69	0.70	0.74	0.78	0.80	0.84	0.91	0.93	0.94	0.95	0.96	3.3%
Emissions (million short tons) 9/																							
Total Carbon	10.37	10.11	10.59	10.85	11.30	11.60	11.41	11.38	11.62	11.73	11.91	12.20	12.44	13.03	13.72	14.06	14.77	15.78	16.09	16.31	16.40	16.57	2.3%
Carbon Dioxide	38.04	37.06	38.84	39.78	41.45	42.55	41.85	41.74	42.60	43.00	43.66	44.73	45.62	47.79	50.31	51.55	54.15	57.87	58.99	59.81	60.14	60.75	2.3%
Sulfur Dioxide	0.21	0.14	0.13	0.12	0.13	0.11	0.10	0.08	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	-5.8%
Nitrogen Oxide	0.06	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	-1.4%

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860B, "Annual Electric Generator Report - Nonutility." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

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

3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

5/ Cumulative additions after December 31, 1999.

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

7/ Generation to meet system load by source.

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

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

O&M = Operation and maintenance.

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1999 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Other 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 66. Electric Power Projections for EMM Region (1 of 3)
Southeastern Electric Reliability Council/Florida**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Generating Capability 1/ (gigawatts)																							
Coal Steam	10.25	10.38	10.38	10.38	10.38	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	-0.5%
Other Fossil Steam 2/	14.13	13.72	13.72	13.72	13.31	13.24	13.24	13.24	13.24	13.24	12.89	12.76	12.76	12.76	12.76	12.76	12.76	12.76	12.26	12.02	12.02	12.02	-0.8%
Combined Cycle	4.25	4.31	4.31	4.76	4.76	6.68	8.14	9.63	11.11	12.01	13.68	15.25	16.50	17.84	19.24	20.48	21.48	22.79	24.05	25.02	26.03	26.89	9.2%
Combustion Turbine/Diesel	5.73	6.17	6.44	6.50	6.80	7.12	7.03	7.13	7.90	8.30	8.43	8.88	9.58	10.04	10.61	10.66	11.73	11.73	11.73	12.27	12.27	12.27	3.7%
Nuclear Power	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.19	2.50	2.50	2.50	1.68	1.68	1.68	1.68	1.68	-3.9%
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Renewable Sources 4/	0.57	0.57	0.57	0.57	0.57	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.2%
Total Capability	38.82	39.04	39.32	39.83	39.73	40.80	42.18	43.75	46.04	47.41	49.21	50.94	52.82	54.00	55.33	56.62	58.75	59.24	60.01	61.32	62.32	63.18	2.3%
Cumulative Planned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Combined Cycle	0.00	0.00	0.00	0.46	0.46	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	N/A
Combustion Turbine/Diesel	0.00	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
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	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	0.25	0.25	0.70	0.70	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	N/A
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	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.44	1.90	3.39	4.87	5.77	7.44	9.01	10.26	11.60	13.00	14.24	15.24	16.55	17.81	18.78	19.79	20.65	N/A
Combustion Turbine/Diesel	0.00	0.00	0.28	0.34	0.64	1.10	1.10	1.20	1.97	2.40	2.53	3.25	4.05	4.51	5.07	5.13	6.20	6.20	6.20	6.74	6.74	6.74	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	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	N/A
Total Unplanned Additions	0.00	0.00	0.28	0.34	0.66	1.63	3.10	4.67	6.96	8.36	10.16	12.50	14.61	16.49	18.51	19.80	21.93	23.24	24.51	26.06	27.06	27.92	N/A
Cumulative Total Additions	0.00	0.25	0.53	1.05	1.36	3.81	5.28	6.85	9.14	10.54	12.34	14.68	16.79	18.67	20.69	21.98	24.11	25.42	26.69	28.24	29.24	30.10	N/A
Cumulative Retirements	0.00	0.21	1.37	1.38	1.79	3.18	3.26	3.26	3.26	3.29	3.29	3.91	4.14	4.83	5.52	5.52	5.52	6.35	6.85	7.08	7.08	7.08	N/A
Cogenerators 6/ Capability																							
Coal	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	N/A
Petroleum	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%
Natural Gas	1.22	1.22	1.23	1.23	1.24	1.26	1.27	1.28	1.29	1.30	1.31	1.32	1.32	1.33	1.34	1.35	1.36	1.37	1.38	1.39	1.40	1.41	0.7%
Other Gaseous Fuels	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	0.02	0.02	0.02	0.02	0.02	0.02	7.2%
Renewable Sources 4/	0.29	0.29	0.29	0.29	0.30	0.31	0.32	0.33	0.35	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.43	0.44	0.45	0.46	0.47	2.3%
Other	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10.0%
Total	2.41	2.41	2.38	2.38	2.40	2.43	2.45	2.47	2.50	2.52	2.54	2.56	2.57	2.59	2.61	2.63	2.65	2.67	2.69	2.70	2.72	2.74	0.6%

**Table 66. Electric Power Projections for EMM Region (3 of 3)
Southeastern Electric Reliability Council/Florida**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Prices by Service Category (1999 cents per kilowatthour)																							
Generation	4.4	4.8	4.8	4.5	4.3	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	-0.4%
Transmission	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.6%
Distribution	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.1%
Fuel Consumption (quadrillion Btu) 8/																							
Coal	0.63	0.67	0.68	0.70	0.73	0.66	0.68	0.68	0.68	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.3%
Natural Gas	0.26	0.35	0.37	0.43	0.47	0.58	0.60	0.63	0.68	0.70	0.74	0.80	0.85	0.91	0.98	1.02	1.08	1.12	1.19	1.22	1.26	1.29	8.0%
Oil	0.26	0.22	0.22	0.17	0.16	0.13	0.11	0.09	0.07	0.06	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.04	0.04	-8.7%
Total	1.15	1.24	1.27	1.31	1.35	1.37	1.38	1.40	1.42	1.43	1.46	1.51	1.56	1.62	1.68	1.73	1.78	1.83	1.89	1.93	1.97	2.00	2.7%
Emissions (million short tons) 9/																							
Total Carbon	27.85	29.53	30.17	30.65	31.55	30.95	31.08	31.24	31.49	31.55	31.91	32.68	33.40	34.32	35.39	36.05	36.94	37.63	38.70	39.36	39.99	40.48	1.8%
Carbon Dioxide	102.11	108.28	110.61	112.37	115.67	113.48	113.97	114.56	115.45	115.69	117.02	119.83	122.45	125.86	129.76	132.18	135.44	137.99	141.89	144.33	146.63	148.43	1.8%
Sulfur Dioxide	0.47	0.34	0.31	0.29	0.30	0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	-4.2%
Nitrogen Oxide	0.23	0.20	0.21	0.21	0.21	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	-1.2%

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860B, "Annual Electric Generator Report - Nonutility." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

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

3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

5/ Cumulative additions after December 31, 1999.

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

7/ Generation to meet system load by source.

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

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

O&M = Operation and maintenance.

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1999 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Other 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 67. Electric Power Projections for EMM Region (1 of 3)
Southeastern Electric Reliability Council/Excluding Florida**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Supply and Demand																							
Electricity Generating Capability 1/ (gigawatts)																							
Coal Steam	70.41	70.59	70.79	70.79	70.79	70.12	69.35	71.05	71.53	71.53	71.53	71.53	71.53	71.53	71.53	71.00	71.00	71.00	71.00	70.63	70.82	71.10	0.0%
Other Fossil Steam 2/	19.27	19.30	19.30	19.27	19.27	19.24	19.24	19.21	19.21	19.16	19.16	19.12	18.59	17.46	17.40	17.00	17.00	17.00	16.91	16.91	16.80	16.80	-0.7%
Combined Cycle	2.80	4.42	4.42	4.42	4.42	4.42	8.32	11.46	15.47	19.76	24.87	28.44	30.57	32.83	35.67	40.84	41.93	43.67	45.75	48.77	50.75	52.39	15.0%
Combustion Turbine/Diesel	14.83	15.11	16.53	18.31	21.39	22.59	22.64	22.85	23.29	24.06	24.55	25.31	26.71	27.38	29.55	29.39	31.63	33.03	34.00	35.72	37.32	38.23	4.6%
Nuclear Power	31.84	31.84	31.86	31.86	31.86	31.86	31.86	31.86	31.86	31.86	31.86	31.86	31.86	31.86	30.80	30.80	30.80	30.80	29.98	29.98	29.98	29.98	-0.4%
Pumped Storage/Other 3/	6.68	6.68	6.72	6.76	6.80	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	0.1%
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	11.92	11.93	11.93	11.93	11.93	11.97	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.06	12.08	0.1%
Total Capability	157.75	159.88	161.55	163.35	166.47	167.04	170.28	175.38	180.39	185.47	191.14	195.50	198.57	200.45	204.40	208.48	211.88	215.10	217.30	221.73	225.48	227.67	1.8%
Cumulative Planned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Other Fossil Steam 2/	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
Combined Cycle	0.00	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	1.62	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	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	N/A
Renewable Sources 4/	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	N/A
Total Planned Additions	0.00	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	N/A
Cumulative Unplanned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.56	2.27	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	2.86	3.01	3.21	3.48	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	3.90	7.03	11.05	15.34	20.44	24.02	26.14	28.41	31.25	36.41	37.51	39.25	41.33	44.34	46.32	47.97	N/A
Combustion Turbine/Diesel	0.00	0.28	1.70	3.52	6.63	8.40	8.77	9.07	9.51	10.36	10.86	11.92	13.32	14.03	16.20	16.59	18.83	20.23	21.20	22.92	24.52	25.43	N/A
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.04	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	0.12	0.15	N/A
Total Unplanned Additions	0.00	0.28	1.70	3.52	6.63	8.44	13.32	18.54	23.66	28.88	34.55	39.26	42.86	45.91	50.98	56.55	59.95	63.17	66.28	71.24	75.10	77.97	N/A
Cumulative Total Additions	0.00	1.99	3.41	5.22	8.34	10.15	15.03	20.25	25.37	30.59	36.26	40.97	44.57	47.62	52.69	58.26	61.66	64.88	67.98	72.95	76.81	79.68	N/A
Cumulative Retirements	0.00	0.05	1.24	1.30	1.34	2.61	4.25	4.36	4.47	4.61	4.61	4.95	5.48	6.65	7.78	9.26	9.26	9.26	10.17	10.70	10.81	11.50	N/A
Cogenerators 6/ Capability																							
Coal	2.00	2.00	2.00	2.00	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	1.1%
Petroleum	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.0%
Natural Gas	4.90	4.94	5.32	5.36	5.88	6.13	6.34	6.54	6.71	6.86	7.02	7.17	7.32	7.47	7.61	7.76	7.94	8.12	8.31	8.50	8.68	8.85	2.9%
Other Gaseous Fuels	0.07	0.07	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.27	0.27	0.28	0.28	0.29	0.29	0.30	0.30	0.31	0.31	0.32	7.2%
Renewable Sources 4/	3.36	3.36	3.36	3.37	3.47	3.57	3.68	3.81	3.93	4.04	4.15	4.26	4.34	4.43	4.53	4.61	4.70	4.78	4.86	4.93	5.00	5.08	2.0%
Other	0.07	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-10.0%
Total	11.00	11.04	11.53	11.57	12.71	13.05	13.38	13.71	14.00	14.27	14.55	14.81	15.04	15.28	15.53	15.77	16.05	16.32	16.59	16.86	17.11	17.37	2.2%

**Table 67. Electric Power Projections for EMM Region (3 of 3)
Southeastern Electric Reliability Council/Excluding Florida**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Prices by Service Category (1999 cents per kilowatthour)																							
Generation	3.5	3.6	3.5	3.4	3.4	3.4	3.3	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	-0.3%
Transmission	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2%
Distribution	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.4%
Fuel Consumption (quadrillion Btu) 8/																							
Coal	4.14	4.31	4.47	4.60	4.76	4.83	4.90	4.98	5.02	5.04	5.02	5.03	5.04	5.06	5.08	5.05	5.07	5.07	5.09	5.08	5.10	5.14	1.0%
Natural Gas	0.61	0.50	0.55	0.60	0.67	0.69	0.70	0.74	0.82	0.92	1.06	1.20	1.28	1.36	1.48	1.63	1.71	1.78	1.86	1.96	2.02	2.11	6.1%
Oil	0.20	0.11	0.10	0.07	0.05	0.04	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	-10.6%
Total	4.95	4.92	5.12	5.28	5.48	5.56	5.63	5.75	5.86	5.98	6.10	6.24	6.34	6.44	6.57	6.70	6.79	6.87	6.97	7.05	7.13	7.26	1.8%
Emissions (million short tons) 9/																							
Total Carbon	129.94	131.35	136.77	140.80	145.91	148.03	149.87	152.70	154.89	157.05	158.89	161.09	162.93	164.71	167.10	168.84	170.53	171.79	173.72	174.99	176.51	178.99	1.5%
Carbon Dioxide	476.44	481.60	501.48	516.28	535.01	542.77	549.53	559.89	567.91	575.84	582.61	590.65	597.41	603.94	612.70	619.07	625.29	629.91	636.98	641.63	647.20	656.29	1.5%
Sulfur Dioxide	3.46	3.42	3.33	3.37	3.32	3.32	3.31	3.32	3.30	3.17	3.21	3.14	3.11	3.17	3.19	3.12	3.10	3.00	3.00	2.99	2.98	3.00	-0.7%
Nitrogen Oxide	1.37	1.03	1.06	1.10	1.03	0.97	0.94	0.93	0.93	0.93	0.93	0.93	0.93	0.94	0.94	0.94	0.94	0.94	0.95	0.95	0.95	0.96	-1.7%

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860B, "Annual Electric Generator Report - Nonutility." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

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

3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

5/ Cumulative additions after December 31, 1999.

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

7/ Generation to meet system load by source.

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

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

O&M = Operation and maintenance.

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1999 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Other 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 68. Electric Power Projections for EMM Region (1 of 3)
Southwest Power Pool**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Generating Capability 1/ (gigawatts)																							
Coal Steam	21.08	21.08	21.08	21.08	19.94	19.94	19.94	20.09	20.01	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	-0.4%
Other Fossil Steam 2/	14.14	14.04	13.96	13.87	13.57	13.14	11.84	11.23	10.92	10.89	10.89	10.89	10.89	10.87	10.87	10.87	10.87	10.87	10.87	10.87	10.87	10.87	-1.2%
Combined Cycle	1.51	1.51	2.43	2.43	2.43	2.43	2.43	2.71	3.92	5.32	6.13	7.06	7.67	8.46	8.74	9.03	9.21	9.26	9.55	9.73	10.24	10.75	9.8%
Combustion Turbine/Diesel	4.51	4.47	4.47	4.47	4.31	4.65	6.19	6.61	7.22	7.36	8.22	8.22	8.70	8.70	9.01	9.08	9.39	9.80	10.32	10.94	11.60	11.91	4.7%
Nuclear Power	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	N/A
Pumped Storage/Other 3/	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	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	N/A
Renewable Sources 4/	2.55	2.55	2.55	2.55	2.56	2.56	2.56	2.57	2.57	2.57	2.57	2.58	2.58	2.59	2.59	2.60	2.60	2.61	2.61	2.62	2.62	2.63	0.1%
Total Capability	45.47	45.33	46.17	46.08	44.48	44.39	44.64	44.88	46.30	47.34	49.01	49.94	51.06	51.85	52.46	52.82	53.33	53.82	54.64	55.47	56.64	57.47	1.1%
Cumulative Planned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Combined Cycle	0.00	0.00	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	0.00	0.00	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	N/A
Cumulative Unplanned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	1.49	2.88	3.70	4.62	5.23	6.03	6.30	6.59	6.77	6.83	7.11	7.30	7.80	8.32	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.34	1.93	2.47	3.07	3.22	4.07	4.07	4.56	4.56	4.87	4.94	5.25	5.66	6.18	6.79	7.46	7.77	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	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.07	0.07	N/A
Total Unplanned Additions	0.00	0.00	0.00	0.00	0.00	0.34	1.94	2.91	5.17	6.72	8.39	9.32	10.44	11.24	11.85	12.21	12.73	13.22	14.04	14.86	16.04	16.87	N/A
Cumulative Total Additions	0.00	0.00	0.92	0.92	0.93	1.26	2.86	3.83	6.10	7.64	9.32	10.24	11.36	12.17	12.78	13.14	13.65	14.14	14.96	15.79	16.96	17.79	N/A
Cumulative Retirements	0.00	0.10	0.18	0.28	1.87	2.36	3.80	4.52	5.36	5.87	5.87	5.87	5.87	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	N/A
Cogenerators 6/ Capability																							
Coal	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.0%
Petroleum	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.0%
Natural Gas	0.70	0.70	0.72	0.72	0.74	0.76	0.78	0.79	0.81	0.82	0.83	0.85	0.86	0.87	0.88	0.89	0.91	0.92	0.94	0.96	0.97	0.99	1.6%
Other Gaseous Fuels	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	7.2%
Renewable Sources 4/	0.35	0.35	0.35	0.35	0.37	0.38	0.39	0.41	0.42	0.44	0.45	0.46	0.47	0.48	0.49	0.50	0.52	0.53	0.54	0.54	0.55	0.56	2.3%
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-10.0%
Total	1.56	1.56	1.58	1.58	1.61	1.65	1.68	1.71	1.74	1.77	1.79	1.82	1.84	1.86	1.89	1.91	1.94	1.96	1.99	2.01	2.04	2.06	1.3%

**Table 68. Electric Power Projections for EMM Region (2 of 3)
Southwest Power Pool**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Demand (billion kilowatthours)																							
Residential	56.30	56.82	58.26	60.04	61.58	63.11	64.75	65.83	67.13	68.55	70.20	71.89	73.11	74.51	75.88	77.09	78.38	79.61	80.91	82.19	83.60	84.95	2.0%
Commercial/Other	54.16	55.46	57.09	58.91	60.57	62.06	63.68	65.22	66.93	68.56	70.25	71.89	73.50	75.08	76.51	77.72	78.83	79.81	80.72	81.51	82.32	82.96	2.1%
Industrial	50.74	51.52	52.49	53.11	53.90	54.48	55.39	56.61	57.32	58.07	58.62	59.38	59.95	60.43	61.20	61.99	62.88	63.77	64.66	65.48	66.50	67.57	1.4%
Transportation	0.66	0.67	0.69	0.71	0.80	0.89	0.97	1.05	1.11	1.18	1.24	1.31	1.37	1.44	1.50	1.56	1.59	1.58	1.57	1.55	1.53	1.50	4.0%
Total Sales	161.86	164.47	168.52	172.77	176.85	180.55	184.80	188.71	192.50	196.35	200.32	204.47	207.93	211.45	215.09	218.35	221.69	224.77	227.85	230.73	233.94	236.97	1.8%
Net Energy for Load (billion kilowatthours) 7/																							
Gross International Imports	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Gross Interregional Electricity Imports	14.30	20.12	18.35	18.40	21.29	21.22	23.93	25.08	24.00	24.16	24.16	22.00	21.09	20.01	19.94	18.65	18.19	18.60	17.42	16.79	16.59	16.33	0.6%
Gross Interregional Electricity Exports	27.54	25.31	23.23	23.17	20.60	19.87	18.33	16.53	15.48	14.90	14.56	13.39	12.23	11.56	10.76	9.21	8.04	6.72	5.40	4.42	3.79	3.68	-9.1%
Purchases from Cogenerators 6/	3.64	3.67	3.69	3.74	3.81	3.88	3.95	4.02	4.10	4.17	4.25	4.34	4.42	4.50	4.60	4.69	4.79	4.89	4.99	5.10	5.20	5.32	1.8%
Utility Generation for Customers	184.88	179.67	183.56	187.89	186.77	189.93	190.21	191.37	195.27	198.47	202.17	207.40	210.68	214.58	217.46	220.41	222.99	224.47	227.50	230.13	233.03	236.29	1.2%
Total Net Energy for Load	175.28	178.15	182.38	186.86	191.27	195.15	199.75	203.95	207.89	211.91	216.02	220.35	223.95	227.54	231.24	234.55	237.93	241.25	244.52	247.60	251.03	254.25	1.8%
Generation by Fuel Type (billion kilowatthours)																							
Coal	130.87	135.55	138.95	143.02	140.01	143.69	147.10	148.21	147.64	144.06	144.17	144.21	144.24	144.31	144.33	144.39	144.42	144.42	144.43	144.43	144.44	144.44	0.5%
Petroleum	0.84	0.53	0.85	0.89	0.79	0.76	0.72	0.69	0.65	0.62	0.55	0.53	0.51	0.50	0.50	0.52	0.54	0.54	0.56	0.58	0.59	0.62	-1.5%
Natural Gas	37.96	28.50	28.31	28.60	30.86	30.56	27.46	27.53	32.02	38.84	42.48	47.70	50.94	54.78	57.62	60.48	62.99	64.44	67.43	70.02	72.89	76.12	3.4%
Nuclear	9.44	9.72	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	0.0%
Pumped Storage/Other 3/	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	N/A
Renewable Sources 4/	5.81	5.42	5.96	5.90	5.63	5.44	5.45	5.46	5.47	5.47	5.48	5.48	5.49	5.50	5.51	5.52	5.53	5.54	5.55	5.56	5.57	5.58	-0.2%
Total Generation	184.88	179.67	183.56	187.89	186.77	189.93	190.21	191.37	195.27	198.48	202.17	207.41	210.68	214.59	217.46	220.41	222.99	224.47	227.50	230.13	233.03	236.29	1.2%
Sales to Customers	184.88	179.67	183.56	187.89	186.77	189.93	190.21	191.37	195.27	198.47	202.17	207.40	210.68	214.58	217.46	220.41	222.99	224.47	227.50	230.13	233.03	236.29	1.2%
Generation for Own Use	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Cogenerators																							
Coal	3.31	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.34	3.33	3.33	3.33	3.33	3.33	3.33	3.33	0.0%
Petroleum	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	0.5%
Natural Gas	2.83	2.85	2.97	2.99	3.13	3.27	3.39	3.50	3.60	3.69	3.78	3.87	3.95	4.03	4.12	4.20	4.31	4.41	4.52	4.62	4.72	4.82	2.6%
Other Gaseous Fuels	0.05	0.05	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	0.09	0.09	0.09	0.09	0.09	0.09	0.09	3.3%
Renewable Sources 4/	2.24	2.24	2.25	2.25	2.33	2.40	2.48	2.57	2.65	2.74	2.81	2.90	2.96	3.03	3.11	3.17	3.25	3.32	3.38	3.44	3.49	3.56	2.2%
Other	0.12	0.12	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	0.3%
Total	8.62	8.68	8.84	8.86	9.07	9.28	9.49	9.70	9.88	10.05	10.23	10.40	10.54	10.69	10.86	11.01	11.19	11.37	11.54	11.70	11.86	12.03	1.6%
Sales to Utilities	3.64	3.67	3.69	3.74	3.81	3.88	3.95	4.02	4.10	4.17	4.25	4.34	4.42	4.50	4.60	4.69	4.79	4.89	4.99	5.10	5.20	5.32	1.8%
Generation for Own Use	4.98	5.00	5.14	5.12	5.27	5.41	5.54	5.67	5.79	5.88	5.97	6.06	6.12	6.19	6.26	6.32	6.40	6.47	6.54	6.60	6.65	6.71	1.4%
End-Use Prices (1999 cents per kilowatthour)																							
Residential	6.8	5.4	5.3	5.3	5.3	5.3	5.4	6.4	6.4	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.9	6.9	6.9	6.9	6.9	1.0%
Commercial	5.7	5.9	5.8	6.3	6.2	6.2	6.2	6.3	6.3	6.4	6.3	6.2	6.1	6.0	6.0	6.0	6.1	6.2	6.3	6.3	6.2	6.3	0.1%
Industrial	3.9	3.1	3.1	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.7	3.7	3.6	3.6	3.7	3.7	3.8	3.9	3.9	3.9	3.9	0.9%
Transportation	4.5	4.6	4.5	4.5	4.5	4.4	4.5	4.4	4.3	4.4	4.4	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.1	-0.5%
All Sectors Average	5.5	4.9	4.8	5.0	5.1	5.0	5.1	5.5	5.5	5.7	5.7	5.6	5.6	5.5	5.5	5.6	5.7	5.8	5.8	5.8	5.8	5.8	0.7%

**Table 68. Electric Power Projections for EMM Region (3 of 3)
Southwest Power Pool**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Prices by Service Category (1999 cents per kilowatthour)																							
Generation	2.7	2.3	2.2	2.6	2.6	2.6	2.7	3.1	3.1	3.2	3.2	3.2	3.2	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.5	3.6	1.8%
Transmission	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6%
Distribution	2.2	2.0	2.0	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	-1.0%
Fuel Consumption (quadrillion Btu) 8/																							
Coal	1.38	1.43	1.47	1.51	1.48	1.52	1.56	1.57	1.56	1.52	1.52	1.52	1.52	1.52	1.52	1.53	1.53	1.53	1.53	1.53	1.53	1.53	0.5%
Natural Gas	0.39	0.29	0.28	0.28	0.30	0.30	0.27	0.27	0.29	0.34	0.36	0.39	0.41	0.44	0.46	0.48	0.50	0.51	0.53	0.55	0.57	0.59	1.9%
Oil	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	-2.4%
Total	1.78	1.73	1.76	1.80	1.79	1.83	1.84	1.84	1.86	1.86	1.89	1.92	1.94	1.97	1.99	2.01	2.03	2.04	2.06	2.08	2.10	2.12	0.8%
Emissions (million short tons) 9/																							
Total Carbon	46.11	45.99	46.94	48.15	47.48	48.53	49.07	49.31	49.41	49.02	49.34	49.84	50.15	50.57	50.87	51.27	51.52	51.91	52.31	52.63	52.90	53.29	0.7%
Carbon Dioxide	169.08	168.62	172.10	176.55	174.11	177.93	179.93	180.79	181.17	179.73	180.91	182.75	183.90	185.41	186.51	187.97	188.90	190.33	191.79	192.99	193.97	195.41	0.7%
Sulfur Dioxide	0.40	0.40	0.42	0.44	0.43	0.45	0.46	0.45	0.44	0.43	0.43	0.43	0.43	0.44	0.43	0.44	0.44	0.43	0.43	0.42	0.42	0.41	0.1%
Nitrogen Oxide	0.33	0.30	0.30	0.31	0.31	0.31	0.32	0.31	0.31	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	-0.3%

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860B, "Annual Electric Generator Report - Nonutility." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

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

3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

5/ Cumulative additions after December 31, 1999.

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

7/ Generation to meet system load by source.

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

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

O&M = Operation and maintenance.

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1999 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Other 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

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

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Supply and Demand																							
Electricity Generating Capability 1/ (gigawatts)																							
Coal Steam	11.62	11.62	11.62	11.62	11.62	11.62	11.82	12.07	12.59	12.84	12.99	12.99	12.99	12.99	12.99	12.99	12.99	12.99	12.99	12.99	12.99	12.99	0.5%
Other Fossil Steam 2/	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	N/A
Combined Cycle	1.78	1.78	1.78	1.78	1.78	2.81	3.98	5.02	5.93	6.61	7.61	8.64	10.03	10.84	11.05	12.00	12.43	13.16	13.87	14.52	15.29	16.05	11.0%
Combustion Turbine/Diesel	0.93	0.93	1.23	1.40	2.08	2.20	2.29	2.46	2.46	2.50	2.50	2.61	2.67	2.71	2.79	2.79	2.79	2.79	2.79	3.17	3.36	3.36	6.3%
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	N/A
Pumped Storage/Other 3/	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	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	N/A
Renewable Sources 4/	35.46	35.45	35.59	35.59	35.60	35.70	35.98	36.18	36.59	36.86	37.04	37.17	37.24	37.25	37.26	37.28	37.29	37.30	37.32	37.33	37.34	37.35	0.2%
Total Capability	51.93	51.93	52.36	52.54	53.26	54.52	56.26	57.93	59.79	61.09	62.42	63.71	65.22	66.09	66.42	67.41	67.90	68.70	69.47	70.69	71.83	72.65	1.6%
Cumulative Planned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.13	0.14	0.14	0.20	0.20	0.21	0.22	0.22	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	N/A
Total Planned Additions	0.00	0.00	0.13	0.14	0.14	0.20	0.20	0.21	0.22	0.22	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	N/A
Cumulative Unplanned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.44	0.97	1.22	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	1.37	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	1.03	2.20	3.24	4.16	4.83	5.83	6.86	8.25	9.06	9.28	10.23	10.65	11.39	12.09	12.75	13.52	14.27	N/A
Combustion Turbine/Diesel	0.00	0.00	0.30	0.47	1.15	1.27	1.36	1.53	1.53	1.57	1.57	1.68	1.74	1.78	1.86	1.86	1.86	1.86	1.86	2.24	2.43	2.43	N/A
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.01	0.04	0.32	0.52	0.92	1.18	1.35	1.50	1.57	1.59	1.60	1.61	1.62	1.63	1.65	1.66	1.67	1.68	N/A
Total Unplanned Additions	0.00	0.00	0.30	0.48	1.20	2.39	4.13	5.80	7.64	8.94	10.25	11.57	13.09	13.95	14.28	15.26	15.76	16.56	17.33	18.55	19.69	20.50	N/A
Cumulative Total Additions	0.00	0.00	0.44	0.61	1.33	2.59	4.33	6.01	7.86	9.16	10.49	11.80	13.32	14.19	14.52	15.51	16.00	16.80	17.57	18.79	19.93	20.75	N/A
Cumulative Retirements	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	N/A
Cogenerators 6/ Capability																							
Coal	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.0%
Petroleum	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	0.0%
Natural Gas	0.67	0.67	0.68	0.68	0.69	0.70	0.71	0.73	0.73	0.74	0.75	0.76	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.82	0.83	0.84	1.1%
Other Gaseous Fuels	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	7.2%
Renewable Sources 4/	0.54	0.54	0.54	0.54	0.56	0.57	0.59	0.61	0.63	0.65	0.67	0.69	0.70	0.71	0.73	0.74	0.76	0.77	0.79	0.80	0.81	0.82	2.0%
Other	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	-10.0%
Total	1.38	1.39	1.39	1.39	1.42	1.45	1.48	1.51	1.54	1.57	1.59	1.62	1.64	1.66	1.68	1.70	1.73	1.75	1.77	1.80	1.82	1.84	1.4%

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

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Demand (billion kilowatthours)																							
Residential	71.92	72.59	74.81	76.93	78.66	80.45	82.72	84.45	86.62	88.19	89.59	91.50	92.73	94.32	95.84	97.23	98.96	100.52	102.12	103.89	105.73	107.49	1.9%
Commercial/Other	64.66	66.22	68.28	70.84	73.10	75.05	77.39	79.61	82.14	84.39	86.55	88.80	90.86	92.92	94.77	96.36	97.93	99.40	100.76	102.16	103.53	104.73	2.3%
Industrial	85.30	86.28	88.12	90.16	91.57	92.31	93.62	95.62	97.22	98.85	100.22	101.92	103.42	105.05	106.86	108.92	111.11	113.14	115.19	117.27	119.58	121.95	1.7%
Transportation	1.29	1.32	1.36	1.40	1.59	1.76	1.93	2.07	2.21	2.34	2.48	2.62	2.75	2.88	3.01	3.14	3.21	3.20	3.19	3.17	3.14	3.11	4.3%
Total Sales	223.17	226.40	232.57	239.34	244.92	249.57	255.66	261.76	268.18	273.77	278.83	284.83	289.76	295.17	300.49	305.65	311.21	316.26	321.27	326.49	331.98	337.27	2.0%
Net Energy for Load (billion kilowatthours) 7/																							
Gross International Imports	9.26	11.45	14.22	20.24	22.85	23.37	25.64	25.88	25.28	25.61	25.19	24.87	24.47	23.48	22.73	22.35	21.81	22.19	21.51	21.43	21.01	17.76	3.2%
Gross International Exports	10.44	10.01	10.01	9.96	9.52	13.24	13.26	13.29	13.32	13.34	13.37	12.43	11.47	10.50	9.53	8.56	7.60	6.63	5.66	4.70	4.21	3.73	-4.8%
Gross Interregional Electricity Imports	20.82	23.28	25.83	25.94	25.06	23.44	19.23	17.96	17.85	17.61	17.54	15.70	14.06	12.22	10.72	9.17	7.48	5.89	4.23	2.81	2.05	1.35	-12.2%
Gross Interregional Electricity Exports	44.51	40.66	46.12	50.82	53.05	52.70	55.70	56.15	53.62	51.07	54.77	50.69	52.51	47.41	43.35	43.28	39.08	36.19	36.08	32.96	30.10	28.23	-2.1%
Purchases from Cogenerators 6/	3.20	3.20	3.21	3.26	3.31	3.37	3.44	3.50	3.57	3.63	3.70	3.78	3.85	3.92	4.01	4.09	4.18	4.26	4.35	4.45	4.54	4.64	1.8%
Utility Generation for Customers	262.41	256.89	263.46	268.95	274.77	283.99	295.21	302.95	307.86	311.04	320.32	323.74	331.57	333.90	336.52	342.57	345.28	347.98	354.49	357.42	361.11	368.33	1.6%
Total Net Energy for Load	240.74	244.13	250.59	257.60	263.42	268.24	274.55	280.85	287.61	293.48	298.61	304.97	309.97	315.62	321.09	326.32	332.06	337.50	342.84	348.45	354.40	360.11	1.9%
Generation by Fuel Type (billion kilowatthours)																							
Coal	84.75	86.16	86.85	87.55	88.24	88.93	91.10	92.80	95.24	96.55	97.26	97.10	97.14	97.58	97.50	98.50	98.67	98.08	98.99	99.03	99.33	99.61	0.8%
Petroleum	0.10	0.48	0.69	1.09	0.56	0.47	0.33	0.07	0.05	0.04	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-6.3%
Natural Gas	12.23	15.83	18.16	19.21	24.83	32.91	39.80	44.57	43.86	43.66	50.91	53.48	60.79	62.64	65.30	70.27	72.81	76.09	81.74	84.61	87.94	94.88	10.2%
Nuclear	6.82	7.08	7.02	7.09	7.16	7.24	7.31	7.38	7.45	7.52	7.59	7.67	7.74	7.81	7.88	7.95	7.95	7.95	7.95	7.95	7.95	7.95	0.7%
Pumped Storage/Other 3/	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	N/A
Renewable Sources 4/	159.91	148.77	152.17	155.47	155.43	155.92	158.16	159.61	162.73	164.71	165.95	166.90	167.30	167.28	167.24	167.23	167.21	167.20	167.13	167.08	167.07	167.04	0.2%
Total Generation	263.59	258.09	264.68	270.18	276.02	285.26	296.50	304.24	309.14	312.32	321.61	325.03	332.86	335.18	337.81	343.86	346.56	349.27	355.78	358.71	362.40	369.62	1.6%
Sales to Customers	262.41	256.89	263.46	268.95	274.77	283.99	295.21	302.95	307.86	311.04	320.32	323.74	331.57	333.90	336.52	342.57	345.28	347.98	354.49	357.42	361.11	368.33	1.6%
Generation for Own Use	1.18	1.20	1.22	1.24	1.25	1.27	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	0.4%
Cogenerators																							
Coal	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.0%
Petroleum	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.5%
Natural Gas	4.10	4.11	4.22	4.23	4.34	4.45	4.55	4.64	4.72	4.79	4.86	4.93	5.00	5.06	5.13	5.20	5.28	5.36	5.45	5.54	5.61	5.69	1.6%
Other Gaseous Fuels	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	3.3%
Renewable Sources 4/	2.55	2.54	2.55	2.55	2.62	2.69	2.76	2.84	2.92	3.00	3.07	3.15	3.21	3.27	3.34	3.40	3.47	3.53	3.59	3.64	3.70	3.76	1.9%
Other	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.3%
Total	7.32	7.33	7.45	7.47	7.65	7.83	8.00	8.18	8.34	8.49	8.63	8.78	8.90	9.03	9.17	9.30	9.45	9.60	9.74	9.88	10.01	10.15	1.6%
Sales to Utilities	3.20	3.20	3.21	3.26	3.31	3.37	3.44	3.50	3.57	3.63	3.70	3.78	3.85	3.92	4.01	4.09	4.18	4.26	4.35	4.45	4.54	4.64	1.8%
Generation for Own Use	4.12	4.13	4.24	4.22	4.34	4.46	4.57	4.68	4.77	4.85	4.93	5.00	5.05	5.10	5.16	5.21	5.28	5.34	5.39	5.44	5.48	5.52	1.4%
End-Use Prices (1999 cents per kilowatthour)																							
Residential	5.8	5.9	5.9	5.7	5.6	5.7	5.7	5.9	6.0	6.1	6.1	6.1	6.1	6.1	6.0	5.9	5.9	5.8	5.7	5.7	5.7	5.7	-0.1%
Commercial	4.9	5.1	5.0	4.9	4.8	4.9	5.0	5.1	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	0.4%
Industrial	3.2	3.3	3.2	3.1	3.1	3.2	3.2	3.3	3.4	3.4	3.4	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3	0.3%
Transportation	4.5	4.5	4.4	4.4	4.3	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.0	4.0	-0.5%
All Sectors Average	4.5	4.7	4.6	4.5	4.4	4.5	4.6	4.7	4.8	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	0.2%

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

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Prices by Service Category (1999 cents per kilowatthour)																							
Generation	2.2	2.3	2.3	2.2	2.2	2.3	2.3	2.3	2.4	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.4%
Transmission	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.4%
Distribution	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	-0.3%
Fuel Consumption (quadrillion Btu) 8/																							
Coal	0.89	0.91	0.91	0.92	0.93	0.93	0.96	0.97	0.99	1.00	1.01	1.01	1.01	1.01	1.01	1.02	1.02	1.02	1.03	1.03	1.03	1.03	0.7%
Natural Gas	0.11	0.15	0.18	0.19	0.24	0.30	0.34	0.36	0.35	0.34	0.39	0.40	0.44	0.45	0.47	0.50	0.51	0.53	0.57	0.58	0.60	0.65	8.7%
Oil	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-6.5%
Total	1.01	1.06	1.10	1.12	1.18	1.24	1.30	1.34	1.34	1.34	1.40	1.40	1.45	1.46	1.48	1.52	1.54	1.55	1.60	1.61	1.63	1.68	2.5%
Emissions (million short tons) 9/																							
Total Carbon	27.13	28.35	29.05	29.56	30.44	31.56	32.78	33.53	33.89	34.13	35.13	35.22	35.95	36.18	36.46	37.22	37.51	37.67	38.51	38.80	39.19	40.00	1.9%
Carbon Dioxide	99.48	103.95	106.52	108.38	111.62	115.74	120.20	122.95	124.26	125.14	128.79	129.14	131.81	132.64	133.69	136.46	137.55	138.12	141.20	142.26	143.69	146.66	1.9%
Sulfur Dioxide	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.18	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	-0.1%
Nitrogen Oxide	0.18	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	0.16	0.16	0.16	0.16	0.16	-0.5%

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860B, "Annual Electric Generator Report - Nonutility." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

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

3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

5/ Cumulative additions after December 31, 1999.

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

7/ Generation to meet system load by source.

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

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

O&M = Operation and maintenance.

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1999 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Other 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 70. Electric Power Projections for EMM Region (1 of 3)
Western Systems Coordinating Council/Rocky Mountain Power Area and Arizona**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Supply and Demand																							
Electricity Generating Capability 1/ (gigawatts)																							
Coal Steam	15.89	15.89	15.89	15.89	15.89	15.89	16.86	17.63	18.50	19.31	20.08	20.55	20.90	20.90	20.90	20.90	20.90	20.90	20.90	20.90	21.12	21.57	1.5%
Other Fossil Steam 2/	2.83	2.83	2.83	2.83	2.83	2.81	2.81	2.81	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	-0.2%
Combined Cycle	1.65	1.65	2.27	2.27	2.27	3.41	3.99	4.66	5.31	5.39	5.39	5.39	5.39	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.70	6.1%
Combustion Turbine/Diesel	4.39	5.50	6.33	7.00	7.75	7.80	8.24	8.43	8.28	8.28	8.28	8.28	8.28	8.39	8.45	9.02	9.40	10.34	10.98	11.82	12.09	12.09	4.9%
Nuclear Power	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	N/A
Pumped Storage/Other 3/	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	N/A
Renewable Sources 4/	5.98	6.00	6.00	6.00	6.01	6.01	6.02	6.02	6.03	6.04	6.04	6.05	6.06	6.07	6.08	6.08	6.09	6.10	6.10	6.11	6.12	6.12	0.1%
Total Capability	34.21	35.34	36.78	37.46	38.25	39.42	41.50	43.22	44.53	45.45	46.29	46.82	47.23	47.42	47.66	47.77	48.51	49.03	50.11	50.90	52.10	53.14	2.1%
Cumulative Planned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Combined Cycle	0.00	0.00	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	N/A
Combustion Turbine/Diesel	0.00	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	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	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	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	N/A
Renewable Sources 4/	0.00	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	N/A
Total Planned Additions	0.00	0.33	0.95	0.96	0.96	0.96	0.96	0.96	0.96	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	N/A
Cumulative Unplanned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.97	1.74	2.61	3.42	4.19	4.66	5.01	5.01	5.01	5.01	5.01	5.01	5.01	5.01	5.23	5.68	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	1.14	1.72	2.39	3.04	3.12	3.12	3.12	3.12	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.26	3.43	N/A
Combustion Turbine/Diesel	0.00	0.80	1.62	2.30	3.05	3.10	3.53	3.72	3.72	3.72	3.72	3.72	3.72	3.72	3.83	3.89	4.46	4.84	5.78	6.42	7.28	7.55	N/A
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.10	0.10	0.11	N/A
Total Unplanned Additions	0.00	0.80	1.62	2.30	3.09	4.28	6.36	8.08	9.65	10.57	11.40	11.93	12.34	12.54	12.77	12.89	13.62	14.15	15.23	16.01	17.23	18.27	N/A
Cumulative Total Additions	0.00	1.13	2.57	3.25	4.05	5.24	7.32	9.04	10.61	11.53	12.37	12.90	13.31	13.51	13.74	13.86	14.59	15.11	16.20	16.98	18.20	19.24	N/A
Cumulative Retirements	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.31	0.31	N/A
Cogenerators 6/ Capability																							
Coal	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	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
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	0.0%
Natural Gas	1.24	1.24	1.25	1.25	1.27	1.28	1.30	1.31	1.32	1.33	1.34	1.35	1.36	1.37	1.38	1.39	1.40	1.42	1.43	1.44	1.45	1.47	0.8%
Other Gaseous Fuels	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	7.2%
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	-10.0%
Total	1.30	1.30	1.32	1.32	1.34	1.36	1.37	1.38	1.39	1.41	1.42	1.43	1.44	1.45	1.46	1.47	1.48	1.49	1.50	1.52	1.53	1.54	0.8%

**Table 70. Electric Power Projections for EMM Region (2 of 3)
Western Systems Coordinating Council/Rocky Mountain Power Area and Arizona**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Demand (billion kilowatthours)																							
Residential	48.23	48.67	50.41	52.50	54.56	55.96	57.72	59.24	60.96	62.48	64.04	65.80	66.86	68.17	69.42	70.57	72.00	73.27	74.71	76.19	77.79	79.50	2.4%
Commercial/Other	51.43	52.67	54.29	56.62	58.72	60.41	62.39	64.34	66.43	68.36	70.32	72.31	74.10	75.85	77.39	78.70	80.08	81.36	82.81	84.16	85.61	87.08	2.5%
Industrial	34.42	34.82	34.99	35.75	36.27	36.63	37.22	37.97	38.61	39.25	39.81	40.50	41.12	41.73	42.47	43.27	44.15	44.98	45.82	46.67	47.61	48.58	1.7%
Transportation	0.64	0.66	0.69	0.72	0.82	0.91	1.01	1.09	1.17	1.24	1.32	1.40	1.48	1.55	1.63	1.70	1.75	1.76	1.76	1.76	1.75	1.74	4.9%
Total Sales	134.72	136.82	140.39	145.59	150.37	153.91	158.33	162.63	167.16	171.33	175.51	180.01	183.56	187.30	190.90	194.24	197.99	201.37	205.09	208.78	212.76	216.91	2.3%
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	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	N/A
Gross Interregional Electricity Imports	20.06	19.93	18.78	19.19	20.08	20.11	19.63	18.01	17.14	16.29	16.01	15.12	13.22	12.81	11.96	10.69	9.82	9.20	7.37	6.52	6.32	4.75	-6.6%
Gross Interregional Electricity Exports	45.60	45.05	45.38	46.36	45.09	46.96	49.01	46.23	44.14	43.37	44.00	39.08	36.22	32.46	28.97	24.75	21.11	16.97	13.04	9.13	7.22	5.94	-9.2%
Purchases from Cogenerators 6/	5.82	5.82	5.83	5.84	5.85	5.86	5.87	5.89	5.90	5.91	5.92	5.94	5.95	5.97	5.98	6.00	6.02	6.03	6.05	6.07	6.09	6.11	0.2%
Utility Generation for Customers	167.80	169.55	174.84	180.97	183.94	189.47	196.62	200.05	203.70	208.18	213.44	214.26	216.88	217.39	218.43	218.87	219.93	220.06	221.93	222.81	225.38	230.08	1.5%
Total Net Energy for Load	148.08	150.26	154.07	159.63	164.78	168.48	173.12	177.71	182.60	187.01	191.38	196.24	199.83	203.71	207.40	210.81	214.66	218.32	222.30	226.28	230.57	235.00	2.2%
Generation by Fuel Type (billion kilowatthours)																							
Coal	111.61	112.83	114.11	115.43	116.81	118.13	126.63	132.28	138.56	143.96	149.62	152.51	155.36	155.82	156.11	156.09	156.27	156.22	156.28	156.29	157.94	161.31	1.8%
Petroleum	0.11	0.06	0.04	0.04	0.05	0.04	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.05	0.05	0.05	0.05	-4.1%
Natural Gas	14.83	15.82	19.83	24.31	25.93	30.12	28.72	26.44	23.77	22.83	22.39	20.27	20.01	20.02	20.70	21.12	21.92	22.02	23.76	24.56	25.41	26.67	2.8%
Nuclear	22.13	22.78	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	0.0%
Pumped Storage/Other 3/	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	N/A
Renewable Sources 4/	19.47	18.42	18.86	19.20	19.14	19.17	19.17	19.19	19.22	19.22	19.24	19.26	19.28	19.29	19.30	19.32	19.34	19.37	19.36	19.37	19.39	19.40	0.0%
Total Generation	168.11	169.86	175.15	181.28	184.25	189.79	196.93	200.36	204.01	208.49	213.76	214.57	217.19	217.70	218.74	219.18	220.24	220.37	222.24	223.12	225.69	230.39	1.5%
Sales to Customers	167.80	169.55	174.84	180.97	183.94	189.47	196.62	200.05	203.70	208.18	213.44	214.26	216.88	217.39	218.43	218.87	219.93	220.06	221.93	222.81	225.38	230.08	1.5%
Generation for Own Use	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
Cogenerators																							
Coal	0.62	0.63	0.63	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	0.61	0.61	0.61	0.61	0.61	0.61	-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	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.5%
Natural Gas	6.55	6.55	6.61	6.61	6.67	6.73	6.78	6.82	6.87	6.90	6.94	6.97	7.01	7.04	7.08	7.11	7.15	7.20	7.24	7.29	7.33	7.37	0.6%
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	0.02	0.02	0.02	0.02	0.02	3.3%
Renewable Sources 4/	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	2.2%
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	0.3%
Total	7.22	7.23	7.29	7.30	7.35	7.41	7.46	7.51	7.55	7.58	7.62	7.66	7.69	7.72	7.76	7.80	7.84	7.88	7.93	7.97	8.01	8.05	0.5%
Sales to Utilities	5.82	5.82	5.83	5.84	5.85	5.86	5.87	5.89	5.90	5.91	5.92	5.94	5.95	5.97	5.98	6.00	6.02	6.03	6.05	6.07	6.09	6.11	0.2%
Generation for Own Use	1.40	1.41	1.46	1.46	1.50	1.55	1.58	1.62	1.65	1.67	1.69	1.72	1.74	1.76	1.78	1.80	1.82	1.85	1.87	1.90	1.92	1.94	1.6%
End-Use Prices (1999 cents per kilowatthour)																							
Residential	8.3	8.2	8.1	8.0	7.9	8.5	8.5	8.6	8.5	8.4	8.4	8.4	8.4	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.4	8.4	0.0%
Commercial	6.8	6.8	6.7	6.6	6.6	6.9	6.8	6.8	6.6	6.5	6.4	6.3	6.3	6.3	6.4	6.5	6.5	6.6	6.5	6.5	6.5	6.4	-0.3%
Industrial	5.1	5.0	5.0	4.8	4.8	4.9	4.8	4.7	4.5	4.3	4.2	4.1	4.1	4.1	4.2	4.3	4.2	4.3	4.3	4.3	4.3	4.2	-0.8%
Transportation	6.1	6.3	6.3	6.2	6.2	6.0	5.9	5.8	5.5	5.4	5.4	5.2	5.2	5.1	5.1	5.1	5.1	5.1	5.0	5.0	5.0	5.0	-0.9%
All Sectors Average	6.9	6.8	6.8	6.7	6.6	7.0	7.0	6.9	6.8	6.7	6.6	6.6	6.6	6.6	6.6	6.7	6.7	6.8	6.7	6.7	6.7	6.6	-0.2%

**Table 70. Electric Power Projections for EMM Region (3 of 3)
Western Systems Coordinating Council/Rocky Mountain Power Area and Arizona**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Prices by Service Category (1999 cents per kilowatthour)																								
Generation	4.0	3.8	3.7	3.6	3.6	4.0	3.9	3.8	3.6	3.5	3.4	3.3	3.3	3.3	3.4	3.5	3.5	3.6	3.6	3.6	3.6	3.5	-0.6%	
Transmission	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0%	
Distribution	2.1	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	0.0%	
Fuel Consumption (quadrillion Btu) 8/																								
Coal	1.18	1.20	1.21	1.23	1.24	1.26	1.34	1.39	1.45	1.50	1.55	1.58	1.60	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.63	1.66	1.6%	
Natural Gas	0.16	0.17	0.20	0.25	0.27	0.28	0.25	0.22	0.19	0.18	0.18	0.16	0.16	0.16	0.17	0.17	0.18	0.18	0.20	0.20	0.21	0.22	1.5%	
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	-4.5%	
Total	1.35	1.37	1.41	1.48	1.51	1.54	1.59	1.61	1.64	1.68	1.73	1.74	1.76	1.77	1.78	1.78	1.79	1.79	1.81	1.82	1.84	1.88	1.6%	
Emissions (million short tons) 9/																								
Total Carbon	36.08	36.74	37.64	38.89	39.64	40.22	42.08	43.13	44.39	45.69	47.13	47.62	48.37	48.52	48.71	48.80	48.99	49.03	49.34	49.44	50.02	51.10	1.7%	
Carbon Dioxide	132.28	134.71	138.00	142.61	145.34	147.46	154.29	158.15	162.78	167.52	172.83	174.62	177.35	177.89	178.61	178.95	179.64	179.77	180.91	181.30	183.40	187.36	1.7%	
Sulfur Dioxide	0.22	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	-0.4%
Nitrogen Oxide	0.27	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.0%

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860B, "Annual Electric Generator Report - Nonutility." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

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

3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

5/ Cumulative additions after December 31, 1999.

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

7/ Generation to meet system load by source.

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

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

O&M = Operation and maintenance.

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1999 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Other 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 71. Electric Power Projections for EMM Region (1 of 3)
Western Systems Coordinating Council/California-Southern Nevada Power**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Generating Capability 1/ (gigawatts)																							
Coal Steam	5.28	5.28	5.28	5.28	5.28	5.28	5.24	5.24	9.38	10.38	10.38	10.38	10.38	10.38	10.38	10.38	10.38	10.38	10.38	10.38	10.38	10.38	3.3%
Other Fossil Steam 2/	20.60	20.51	20.51	20.51	20.51	20.51	20.50	20.50	18.83	18.47	18.47	18.47	18.47	18.47	18.47	18.47	18.47	18.47	18.47	18.47	18.47	18.47	-0.5%
Combined Cycle	1.63	1.63	1.63	1.63	1.63	2.56	4.68	7.09	7.09	7.85	7.80	10.00	10.66	12.88	14.55	15.38	17.06	18.87	19.33	21.10	22.78	23.47	13.5%
Combustion Turbine/Diesel	3.21	3.70	4.98	6.28	7.55	7.64	10.66	10.66	13.01	13.01	15.00	14.94	14.94	14.94	14.94	14.94	14.94	14.94	15.15	15.23	15.19	15.60	7.8%
Nuclear Power	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	N/A
Pumped Storage/Other 3/	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	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	N/A
Renewable Sources 4/	14.69	14.77	15.07	15.08	15.09	15.42	15.42	15.43	15.49	15.50	15.51	15.52	15.53	15.54	15.55	15.57	15.58	15.59	15.61	15.62	15.64	15.65	0.3%
Total Capability	54.49	54.97	56.55	57.86	59.20	60.77	66.14	68.56	73.67	75.09	77.30	79.44	80.11	82.34	84.02	84.89	86.62	88.48	89.38	91.47	93.15	94.33	2.6%
Cumulative Planned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combustion Turbine/Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	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	N/A
Renewable Sources 4/	0.00	0.08	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	N/A
Total Planned Additions	0.00	0.08	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	N/A
Cumulative Unplanned Additions 5/																							
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.14	5.14	5.14	5.14	5.14	5.14	5.14	5.14	5.14	5.14	5.14	5.14	5.14	5.14	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	N/A
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.92	3.05	5.46	5.46	6.22	6.22	8.41	9.07	11.30	12.97	13.80	15.47	17.29	17.75	19.52	21.20	21.88	N/A
Combustion Turbine/Diesel	0.00	0.50	1.78	3.09	4.37	4.45	7.60	7.60	9.95	9.95	11.94	11.94	11.94	11.94	11.94	11.94	11.94	11.94	12.15	12.23	12.23	12.64	N/A
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	N/A
Renewable Sources 4/	0.00	0.00	0.01	0.01	0.02	0.45	0.46	0.47	0.53	0.54	0.55	0.56	0.57	0.58	0.59	0.60	0.62	0.63	0.65	0.66	0.68	0.69	N/A
Total Unplanned Additions	0.00	0.50	1.79	3.10	4.44	6.12	11.66	14.09	20.87	22.64	24.90	27.10	27.77	30.01	31.68	32.56	34.28	36.14	37.04	39.13	40.85	42.03	N/A
Cumulative Total Additions	0.00	0.57	2.16	3.48	4.81	6.49	12.04	14.46	21.24	23.02	25.27	27.48	28.15	30.38	32.06	32.93	34.66	36.52	37.42	39.51	41.23	42.41	N/A
Cumulative Retirements	0.00	0.00	0.01	0.01	0.01	0.12	0.30	0.30	1.97	2.32	2.37	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.48	2.48	N/A
Cogenerators 6/ Capability																							
Coal	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%
Petroleum	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.0%
Natural Gas	4.94	4.96	5.01	5.03	5.13	5.23	5.31	5.40	5.47	5.53	5.60	5.66	5.72	5.78	5.84	5.91	5.98	6.06	6.13	6.21	6.29	6.36	1.2%
Other Gaseous Fuels	0.02	0.02	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	0.07	0.08	0.08	0.08	7.2%
Renewable Sources 4/	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.26	0.26	0.26	1.9%
Other	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	-10.0%
Total	5.68	5.70	5.78	5.79	5.90	6.00	6.10	6.19	6.27	6.34	6.41	6.48	6.54	6.61	6.68	6.75	6.83	6.91	6.99	7.08	7.15	7.23	1.2%

**Table 71. Electric Power Projections for EMM Region (2 of 3)
Western Systems Coordinating Council/California-Southern Nevada Power**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Electricity Demand (billion kilowatthours)																							
Residential	76.59	77.30	79.50	81.35	82.64	84.42	86.69	88.32	90.46	91.85	92.95	94.69	95.87	97.41	98.89	100.24	101.92	103.44	104.93	106.63	108.36	109.91	1.7%
Commercial/Other	95.47	97.77	100.79	104.26	107.27	110.01	113.35	116.43	120.07	123.26	126.19	129.30	132.18	135.12	137.78	140.07	142.24	144.30	145.92	147.71	149.35	150.55	2.2%
Industrial	63.78	64.52	66.63	68.23	69.33	69.83	70.73	72.31	73.50	74.73	75.74	77.00	78.10	79.37	80.70	82.27	83.90	85.39	86.91	88.43	90.14	91.88	1.8%
Transportation	1.50	1.53	1.57	1.62	1.82	2.02	2.20	2.36	2.51	2.66	2.81	2.96	3.10	3.24	3.39	3.52	3.60	3.58	3.56	3.52	3.48	3.43	4.0%
Total Sales	237.35	241.12	248.50	255.46	261.07	266.27	272.97	279.42	286.54	292.50	297.69	303.96	309.25	315.14	320.76	326.10	331.65	336.71	341.31	346.29	351.33	355.77	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	N/A
Gross International Exports	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	1.8%
Gross Interregional Electricity Imports	66.91	63.19	69.80	76.13	76.62	78.37	82.80	80.78	74.76	71.03	75.22	66.98	67.97	60.43	53.98	51.12	44.40	38.65	36.87	30.46	26.23	24.24	-4.7%
Gross Interregional Electricity Exports	12.22	11.02	11.02	11.02	10.10	8.42	7.98	7.98	7.98	7.98	7.98	7.19	6.40	5.62	4.87	4.07	3.51	3.00	2.04	1.12	1.02	0.56	-13.7%
Purchases from Cogenerators 6/	23.51	23.55	23.69	23.78	23.94	24.10	24.27	24.44	24.61	24.77	24.95	25.12	25.31	25.49	25.69	25.90	26.12	26.35	26.58	26.83	27.07	27.33	0.7%
Utility Generation for Customers	181.97	188.34	189.61	190.70	195.03	196.93	199.12	207.79	221.09	230.82	231.91	245.71	249.23	261.79	272.98	280.31	291.88	302.31	307.87	318.45	327.72	333.77	2.9%
Total Net Energy for Load	259.01	262.88	270.84	278.31	284.16	289.63	296.81	303.58	310.97	317.08	322.49	328.96	334.44	340.41	346.10	351.60	357.22	362.64	367.62	372.96	378.34	383.11	1.9%
Generation by Fuel Type (billion kilowatthours)																							
Coal	37.09	37.70	38.19	38.68	39.17	39.66	40.14	40.14	70.91	78.39	78.39	78.39	78.39	78.39	78.39	78.39	78.39	78.39	78.39	78.39	78.39	78.39	3.6%
Petroleum	1.40	1.47	1.40	0.87	0.85	0.85	0.81	0.79	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	-16.3%
Natural Gas	55.60	62.25	62.24	62.18	65.91	64.04	65.52	74.12	56.42	58.63	59.60	73.39	76.90	89.45	100.62	107.92	119.45	129.84	135.29	145.74	154.97	160.96	5.2%
Nuclear	41.62	42.95	42.23	42.33	42.44	42.54	42.65	42.72	42.79	42.83	42.83	42.83	42.83	42.83	42.83	42.83	42.83	42.83	42.83	42.83	42.83	42.83	0.1%
Pumped Storage/Other 3/	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	N/A
Renewable Sources 4/	55.93	53.64	55.22	56.31	56.31	59.39	59.42	59.44	59.85	59.86	59.87	59.89	59.90	59.92	59.94	59.96	59.99	60.01	60.04	60.07	60.10	60.10	0.3%
Total Generation	191.20	197.57	198.84	199.93	204.26	206.16	208.34	217.01	229.92	239.65	240.75	254.54	258.07	270.62	281.81	289.15	300.71	311.14	316.71	327.29	336.56	342.60	2.8%
Sales to Customers	181.97	188.34	189.61	190.70	195.03	196.93	199.12	207.79	221.09	230.82	231.91	245.71	249.23	261.79	272.98	280.31	291.88	302.31	307.87	318.45	327.72	333.77	2.9%
Generation for Own Use	9.23	9.23	9.23	9.23	9.23	9.23	9.21	9.21	8.83	8.83	8.83	8.83	8.83	8.83	8.83	8.83	8.83	8.83	8.83	8.83	8.83	8.83	-0.2%
Cogenerators																							
Coal	1.47	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	0.0%
Petroleum	0.81	0.81	0.84	0.80	0.80	0.80	0.80	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.85	0.85	0.85	0.2%
Natural Gas	36.05	36.16	36.90	37.05	37.83	38.63	39.34	40.02	40.59	41.10	41.63	42.12	42.61	43.07	43.55	44.07	44.66	45.26	45.87	46.49	47.06	47.65	1.3%
Other Gaseous Fuels	0.43	0.43	0.65	0.65	0.66	0.66	0.67	0.69	0.69	0.70	0.72	0.73	0.74	0.76	0.77	0.78	0.80	0.81	0.82	0.84	0.85	0.86	3.3%
Renewable Sources 4/	0.80	0.80	0.80	0.80	0.82	0.84	0.86	0.89	0.91	0.93	0.95	0.98	0.99	1.01	1.03	1.05	1.07	1.09	1.11	1.12	1.14	1.16	1.8%
Other	0.82	0.83	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.3%
Total	40.38	40.51	41.54	41.65	42.47	43.30	44.04	44.76	45.36	45.90	46.48	47.01	47.52	48.03	48.55	49.10	49.73	50.36	51.01	51.66	52.25	52.88	1.3%
Sales to Utilities	23.51	23.55	23.69	23.78	23.94	24.10	24.27	24.44	24.61	24.77	24.95	25.12	25.31	25.49	25.69	25.90	26.12	26.35	26.58	26.83	27.07	27.33	0.7%
Generation for Own Use	16.87	16.96	17.86	17.87	18.53	19.20	19.77	20.32	20.75	21.13	21.54	21.89	22.22	22.54	22.86	23.20	23.61	24.01	24.42	24.83	25.18	25.55	2.0%
End-Use Prices (1999 cents per kilowatthour)																							
Residential	10.7	11.7	11.5	11.0	11.2	10.9	10.2	9.9	9.4	9.5	9.7	9.6	9.7	9.7	9.8	9.9	9.9	9.9	10.1	10.0	9.9	10.0	-0.7%
Commercial	10.0	11.1	10.8	10.3	9.9	9.6	8.7	8.3	7.5	7.2	7.1	6.9	6.9	6.8	6.8	6.9	6.9	6.9	7.1	7.0	6.9	7.1	-1.7%
Industrial	7.0	7.8	7.5	7.0	6.6	6.3	5.5	5.0	4.2	3.9	3.9	3.7	3.7	3.6	3.6	3.7	3.7	3.7	3.9	3.9	3.8	4.0	-2.7%
Transportation	5.6	6.3	6.3	6.1	5.9	5.7	5.5	5.3	4.9	4.9	5.0	4.9	5.0	5.0	5.1	5.2	5.2	5.2	5.3	5.3	5.3	5.4	-0.2%
All Sectors Average	9.4	10.4	10.1	9.6	9.4	9.1	8.4	7.9	7.2	7.1	7.1	6.9	6.9	6.8	6.9	7.0	7.0	7.0	7.2	7.1	7.0	7.2	-1.4%

**Table 71. Electric Power Projections for EMM Region (3 of 3)
Western Systems Coordinating Council/California-Southern Nevada Power**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Prices by Service Category (1999 cents per kilowatthour)																							
Generation	6.1	6.8	6.6	6.1	5.9	5.6	4.7	4.1	3.3	3.0	3.0	2.8	2.8	2.8	2.8	2.9	2.9	2.9	3.1	3.0	3.0	3.2	-3.2%
Transmission	0.7	0.8	0.8	0.8	0.8	0.9	0.9	1.0	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.9%
Distribution	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.3%
Fuel Consumption (quadrillion Btu) 8/																							
Coal	0.38	0.38	0.39	0.39	0.40	0.40	0.41	0.41	0.70	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	0.77	3.4%
Natural Gas	0.56	0.63	0.63	0.63	0.68	0.63	0.59	0.61	0.43	0.43	0.44	0.52	0.54	0.62	0.69	0.73	0.81	0.87	0.91	0.97	1.03	1.07	3.1%
Oil	0.02	0.02	0.02	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	-16.5%
Total	0.96	1.03	1.04	1.04	1.09	1.05	1.01	1.03	1.13	1.20	1.21	1.29	1.31	1.38	1.45	1.50	1.57	1.64	1.68	1.74	1.79	1.83	3.1%
Emissions (million short tons) 9/																							
Total Carbon	19.98	21.32	21.50	21.57	22.43	21.88	21.31	21.69	26.87	28.92	29.08	30.38	30.70	31.88	33.00	33.77	34.94	35.94	36.57	37.59	38.47	39.11	3.3%
Carbon Dioxide	73.26	78.17	78.82	79.08	82.23	80.24	78.13	79.53	98.52	106.04	106.62	111.39	112.55	116.91	121.01	123.84	128.13	131.78	134.09	137.82	141.05	143.40	3.3%
Sulfur Dioxide	0.07	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.2%
Nitrogen Oxide	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.10	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	1.2%

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860B, "Annual Electric Generator Report - Nonutility." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

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

3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

5/ Cumulative additions after December 31, 1999.

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

7/ Generation to meet system load by source.

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

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

O&M = Operation and maintenance.

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1999 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Other 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 72. Electric Power Projections for EMM Region (2 of 3)
United States**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Electricity Supply and Demand																								
Electricity Demand (billion kilowatthours)																								
Residential	1144.67	1155.28	1187.43	1221.26	1251.57	1283.36	1316.68	1339.75	1368.33	1395.10	1423.10	1453.62	1474.61	1500.29	1525.07	1547.28	1571.99	1594.97	1619.10	1643.42	1669.71	1694.93	1.9%	
Commercial/Other	1082.01	1108.07	1142.36	1179.32	1210.43	1239.54	1272.51	1303.91	1337.48	1369.34	1400.42	1430.53	1459.25	1488.11	1514.28	1536.96	1558.04	1577.47	1595.33	1612.24	1628.69	1642.08	2.0%	
Industrial	1062.39	1076.74	1089.24	1107.99	1121.25	1128.64	1143.95	1164.37	1180.19	1195.73	1208.64	1225.23	1238.23	1251.78	1268.87	1287.42	1307.93	1327.14	1346.51	1364.97	1386.58	1409.72	1.4%	
Transportation	15.82	16.08	16.52	16.98	19.15	21.23	23.17	24.91	26.45	28.00	29.56	31.13	32.62	34.08	35.53	36.92	37.62	37.39	37.04	36.60	36.06	35.46	3.9%	
Total Sales	3304.90	3356.18	3435.54	3525.54	3602.40	3672.79	3756.31	3832.94	3912.45	3988.16	4061.72	4140.51	4204.72	4274.27	4343.74	4408.57	4475.58	4536.96	4597.97	4657.22	4721.04	4782.19	1.8%	
Net Energy for Load (billion kilowatthours) 7/																								
Gross International Imports	47.55	46.46	48.59	61.97	66.90	65.95	68.72	67.13	61.91	55.67	52.63	45.49	44.67	38.40	36.18	33.56	32.63	33.03	32.11	31.92	31.73	28.60	-2.4%	
Gross International Exports	15.53	13.00	13.07	13.10	12.75	16.55	16.67	16.80	16.93	17.06	17.20	16.38	15.41	14.44	13.47	12.50	11.53	10.57	9.60	8.63	8.14	7.66	-3.3%	
Gross Interregional Electricity Imports	326.40	303.93	298.43	313.62	317.46	324.39	322.62	315.13	309.47	299.72	298.66	282.31	275.82	266.47	258.57	250.04	237.18	226.45	221.68	212.15	205.72	204.50	-2.2%	
Gross Interregional Electricity Exports	329.44	306.97	301.67	317.23	321.31	328.52	326.86	319.42	313.68	303.75	302.65	286.21	279.88	270.50	262.69	254.16	241.26	230.52	225.90	216.43	210.02	209.00	-2.1%	
Purchases from Cogenerators 6/	148.36	153.02	157.41	159.69	165.16	167.19	168.41	168.81	169.30	170.27	171.92	173.80	175.44	177.64	179.76	181.46	184.61	186.94	189.63	192.37	194.76	197.85	1.4%	
Utility Generation for Customers	3369.89	3414.45	3491.11	3569.24	3637.32	3713.49	3794.77	3873.59	3960.72	4043.90	4121.52	4208.11	4271.27	4344.69	4414.18	4479.81	4551.12	4612.15	4673.98	4733.20	4797.91	4862.05	1.8%	
Total Net Energy for Load	3547.24	3597.88	3680.79	3774.19	3852.77	3925.94	4010.98	4088.43	4170.79	4248.75	4324.88	4407.12	4471.92	4542.25	4612.54	4678.21	4752.75	4817.49	4881.90	4944.57	5011.95	5076.34	1.7%	
Generation by Fuel Type																								
Coal	1832.64	1893.95	1949.18	1993.01	2028.84	2051.18	2084.79	2109.93	2166.90	2182.95	2183.77	2195.99	2207.40	2214.52	2227.06	2233.25	2246.33	2246.63	2264.21	2266.54	2279.57	2298.01	1.1%	
Petroleum	100.30	68.09	65.09	50.74	47.03	40.64	31.96	26.25	21.89	19.21	17.51	16.92	16.30	16.59	16.10	16.38	17.20	17.20	17.62	17.57	17.91	18.58	-7.7%	
Natural Gas	370.79	387.76	412.05	449.12	485.07	536.72	584.38	637.30	668.86	735.46	811.40	899.50	957.49	1029.09	1105.41	1185.48	1266.39	1342.28	1409.01	1483.01	1534.37	1586.86	7.2%	
Nuclear	729.79	747.53	736.39	736.58	737.77	738.94	740.10	741.24	738.41	737.35	736.82	720.28	712.78	705.62	685.01	663.59	638.96	622.99	599.60	582.41	581.87	574.26	-1.1%	
Pumped Storage/Other 3/	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	N/A	
Renewable Sources 4/	353.42	334.28	345.71	357.25	355.67	362.91	370.11	375.10	380.04	383.94	386.58	389.80	391.46	392.82	394.23	394.55	395.35	395.88	395.97	395.67	395.80	395.71	0.5%	
Total Generation	3386.02	3430.68	3507.50	3585.77	3653.63	3729.91	3811.29	3890.10	3976.85	4059.98	4137.61	4224.19	4287.36	4360.77	4430.27	4495.87	4567.18	4628.21	4690.04	4749.26	4813.92	4878.06	1.8%	
Sales to Customers	3369.89	3414.45	3491.11	3569.24	3637.32	3713.49	3794.77	3873.59	3960.72	4043.90	4121.52	4208.11	4271.27	4344.69	4414.18	4479.81	4551.12	4612.15	4673.98	4733.20	4797.91	4862.05	1.8%	
Generation for Own Use	16.13	16.23	16.39	16.54	16.31	16.42	16.51	16.51	16.13	16.09	16.09	16.09	16.09	16.09	16.09	16.06	16.06	16.06	16.06	16.06	16.01	16.01	0.0%	
Cogenerators																								
Coal	46.72	47.50	47.70	47.93	51.04	51.76	52.49	52.48	52.46	52.37	52.38	52.41	52.40	52.37	52.35	52.36	52.32	52.30	52.29	52.27	52.26	52.27	0.5%	
Petroleum	9.20	9.29	9.95	9.76	9.84	9.76	9.74	9.65	9.64	9.64	9.64	9.67	9.70	9.72	9.75	9.78	9.81	9.85	9.88	9.90	9.94	9.96	10.00	0.4%
Natural Gas	206.09	210.95	219.84	222.08	228.85	234.75	238.99	242.90	245.97	249.11	252.90	256.53	259.85	263.57	267.16	270.48	275.74	280.21	285.04	289.93	294.03	298.86	1.8%	
Other Gaseous Fuels	4.04	4.04	6.03	6.03	6.15	6.20	6.26	6.40	6.47	6.54	6.74	6.84	6.94	7.07	7.19	7.31	7.48	7.58	7.69	7.85	7.92	8.06	3.3%	
Renewable Sources 4/	35.69	35.39	35.48	35.58	36.60	37.51	38.55	39.68	40.80	41.89	42.88	43.93	44.74	45.61	46.65	47.50	48.47	49.33	50.14	50.87	51.61	52.43	1.8%	
Other	5.11	5.14	5.43	5.43	5.44	5.44	5.44	5.44	5.45	5.45	5.45	5.46	5.46	5.46	5.47	5.47	5.47	5.48	5.48	5.48	5.49	5.49	0.3%	
Total	306.85	312.30	324.44	326.81	337.91	345.42	351.48	356.56	360.80	365.00	370.04	374.87	379.11	383.83	388.59	392.93	399.33	404.76	410.55	416.35	421.27	427.10	1.6%	
Sales to Utilities	148.36	153.02	157.41	159.69	165.16	167.19	168.41	168.81	169.30	170.27	171.92	173.80	175.44	177.64	179.76	181.46	184.61	186.94	189.63	192.37	194.76	197.85	1.4%	
Generation for Own Use	158.49	159.27	167.03	167.12	172.75	178.23	183.07	187.75	191.50	194.73	198.11	201.07	203.67	206.19	208.83	211.46	214.72	217.82	220.91	223.98	226.51	229.25	1.8%	
End-Use Prices																								
(1999 cents per kilowatthour)																								
Residential	8.1	8.1	8.0	7.7	7.7	7.6	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.4	7.5	7.5	7.5	7.6	7.6	7.5	7.6	-0.3%	
Commercial	7.3	7.6	7.5	7.2	7.1	7.0	6.7	6.5	6.3	6.1	6.0	6.0	6.0	5.9	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.2	-0.8%	
Industrial	4.5	4.7	4.6	4.5	4.4	4.4	4.2	4.1	4.0	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	4.0	-0.6%	
Transportation	5.3	5.5	5.4	5.2	5.1	5.0	4.9	4.8	4.7	4.7	4.7	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	-0.8%	
All Sectors Average	6.7	6.8	6.7	6.5	6.4	6.4	6.2	6.1	6.0	5.9	5.9	5.9	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.0	-0.5%	

**Table 72. Electric Power Projections for EMM Region (3 of 3)
United States**

Electricity Supply and Demand	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Prices by Service Category (1999 cents per kilowatthour)																							
Generation	4.1	4.2	4.2	4.0	3.9	3.8	3.6	3.5	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.3	3.4	-0.9%
Transmission	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7%
Distribution	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0%
Fuel Consumption (quadrillion Btu) 8/																							
Coal	18.78	19.45	20.04	20.49	20.85	21.09	21.40	21.62	22.14	22.29	22.29	22.41	22.53	22.60	22.73	22.80	22.94	22.95	23.13	23.14	23.27	23.46	1.1%
Natural Gas	3.84	3.97	4.18	4.58	4.97	5.33	5.43	5.60	5.67	6.01	6.46	7.03	7.38	7.84	8.34	8.85	9.42	9.91	10.37	10.82	11.13	11.48	5.4%
Oil	1.08	0.71	0.68	0.52	0.48	0.41	0.32	0.26	0.21	0.19	0.17	0.16	0.16	0.16	0.15	0.16	0.16	0.16	0.17	0.17	0.17	0.18	-8.2%
Total	23.70	24.13	24.90	25.60	26.30	26.83	27.16	27.47	28.02	28.48	28.91	29.60	30.07	30.60	31.23	31.81	32.53	33.02	33.66	34.14	34.57	35.12	1.9%
Emissions (million short tons) 9/																							
Total Carbon	613.05	627.87	647.30	662.95	678.34	689.14	697.71	704.87	719.88	729.08	735.90	748.38	757.21	766.62	778.31	788.46	801.69	810.07	822.67	830.53	839.13	850.25	1.6%
Carbon Dioxide	2247.86	2302.20	2373.43	2430.80	2487.24	2526.85	2558.27	2584.54	2639.56	2673.28	2698.31	2744.07	2776.42	2810.93	2853.80	2891.01	2939.54	2970.26	3016.45	3045.26	3076.82	3117.56	1.6%
Sulfur Dioxide	12.46	11.47	11.30	11.25	10.92	10.50	10.30	9.90	9.74	9.48	9.48	9.28	9.23	9.28	9.35	9.30	9.33	8.95	8.95	8.95	8.95	8.95	-1.6%
Nitrogen Oxide	5.45	4.57	4.70	4.82	4.42	4.27	4.25	4.22	4.22	4.21	4.20	4.22	4.24	4.25	4.28	4.30	4.33	4.34	4.38	4.38	4.40	4.42	-1.0%

1/ Net summer capability is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators. Nameplate capacity is reported for nonutilities on Form EIA-860B, "Annual Electric Generator Report - Nonutility." Nameplate capacity is designated by the manufacturer. The nameplate capacity has been converted to net summer capacity based on historic relationships.

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

3/ Other includes methane, propane gas, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

4/ Includes conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

5/ Cumulative additions after December 31, 1999.

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

7/ Generation to meet system load by source.

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

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

O&M = Operation and maintenance.

EMM = Electricity market module.

N/A = Not applicable.

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

Sources: 1999 (except for prices and nonutility data): Energy Information Administration (EIA), Annual Energy Review 1999, DOE/EIA-0384(99) (Washington, DC, July 2000). Other 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

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

Region and Source	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
East Central Area Reliability																							
Coordination Agreement																							
Coal	486.07	503.58	519.02	527.22	533.01	534.66	532.87	526.21	530.17	530.62	525.87	531.57	534.02	535.48	540.20	543.33	550.52	551.05	560.57	564.69	568.86	575.14	0.8%
Petroleum	1.25	1.05	0.85	0.70	0.81	0.71	0.55	0.47	0.45	0.46	0.45	0.46	0.46	0.46	0.46	0.32	0.58	0.58	0.60	0.61	0.62	0.49	-4.3%
Natural Gas	17.25	18.13	21.39	26.61	29.69	41.30	53.46	68.57	82.20	97.93	111.45	119.68	126.39	136.55	142.20	147.85	157.64	166.11	176.99	195.87	201.23	208.84	12.6%
Nuclear	53.60	54.45	53.63	53.79	53.95	54.11	54.27	54.43	50.89	49.18	49.34	49.50	49.66	49.82	49.97	50.13	43.42	43.58	35.57	23.17	23.17	23.17	-3.9%
Pumped Storage/ Other 1/	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	N/A
Renewables 2/	5.62	5.77	6.11	6.96	6.21	6.57	7.20	7.69	7.78	7.77	7.70	7.68	7.16	6.37	6.78	6.98	7.03	6.85	6.63	6.41	6.26	5.94	0.3%
Total	563.78	582.96	600.99	615.28	623.66	637.34	648.34	657.37	671.48	685.96	694.80	708.87	717.68	728.67	739.61	748.60	759.18	768.17	780.36	790.77	800.18	813.63	1.8%
Electric Reliability Council of Texas																							
Coal	104.91	106.78	107.65	108.53	109.80	110.77	116.67	128.54	133.86	135.18	135.22	135.23	135.22	135.22	135.22	135.23	135.23	135.23	135.24	135.24	135.25	135.25	1.2%
Petroleum	2.85	0.91	0.87	0.27	0.11	0.12	0.10	0.08	0.07	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.08	0.10	0.17	-12.6%
Natural Gas	98.43	97.72	101.35	106.84	112.32	116.48	117.23	112.11	112.40	117.99	124.47	132.08	137.51	142.79	149.09	155.10	159.93	165.47	170.30	174.74	179.81	184.14	3.0%
Nuclear	37.99	39.11	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	38.39	0.0%
Pumped Storage/Other 1/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewables 2/	1.33	1.57	2.75	3.84	4.06	4.95	5.55	6.64	7.23	7.83	8.42	8.71	8.86	9.00	9.14	9.28	9.42	9.56	9.70	9.83	9.97	10.10	10.1%
Total	245.52	246.09	251.02	257.87	264.71	270.76	278.11	286.05	292.36	299.99	307.21	315.13	320.71	326.17	332.66	338.84	343.86	349.57	354.57	359.27	364.56	369.20	2.0%
Mid-Atlantic Area Council																							
Coal	109.82	113.25	115.85	118.47	119.97	122.30	122.46	120.81	121.57	122.07	121.18	121.52	121.37	121.76	122.55	123.44	124.18	123.63	125.20	126.07	126.94	128.46	0.7%
Petroleum	7.33	4.32	3.36	2.13	1.16	0.94	0.38	0.29	0.22	0.21	0.34	0.36	0.44	0.44	0.44	0.45	0.38	0.37	0.39	0.39	0.39	0.41	-12.8%
Natural Gas	6.42	8.47	9.50	11.38	14.25	16.79	25.95	33.33	38.54	43.12	46.91	55.25	58.85	63.13	66.41	69.79	77.54	82.65	90.96	96.01	100.09	102.67	14.1%
Nuclear	102.40	104.28	102.64	102.88	103.02	103.15	103.29	103.42	103.50	103.57	103.64	98.65	98.72	98.79	98.86	95.70	92.43	91.04	84.55	84.39	84.22	79.59	-1.2%
Pumped Storage/Other 1/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewables 2/	8.78	8.72	9.21	9.66	10.12	10.72	11.57	12.00	12.24	12.64	13.19	14.06	15.54	17.63	18.37	18.36	18.36	18.84	19.08	19.08	19.08	19.07	3.8%
Total	234.74	239.04	240.56	244.53	248.58	254.05	263.87	270.17	276.46	282.03	285.77	290.39	295.49	302.35	307.25	308.39	313.56	317.22	320.92	326.70	331.50	331.02	1.7%
Mid-America Interconnected Network																							
Coal	143.05	145.93	154.43	160.46	163.73	169.93	172.54	174.80	176.14	178.41	179.54	182.13	186.42	188.58	192.76	195.38	197.54	198.68	201.45	199.14	203.05	205.21	1.7%
Petroleum	1.05	0.53	0.83	0.42	0.33	0.25	0.22	0.17	0.16	0.17	0.16	0.17	0.17	0.18	0.18	0.20	0.20	0.20	0.21	0.22	0.22	0.22	-7.1%
Natural Gas	7.78	3.16	2.53	3.13	3.58	3.38	2.87	2.77	2.73	2.53	2.63	2.96	4.22	4.50	6.36	7.01	9.14	10.26	12.39	13.50	15.47	16.27	3.6%
Nuclear	94.04	97.20	95.43	95.55	95.67	95.79	95.90	96.02	96.14	96.26	96.38	90.69	82.61	81.77	74.67	74.78	74.90	75.00	75.08	75.09	75.09	75.09	-1.1%
Pumped Storage/Other 1/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewables 2/	3.71	3.87	4.29	4.30	4.32	4.83	4.86	4.87	4.87	4.88	4.88	5.51	5.52	5.47	5.44	5.42	5.55	5.51	5.49	5.29	5.25	5.24	1.7%
Total	249.63	250.69	257.51	263.85	267.65	274.22	276.46	278.73	280.20	282.44	283.85	281.74	279.30	280.88	279.86	283.26	287.87	290.21	295.24	293.87	299.77	302.74	0.9%
Mid-Continent Area Power Pool																							
Coal	106.89	114.24	118.28	122.54	129.01	132.34	135.28	136.70	138.64	139.14	139.85	140.35	140.70	141.14	141.79	142.87	143.56	143.78	143.98	144.16	144.32	144.57	1.4%
Petroleum	0.49	0.52	0.64	0.55	0.49	0.36	0.31	0.30	0.29	0.28	0.28	0.28	0.28	0.27	0.27	0.30	0.32	0.32	0.33	0.34	0.34	0.35	-1.6%
Natural Gas	1.82	1.80	1.79	1.58	1.57	1.81	1.81	1.92	2.12	2.45	3.91	5.52	7.76	9.63	13.73	19.83	27.31	30.95	33.30	35.95	37.11	39.46	15.8%
Nuclear	29.51	29.20	28.76	28.82	28.85	28.85	28.85	28.85	28.85	28.85	28.85	28.85	28.85	28.85	25.81	15.24	12.99	12.99	12.99	12.99	12.99	12.20	-4.1%
Pumped Storage/Other 1/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewables 2/	18.06	17.18	17.68	18.44	18.61	18.70	18.77	18.76	18.75	18.75	18.74	18.73	18.73	18.72	18.71	18.71	18.70	18.69	18.69	18.68	18.68	18.67	0.2%
Total	156.77	162.93	167.15	171.94	178.53	182.07	185.04	186.56	188.71	189.53	191.71	193.83	196.43	198.75	200.50	197.18	203.14	207.04	209.60	212.44	213.78	215.60	1.5%

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

Region and Source	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Northeast Power Coordinating Council/																							
New York																							
Coal	30.78	30.74	31.24	31.25	31.40	31.70	31.69	31.19	31.23	30.67	30.32	30.32	30.24	30.36	30.55	30.67	30.94	30.84	31.03	31.19	31.22	31.32	0.1%
Petroleum	15.58	10.27	9.04	5.36	4.70	4.51	2.11	1.39	1.06	0.58	0.45	0.56	0.43	0.57	0.52	0.57	0.84	0.80	0.69	0.74	0.78	0.81	-13.1%
Natural Gas	14.16	18.05	16.08	20.97	23.21	23.14	28.37	30.67	33.23	38.77	43.27	52.59	54.63	59.41	61.58	67.37	74.89	82.09	80.94	79.98	79.78	80.02	8.6%
Nuclear	35.96	37.08	36.44	36.44	36.44	36.44	36.44	36.44	36.44	36.44	35.15	28.70	28.70	28.70	27.63	22.34	15.93	9.29	9.29	9.29	9.29	9.29	-6.2%
Pumped Storage/Other 1/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewables 2/	19.80	18.65	19.33	20.17	20.61	20.97	21.66	22.28	22.44	22.55	22.66	22.79	22.77	22.78	22.78	22.77	22.78	22.77	22.77	22.77	22.77	22.76	0.7%
Total	116.28	114.79	112.13	114.20	116.36	116.77	120.28	121.98	124.43	129.04	131.87	135.00	136.82	141.85	143.09	143.75	145.41	145.83	144.75	144.01	143.88	144.24	1.0%
Northeast Power Coordinating Council/																							
New England																							
Coal	8.10	8.66	8.98	9.33	9.64	9.72	10.20	10.11	10.19	9.92	9.71	9.68	9.61	9.73	9.71	9.77	9.92	9.81	9.93	9.92	9.93	10.11	1.1%
Petroleum	20.41	10.80	10.31	9.14	10.71	8.48	6.37	4.05	3.22	1.76	1.37	1.22	1.11	1.30	1.25	1.20	1.42	1.31	1.45	1.19	1.21	1.36	-12.1%
Natural Gas	17.01	30.79	36.39	38.97	38.77	45.25	48.15	54.22	59.19	65.69	69.45	72.48	75.56	80.37	87.30	90.97	96.11	106.27	109.04	112.63	113.78	114.23	9.5%
Nuclear	29.99	31.05	30.55	30.65	30.74	30.83	30.93	31.02	31.06	31.08	31.11	31.13	31.15	27.15	23.09	23.11	17.12	9.15	9.15	9.15	9.15	9.15	-5.5%
Pumped Storage/Other 1/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewables 2/	12.07	11.68	11.80	11.93	12.02	12.35	12.48	12.65	12.85	13.04	13.23	13.43	13.49	13.49	13.49	13.49	13.60	13.65	13.65	13.64	13.64	13.65	0.6%
Total	87.57	92.97	98.04	100.00	101.88	106.65	108.13	112.07	116.53	121.54	124.91	127.98	130.97	132.08	134.90	138.59	138.21	140.24	143.28	146.61	147.80	148.57	2.5%
Southeastern Electric Reliability Council/																							
Florida																							
Coal	63.16	66.54	67.50	69.57	71.99	66.16	67.89	67.85	67.86	67.26	67.22	67.26	67.28	67.26	67.26	67.27	67.26	67.23	67.24	67.28	67.28	67.28	0.3%
Petroleum	24.76	21.44	21.22	16.55	15.19	12.88	10.38	8.80	6.61	6.06	4.98	4.43	3.75	3.65	3.54	3.46	3.34	3.29	3.50	3.75	3.70	3.85	-8.5%
Natural Gas	26.52	34.76	36.87	43.26	46.34	60.79	65.95	72.81	81.17	85.36	93.06	102.91	111.25	120.51	130.92	138.16	146.60	154.16	163.79	170.00	176.49	181.10	9.6%
Nuclear	30.50	31.45	30.91	30.96	31.01	31.06	31.11	31.16	31.21	31.26	31.32	31.37	31.42	28.62	22.95	20.14	20.19	20.24	13.72	13.72	13.72	13.72	-3.7%
Pumped Storage/Other 1/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewables 2/	3.71	3.82	4.39	4.66	4.70	4.87	4.93	4.98	5.03	5.63	5.64	5.65	5.66	5.68	5.67	5.66	5.68	5.70	5.69	5.66	5.67	5.67	2.0%
Total	148.66	158.02	160.89	165.00	169.23	175.79	180.29	185.63	191.94	195.66	202.30	211.73	219.48	225.87	230.53	234.88	243.27	250.83	254.16	260.63	267.09	271.85	2.9%
Southeastern Electric Reliability Council/																							
excluding Florida																							
Coal	415.36	431.81	447.92	460.76	475.87	482.99	490.05	500.09	504.67	506.49	505.20	505.48	507.16	508.66	510.45	507.68	509.18	509.01	511.23	510.46	512.37	516.65	1.0%
Petroleum	18.18	10.12	9.22	6.83	5.23	4.09	3.31	2.63	2.38	2.11	1.85	1.71	1.84	1.78	1.37	1.67	1.77	1.84	1.85	1.56	1.71	1.95	-10.1%
Natural Gas	58.11	49.66	54.69	59.08	64.75	67.02	75.91	84.98	97.85	114.24	137.38	157.65	169.07	181.63	199.81	225.80	236.18	247.98	259.10	275.35	285.30	297.33	8.1%
Nuclear	235.78	241.18	238.50	237.79	238.22	238.65	239.09	239.52	239.80	240.08	240.36	240.62	240.83	241.01	241.05	241.09	240.94	240.65	238.19	233.56	233.19	231.00	-0.1%
Pumped Storage/Other 1/	-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
Renewables 2/	37.48	35.10	36.21	38.64	36.71	37.17	38.99	39.58	39.58	39.55	39.50	39.60	39.62	39.52	39.64	39.59	39.88	39.86	39.85	39.83	39.91	39.98	0.3%
Total	764.76	767.70	786.38	802.93	820.61	829.76	847.18	866.67	884.19	902.41	924.26	945.06	958.56	972.67	992.42	1015.93	1028.08	1039.50	1050.40	1060.98	1072.73	1087.15	1.7%
Southwest Power Pool																							
Coal	130.87	135.55	138.95	143.02	140.01	143.69	147.10	148.21	147.64	144.06	144.17	144.21	144.24	144.31	144.33	144.39	144.42	144.42	144.43	144.43	144.44	144.44	0.5%
Petroleum	0.84	0.53	0.85	0.89	0.79	0.76	0.72	0.69	0.65	0.62	0.55	0.53	0.51	0.50	0.50	0.52	0.54	0.54	0.56	0.58	0.59	0.62	-1.5%
Natural Gas	37.96	28.50	28.31	28.60	30.86	30.56	27.46	27.53	32.02	38.84	42.48	47.70	50.94	54.78	57.62	60.48	62.99	64.44	67.43	70.02	72.89	76.12	3.4%
Nuclear	9.44	9.72	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	9.53	0.0%
Pumped Storage/Other 1/	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	N/A
Renewables 2/	5.81	5.42	5.96	5.90	5.63	5.44	5.45	5.46	5.47	5.47	5.48	5.48	5.49	5.50	5.51	5.52	5.53	5.54	5.55	5.56	5.57	5.58	-0.2%
Total	184.88	179.67	183.56	187.89	186.77	189.93	190.21	191.37	195.27	198.48	202.17	207.41	210.68	214.59	217.46	220.41	222.99	224.47	227.50	230.13	233.03	236.29	1.2%

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

Region and Source	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Western Systems Coordinating Council/																								
Northwest Power Pool Area																								
Coal	84.75	86.16	86.85	87.55	88.24	88.93	91.10	92.80	95.24	96.55	97.26	97.10	97.14	97.58	97.50	98.50	98.67	98.08	98.99	99.03	99.33	99.61	0.8%	
Petroleum	0.10	0.48	0.69	1.09	0.56	0.47	0.33	0.07	0.05	0.04	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-6.3%
Natural Gas	12.23	15.83	18.16	19.21	24.83	32.91	39.80	44.57	43.86	43.66	50.91	53.48	60.79	62.64	65.30	70.27	72.81	76.09	81.74	84.61	87.94	94.88	10.2%	
Nuclear	6.82	7.08	7.02	7.09	7.16	7.24	7.31	7.38	7.45	7.52	7.59	7.67	7.74	7.81	7.88	7.95	7.95	7.95	7.95	7.95	7.95	7.95	7.95	0.7%
Pumped Storage/Other 1/	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	N/A
Renewables 2/	159.91	148.77	152.17	155.47	155.43	155.92	158.16	159.61	162.73	164.71	165.95	166.90	167.30	167.28	167.24	167.23	167.21	167.20	167.13	167.08	167.07	167.04	0.2%	
Total	263.59	258.09	264.68	270.18	276.02	285.26	296.50	304.24	309.14	312.32	321.61	325.03	332.86	335.18	337.81	343.86	346.56	349.27	355.78	358.71	362.40	369.62	1.6%	
Western Systems Coordinating Council/																								
Rocky Mountain Power Area and Arizona																								
Coal	111.61	112.83	114.11	115.43	116.81	118.13	126.63	132.28	138.56	143.96	149.62	152.51	155.36	155.82	156.11	156.09	156.27	156.22	156.28	156.29	157.94	161.31	1.8%	
Petroleum	0.11	0.06	0.04	0.04	0.05	0.04	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.05	0.05	0.05	0.05	0.05	-4.1%
Natural Gas	14.83	15.82	19.83	24.31	25.93	30.12	28.72	26.44	23.77	22.83	22.39	20.27	20.01	20.02	20.70	21.12	21.92	22.02	23.76	24.56	25.41	26.67	2.8%	
Nuclear	22.13	22.78	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	22.35	0.0%
Pumped Storage/Other 1/	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	N/A
Renewables 2/	19.47	18.42	18.66	19.20	19.14	19.17	19.17	19.19	19.22	19.22	19.24	19.26	19.28	19.29	19.30	19.32	19.34	19.37	19.36	19.37	19.39	19.40	0.0%	
Total	168.11	169.86	175.15	181.28	184.25	189.79	196.93	200.36	204.01	208.49	213.76	214.57	217.19	217.70	218.74	219.18	220.24	220.37	222.24	223.12	225.69	230.39	1.5%	
Western Systems Coordinating Council/																								
California-Southern Nevada Power																								
Coal	37.09	37.70	38.19	38.68	39.17	39.66	40.14	40.14	70.91	78.39	78.39	78.39	78.39	78.39	78.39	78.39	78.39	78.39	78.39	78.39	78.39	78.39	78.39	3.6%
Petroleum	1.40	1.47	1.40	0.87	0.85	0.85	0.81	0.79	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	-16.3%
Natural Gas	55.60	62.25	62.24	62.18	65.91	64.04	65.52	74.12	56.42	58.63	59.60	73.39	76.90	89.45	100.62	107.92	119.45	129.84	135.29	145.74	154.97	160.96	5.2%	
Nuclear	41.62	42.95	42.23	42.33	42.44	42.54	42.65	42.72	42.79	42.83	42.83	42.83	42.83	42.83	42.83	42.83	42.83	42.83	42.83	42.83	42.83	42.83	42.83	0.1%
Pumped Storage/Other 1/	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	-0.44	N/A
Renewables 2/	55.93	53.64	55.22	56.31	56.31	59.39	59.42	59.44	59.85	59.86	59.86	59.87	59.89	59.90	59.92	59.94	59.96	59.99	60.01	60.04	60.07	60.10	0.3%	
Total	191.20	197.57	198.84	199.93	204.26	206.16	208.34	217.01	229.92	239.65	240.75	254.54	258.07	270.62	281.81	289.15	300.71	311.14	316.71	327.29	336.56	342.60	2.8%	

1/ Other includes methane, propane and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

2/ Renewables include conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Values represent generation for utilities and nonutilities (excluding cogenerators). Net summer capability is the steady hourly output that generating equipment is expected to supply to system load as demonstrated by tests during summer peak load.

Sources: 1999 utility generation: Energy Information Administration (EIA), Form EIA-759, "Monthly Power Plant Report." Other 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

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

Region and Source	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
East Central Area Reliability																							
Coordination Agreement																							
Coal Steam	84.09	84.09	84.09	84.09	82.89	82.08	81.52	81.43	81.43	80.78	80.78	80.78	80.78	80.78	80.78	80.78	80.78	80.78	80.78	80.78	80.78	80.78	-0.2%
Other Fossil Steam 1/	4.04	4.04	4.18	4.18	4.18	4.18	4.16	4.16	4.16	4.16	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	4.07	0.0%
Combined Cycle	0.40	0.40	0.40	0.40	0.40	2.15	4.25	7.40	9.60	12.03	13.53	14.13	15.27	16.63	17.31	18.17	19.02	19.84	21.37	23.40	24.70	25.94	22.0%
Combustion Turbine/Diesel	8.73	9.24	10.62	12.50	13.29	13.66	17.59	18.45	21.99	22.17	22.94	23.11	23.34	23.54	23.86	24.15	24.83	26.18	26.73	28.53	29.21	30.61	6.2%
Nuclear Power	7.65	7.65	7.65	7.65	7.65	7.65	7.65	7.65	6.89	6.89	6.89	6.89	6.89	6.89	6.89	5.89	5.89	5.08	3.09	3.09	3.09	3.09	-4.2%
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	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	N/A
Renewable Sources 3/	1.58	1.58	1.58	1.58	1.63	1.63	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	0.3%
Total	109.77	110.27	111.80	113.68	113.31	114.62	120.11	124.03	129.02	130.99	133.16	133.94	135.30	136.86	137.86	138.01	139.54	140.93	141.03	144.90	146.91	149.55	1.5%
Electric Reliability Council of Texas																							
Coal Steam	14.84	14.84	14.84	14.84	14.84	14.84	15.51	17.16	17.88	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	18.06	0.9%
Other Fossil Steam 1/	29.52	29.32	29.27	29.20	28.91	28.66	28.13	27.20	25.76	24.64	24.57	24.57	24.32	24.08	23.98	23.98	23.82	23.82	23.82	23.82	23.81	23.59	-1.1%
Combined Cycle	1.03	1.54	1.54	1.50	1.50	1.50	2.66	3.85	5.71	8.51	10.52	12.41	14.00	15.00	16.44	17.62	18.13	19.01	19.74	20.35	21.19	22.03	15.7%
Combustion Turbine/Diesel	5.04	6.27	7.50	8.40	9.08	9.82	11.20	12.05	13.40	14.39	14.90	14.94	14.99	15.11	15.22	15.27	15.41	15.51	15.51	15.76	16.09	16.35	5.8%
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	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	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	N/A
Renewable Sources 3/	0.76	0.81	1.21	1.43	1.63	1.86	2.05	2.25	2.44	2.64	2.83	2.85	2.88	2.90	2.92	2.94	2.97	2.99	3.01	3.03	3.06	3.08	6.9%
Total	55.99	57.58	59.17	60.17	60.81	61.60	64.73	67.96	70.92	74.24	77.15	79.14	80.59	81.57	83.14	84.48	85.08	86.16	86.98	88.09	89.38	90.51	2.3%
Mid-Atlantic Area Council																							
Coal Steam	18.57	18.41	18.22	18.22	18.18	18.18	18.13	18.13	18.13	18.13	18.13	18.06	18.06	18.06	18.06	18.06	17.89	17.89	17.89	17.89	17.89	17.89	-0.2%
Other Fossil Steam 1/	8.51	8.28	8.28	8.28	8.28	8.28	8.28	8.28	8.28	7.90	7.90	7.90	7.90	7.90	7.90	7.90	7.90	7.90	7.90	7.90	7.90	7.90	-0.4%
Combined Cycle	1.97	1.97	1.97	1.97	1.97	1.97	3.93	5.88	6.99	8.34	8.87	9.99	10.43	10.96	11.44	11.94	12.92	13.63	14.65	15.45	16.20	16.83	10.8%
Combustion Turbine/Diesel	9.11	9.34	9.84	10.86	11.95	12.62	14.69	15.25	17.34	17.34	17.63	17.63	17.63	17.63	17.63	17.63	17.63	17.63	18.09	18.09	18.09	18.35	3.4%
Nuclear Power	13.02	13.02	13.02	13.02	13.02	13.02	13.02	13.02	13.02	13.02	13.02	12.40	12.40	12.40	12.40	11.62	11.62	10.51	10.51	10.51	10.51	9.39	-1.5%
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	N/A
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.04	0.07	0.10	0.15	0.20	0.27	0.27	0.27	0.27	0.29	0.29	0.29	0.29	0.29	N/A
Renewable Sources 3/	1.70	1.71	1.72	1.73	1.77	1.84	1.94	1.99	2.09	2.24	2.45	2.72	3.04	3.42	3.42	3.42	3.42	3.54	3.54	3.54	3.54	3.54	3.5%
Total	54.22	54.08	54.39	55.42	56.65	57.56	61.86	64.63	68.15	69.74	70.61	71.42	72.30	73.33	73.87	73.84	74.50	74.30	75.92	76.76	77.56	77.38	1.7%
Mid-America Interconnected Network																							
Coal Steam	27.80	27.77	27.77	27.77	27.49	27.49	27.34	27.54	27.71	27.71	27.71	27.71	27.86	28.04	28.23	28.23	28.38	28.38	28.62	28.10	28.50	28.66	0.1%
Other Fossil Steam 1/	3.72	3.72	3.72	3.72	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	3.69	0.0%
Combined Cycle	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	N/A
Combustion Turbine/Diesel	7.02	7.96	9.06	10.16	10.96	11.66	14.87	15.61	18.56	18.56	20.03	20.25	21.46	21.67	23.79	23.87	25.33	25.38	26.82	26.82	28.66	28.66	6.9%
Nuclear Power	12.73	12.77	12.77	12.77	12.77	12.77	12.77	12.77	12.77	12.77	12.00	11.50	10.73	10.73	9.58	9.58	9.58	9.58	9.58	9.58	9.58	9.58	-1.3%
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	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	N/A
Renewable Sources 3/	0.84	0.88	0.88	0.89	0.89	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.7%
Total	52.75	53.74	54.84	55.94	56.49	57.32	60.43	61.43	64.71	64.76	65.63	65.41	66.17	66.62	67.93	68.06	69.83	69.93	71.75	71.28	73.66	73.81	1.6%
Mid-Continent Area Power Pool																							
Coal Steam	19.82	19.82	19.82	19.82	19.75	19.75	19.74	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	20.02	0.0%
Other Fossil Steam 1/	0.67	0.67	0.67	0.67	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	-0.9%
Combined Cycle	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.79	1.07	1.56	1.80	2.43	3.25	4.27	4.93	5.36	5.70	5.86	6.16	13.5%
Combustion Turbine/Diesel	5.32	5.44	5.44	5.44	5.42	5.81	6.77	7.20	7.63	7.97	8.10	8.54	8.70	9.38	9.74	10.06	10.21	10.38	10.38	10.51	10.88	11.07	3.6%
Nuclear Power	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	3.79	2.93	1.62	1.62	1.62	1.62	1.62	1.62	1.62	-6.0%
Pumped Storage/Other 2/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Renewable Sources 3/	4.13	4.17	4.23	4.36	4.36	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	4.39	0.3%
Total	34.16	34.31	34.37	34.51	34.30	34.74	35.73	36.47	36.93	37.30	37.82	38.57	39.25	40.26	40.48	40.40	41.67	42.57	43.03	43.54	44.10	44.03	1.2%

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

Region and Source	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Northeast Power Coordinating Council/																								
New York																								
Coal Steam	4.82	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	4.61	-0.2%
Other Fossil Steam 1/	12.33	12.33	12.33	12.33	10.54	9.67	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	8.44	-1.8%
Combined Cycle	0.58	0.58	0.58	0.58	0.58	0.58	0.58	1.69	1.69	2.41	3.22	3.90	4.44	4.99	5.18	5.71	6.50	7.45	7.45	7.45	7.45	7.45	7.57	13.0%
Combustion Turbine/Diesel	3.71	3.71	3.71	3.71	3.71	3.46	5.24	5.24	5.88	6.51	6.51	6.83	6.83	6.83	6.92	7.02	7.05	7.05	7.05	7.05	7.05	7.05	7.05	3.1%
Nuclear Power	4.96	4.96	4.96	4.96	4.96	4.96	4.96	4.96	4.96	4.96	3.86	3.86	3.86	3.86	2.93	2.11	1.14	1.14	1.14	1.14	1.14	1.14	1.14	-6.8%
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	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	N/A
Renewable Sources 3/	4.58	4.59	4.67	4.81	4.88	4.95	5.07	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	0.6%
Total	32.26	32.11	32.18	32.32	30.60	29.56	30.25	31.51	32.18	33.48	33.18	34.20	34.74	35.29	34.64	34.45	34.30	35.25	35.25	35.25	35.25	35.25	35.37	0.4%
Northeast Power Coordinating Council/																								
New England																								
Coal Steam	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	1.58	N/A
Other Fossil Steam 1/	7.80	7.80	7.80	7.80	6.95	6.95	6.95	6.95	6.95	6.41	6.41	6.41	6.41	6.41	6.41	6.38	6.38	6.38	6.38	6.38	6.38	6.38	6.38	-0.9%
Combined Cycle	1.91	4.65	4.65	4.65	4.65	5.17	5.83	6.40	7.36	8.38	9.09	9.45	9.96	10.55	11.51	12.02	12.54	13.76	14.21	14.69	15.00	15.00	15.00	10.3%
Combustion Turbine/Diesel	2.72	2.68	2.57	2.64	2.79	3.20	3.19	4.00	4.00	4.57	4.57	4.57	4.57	4.57	4.57	4.64	4.64	4.75	4.80	5.14	5.14	5.14	5.14	3.1%
Nuclear Power	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	4.32	3.15	3.15	3.15	1.16	1.16	1.16	1.16	1.16	1.16	1.16	-6.1%
Pumped Storage/Other 2/	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
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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/	3.30	3.30	3.30	3.30	3.34	3.40	3.43	3.48	3.54	3.59	3.64	3.70	3.70	3.70	3.70	3.70	3.74	3.74	3.74	3.74	3.74	3.74	3.74	0.6%
Total	22.75	25.46	25.35	25.42	24.76	25.78	26.47	27.93	28.95	30.08	30.85	31.26	31.78	31.21	32.16	32.71	31.29	32.63	33.15	33.98	34.29	34.29	34.29	2.0%
Southeastern Electric Reliability Council/																								
Florida																								
Coal Steam	10.25	10.38	10.38	10.38	10.38	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	9.21	-0.5%
Other Fossil Steam 1/	14.13	13.72	13.72	13.72	13.31	13.24	13.24	13.24	13.24	13.24	13.24	12.89	12.76	12.76	12.76	12.76	12.76	12.76	12.26	12.02	12.02	12.02	12.02	-0.8%
Combined Cycle	4.25	4.31	4.31	4.76	4.76	6.68	8.14	9.63	11.11	12.01	13.68	15.25	16.50	17.84	19.24	20.48	21.48	22.79	24.05	25.02	26.03	26.89	26.89	9.2%
Combustion Turbine/Diesel	5.73	6.17	6.44	6.50	6.80	7.12	7.03	7.13	7.90	8.30	8.43	8.88	9.58	10.04	10.61	10.66	11.73	11.73	11.73	12.27	12.27	12.27	12.27	3.7%
Nuclear Power	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.89	3.19	2.50	2.50	2.50	1.68	1.68	1.68	1.68	1.68	1.68	-3.9%
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	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	N/A
Renewable Sources 3/	0.57	0.57	0.57	0.57	0.57	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.2%
Total	38.82	39.04	39.32	39.83	39.73	40.80	42.18	43.75	46.04	47.41	49.21	50.94	52.82	54.00	55.33	56.62	58.75	59.24	60.01	61.32	62.32	63.18	63.18	2.3%
Southeastern Electric Reliability Council/																								
excluding Florida																								
Coal Steam	70.41	70.59	70.79	70.79	70.79	70.12	69.35	71.05	71.53	71.53	71.53	71.53	71.53	71.53	71.53	71.00	71.00	71.00	71.00	71.00	70.63	70.82	71.10	0.0%
Other Fossil Steam 1/	19.27	19.30	19.30	19.27	19.27	19.24	19.24	19.21	19.21	19.16	19.16	19.12	18.59	17.46	17.40	17.00	17.00	17.00	16.91	16.91	16.80	16.80	16.80	-0.7%
Combined Cycle	2.80	4.42	4.42	4.42	4.42	4.42	8.32	11.46	15.47	19.76	24.87	28.44	30.57	32.83	35.67	40.84	41.93	43.67	45.75	48.77	50.75	52.39	52.39	15.0%
Combustion Turbine/Diesel	14.83	15.11	16.53	18.31	21.39	22.59	22.64	22.85	23.29	24.06	24.55	25.31	26.71	27.38	29.55	29.39	31.63	33.03	34.00	35.72	37.32	38.23	38.23	4.6%
Nuclear Power	31.84	31.84	31.86	31.86	31.86	31.86	31.86	31.86	31.86	31.86	31.86	31.86	31.86	31.86	30.80	30.80	30.80	30.80	29.98	29.98	29.98	29.98	29.98	-0.4%
Pumped Storage/Other 2/	6.68	6.68	6.72	6.76	6.80	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	6.84	0.1%
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 3/	11.92	11.93	11.93	11.93	11.93	11.97	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.06	12.08	12.08	0.1%
Total	157.75	159.88	161.55	163.35	166.47	167.04	170.28	175.38	180.39	185.47	191.14	195.50	198.57	200.45	204.40	208.48	211.88	215.10	217.30	221.73	225.48	227.67	227.67	1.8%
Southwest Power Pool																								
Coal Steam	21.08	21.08	21.08	21.08	19.94	19.94	19.94	20.09	20.01	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	19.53	-0.4%
Other Fossil Steam 1/	14.14	14.04	13.96	13.87	13.57	13.14	11.84	11.23	10.92	10.89	10.89	10.89	10.89	10.87	10.87	10.87	10.87	10.87	10.87	10.87	10.87	10.87	10.87	-1.2%
Combined Cycle	1.51	1.51	2.43	2.43	2.43	2.43	2.43	2.71	3.92	5.32	6.13	7.06	7.67	8.46	8.74	9.03	9.21	9.26	9.55	9.73	10.24	10.75	10.75	9.8%
Combustion Turbine/Diesel	4.51	4.47	4.47	4.47	4.31	4.65	6.19	6.61	7.22	7.36	8.22	8.22	8.70	8.70	9.01	9.08	9.39	9.80	10.32	10.94	11.60	11.91	11.91	4.7%
Nuclear Power	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	1.16	N/A
Pumped Storage/Other 2/	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	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	N/A
Renewable Sources 3/	2.55	2.55	2.55	2.55	2.56	2.56	2.56	2.57	2.57	2.57	2.57	2.58	2.58	2.59	2.59	2.60	2.60	2.61	2.61	2.62	2.62	2.63	2.63	0.1%
Total	45.47	45.33	46.17	46.08	44.48	44.39	44.64	44.88	46.30	47.34	49.01	49.94	51.06	51.85	52.46	52.82	53.33	53.82	54					

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

Region and Source	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Western Systems Coordinating Council/																								
Northwest Power Pool Area																								
Coal Steam	11.62	11.62	11.62	11.62	11.62	11.62	11.82	12.07	12.59	12.84	12.99	12.99	12.99	12.99	12.99	12.99	12.99	12.99	12.99	12.99	12.99	12.99	12.99	0.5%
Other Fossil Steam 1/	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	N/A
Combined Cycle	1.78	1.78	1.78	1.78	1.78	2.81	3.98	5.02	5.93	6.61	7.61	8.64	10.03	10.84	11.05	12.00	12.43	13.16	13.87	14.52	15.29	16.05	11.0%	
Combustion Turbine/Diesel	0.93	0.93	1.23	1.40	2.08	2.20	2.29	2.46	2.46	2.50	2.50	2.61	2.67	2.71	2.79	2.79	2.79	2.79	2.79	3.17	3.36	3.36	6.3%	
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	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	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	N/A
Renewable Sources 3/	35.46	35.45	35.59	35.59	35.60	35.70	35.98	36.18	36.59	36.86	37.04	37.17	37.24	37.25	37.26	37.28	37.29	37.30	37.32	37.33	37.34	37.35	37.35	0.2%
Total	51.93	51.93	52.36	52.54	53.26	54.52	56.26	57.93	59.79	61.09	62.42	63.71	65.22	66.09	66.42	67.41	67.90	68.70	69.47	70.69	71.83	72.65	1.6%	
Western Systems Coordinating Council/																								
Rocky Mountain Power Area and Arizona																								
Coal Steam	15.89	15.89	15.89	15.89	15.89	15.89	16.86	17.63	18.50	19.31	20.08	20.55	20.90	20.90	20.90	20.90	20.90	20.90	20.90	20.90	21.12	21.57	1.5%	
Other Fossil Steam 1/	2.83	2.83	2.83	2.83	2.83	2.81	2.81	2.81	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	2.69	-0.2%
Combined Cycle	1.65	1.65	2.27	2.27	2.27	3.41	3.99	4.66	5.31	5.39	5.39	5.39	5.39	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.70	6.1%
Combustion Turbine/Diesel	4.39	5.50	6.33	7.00	7.75	7.80	8.24	8.43	8.28	8.28	8.28	8.28	8.28	8.28	8.39	8.45	9.02	9.40	10.34	10.98	11.82	12.09	4.9%	
Nuclear Power	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	2.74	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	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	N/A
Renewable Sources 3/	5.98	6.00	6.00	6.00	6.01	6.01	6.02	6.02	6.03	6.04	6.04	6.05	6.06	6.07	6.08	6.08	6.09	6.10	6.10	6.11	6.12	6.12	6.12	0.1%
Total	34.21	35.34	36.78	37.46	38.25	39.42	41.50	43.22	44.53	45.45	46.29	46.82	47.23	47.42	47.66	47.77	48.51	49.03	50.11	50.90	52.10	53.14	2.1%	
Western Systems Coordinating Council/																								
California-Southern Nevada Power																								
Coal Steam	5.28	5.28	5.28	5.28	5.28	5.28	5.24	5.24	9.38	10.38	10.38	10.38	10.38	10.38	10.38	10.38	10.38	10.38	10.38	10.38	10.38	10.38	10.38	3.3%
Other Fossil Steam 1/	20.60	20.51	20.51	20.51	20.51	20.51	20.50	20.50	18.83	18.47	18.47	18.47	18.47	18.47	18.47	18.47	18.47	18.47	18.47	18.47	18.47	18.47	18.47	-0.5%
Combined Cycle	1.63	1.63	1.63	1.63	1.63	2.56	4.68	7.09	7.09	7.85	7.80	10.00	10.66	12.88	14.55	15.38	17.06	18.87	19.33	21.10	22.78	23.47	13.5%	
Combustion Turbine/Diesel	3.21	3.70	4.98	6.28	7.55	7.64	10.66	10.66	13.01	13.01	15.00	14.94	14.94	14.94	14.94	14.94	14.94	14.94	15.15	15.23	15.19	15.60	7.8%	
Nuclear Power	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	5.35	N/A
Pumped Storage/Other 2/	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	3.73	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	N/A
Renewable Sources 3/	14.69	14.77	15.07	15.08	15.09	15.42	15.42	15.43	15.49	15.50	15.51	15.52	15.53	15.54	15.55	15.57	15.58	15.59	15.61	15.62	15.64	15.65	15.65	0.3%
Total	54.49	54.97	56.55	57.86	59.20	60.77	66.14	68.56	73.67	75.09	77.30	79.44	80.11	82.34	84.02	84.89	86.62	88.48	89.38	91.47	93.15	94.33	2.6%	

1/ Includes oil-, gas-, and dual-fired capacity.

2/ Other includes methane, propane, and blast furnace gas for utilities; and hydrogen, sulfur, batteries, chemicals, fish oil, and spent sulfite liquor.

3/ Renewable sources include conventional hydroelectric, geothermal, wood, wood waste, municipal solid waste, other biomass, solar thermal, photovoltaics, and wind power.

N/A = Not applicable.

Note: Totals may not equal sum of components due to independent rounding. Values represent net summer capability for utilities and nonutilities (excluding cogenerators). Net summer capability is the steady hourly output that generating equipment is expected to supply to system load as demonstrated by tests during summer peak load.

Sources: 1999 utility: Energy Information Administration (EIA), Form EIA-860A, "Annual Electric Generator Report - Utility." Other 1999 and projections: EIA, AEO2001 National Energy Modeling System run AEO2001.D101600A.

**Table 75. Renewable Resources Consumption/Displacement by Region and Source for Electricity (3 of 3)
(Trillion Btu)**

Region and Source	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020
Western Systems Coordinating Council/																							
California-Southern Nevada Power																							
Conventional Hydropower	403.93	375.26	383.36	391.47	391.30	391.14	390.97	390.82	390.69	390.50	390.30	390.18	390.02	389.83	389.70	389.51	389.33	389.19	388.99	388.87	388.76	388.54	-0.2%
Geothermal 1/	236.56	246.92	252.43	253.82	255.71	248.80	249.45	250.48	262.58	264.62	265.52	266.43	267.79	280.62	269.08	270.00	270.57	271.10	271.62	271.86	271.78	272.16	0.7%
Municipal Solid Waste	25.73	27.61	30.64	31.86	31.86	78.20	78.68	78.68	78.68	78.68	78.68	78.68	78.68	78.68	78.68	78.68	78.68	78.68	78.68	78.68	78.68	78.68	5.5%
Biomass 2/	19.84	19.98	20.06	20.06	20.06	20.06	20.06	20.06	20.06	20.06	20.06	20.06	20.06	20.06	20.06	20.06	20.06	20.06	20.06	20.06	20.06	20.06	0.1%
Solar Thermal 3/	9.16	9.16	9.16	9.20	9.24	9.27	9.31	9.46	9.58	9.69	9.76	9.84	9.91	9.99	10.10	10.22	10.33	10.41	10.52	10.63	10.74	10.86	0.8%
Solar Photovoltaic 3/	0.28	0.29	0.43	0.56	0.68	0.78	0.89	1.05	1.20	1.36	1.52	1.68	1.90	2.12	2.33	2.66	2.98	3.30	3.63	3.95	4.27	4.60	14.3%
Wind	31.73	31.94	36.00	38.01	38.01	38.01	38.01	38.01	38.01	38.01	38.01	38.01	38.01	38.01	38.01	38.01	38.01	38.01	38.01	38.01	38.01	38.01	0.9%
United States																							
Conventional Hydropower	3160.38	2936.40	3001.03	3068.33	3071.81	3073.22	3074.22	3078.37	3078.09	3076.89	3075.78	3073.61	3072.00	3071.07	3070.16	3069.05	3068.04	3067.38	3065.78	3064.71	3064.04	3062.84	-0.1%
Geothermal 1/	362.87	373.87	380.56	383.35	386.52	388.45	455.35	500.71	603.77	667.65	706.56	741.30	759.79	796.37	763.76	766.78	768.65	770.32	771.94	772.75	772.68	773.89	3.7%
Municipal Solid Waste	246.29	250.62	259.66	265.25	268.07	346.05	373.25	377.04	382.27	389.38	398.35	409.38	422.48	437.76	444.80	446.83	448.81	453.87	457.30	459.30	461.48	463.46	3.1%
Biomass 2/	84.55	95.98	121.40	151.99	127.12	134.25	153.92	173.01	176.19	182.78	183.26	192.41	193.01	193.42	200.64	201.88	206.85	207.22	205.88	201.76	200.21	197.35	4.1%
Solar Thermal 3/	9.16	9.16	9.19	9.26	9.32	9.66	9.86	10.04	10.43	10.76	11.10	11.38	11.58	11.78	12.05	12.41	12.73	12.96	13.23	13.49	13.76	14.06	2.1%
Solar Photovoltaic 3/	0.34	0.37	0.54	0.72	1.13	1.57	2.09	2.67	3.21	3.76	4.53	5.25	6.04	6.82	7.59	8.52	9.45	10.35	11.27	12.17	13.07	13.98	19.3%
Wind	45.89	53.27	68.06	79.44	85.63	91.27	96.86	102.85	109.19	115.80	122.70	126.75	128.76	130.66	131.33	131.33	131.99	132.75	132.97	132.97	133.86	134.69	5.3%

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.

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

Source: Energy Information Administration, AEO2001 National Energy Modeling System run AEO2001.D101600A.

Table 76. Renewable Resource Generating Capacity by EMM Region and Source (2 of 3)
(Gigawatts)

Region and Source	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Northeast Power Coordinating Council/																								
New York																								
Conventional Hydropower	4.30	4.30	4.37	4.52	4.59	4.66	4.73	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	4.87	0.6%
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	N/A
Municipal Solid Waste	0.25	0.25	0.25	0.25	0.25	0.25	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	0.8%
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	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	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	N/A
Wind	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	N/A
Total	4.58	4.59	4.67	4.81	4.88	4.95	5.07	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	5.21	0.6%
Northeast Power Coordinating Council/																								
New England																								
Conventional Hydropower	2.33	2.33	2.33	2.33	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	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	N/A
Municipal Solid Waste	0.49	0.49	0.49	0.50	0.50	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.3%
Biomass 2/	0.46	0.46	0.46	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.54	0.55	0.55	0.55	0.55	0.55	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.9%
Solar Thermal 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Wind	0.01	0.01	0.01	0.01	0.03	0.06	0.08	0.12	0.16	0.21	0.25	0.29	0.29	0.29	0.29	0.29	0.32	0.32	0.32	0.32	0.32	0.32	0.32	20.2%
Total	3.30	3.30	3.30	3.30	3.34	3.40	3.43	3.48	3.54	3.59	3.64	3.70	3.70	3.70	3.70	3.70	3.74	3.74	3.74	3.74	3.74	3.74	3.74	0.6%
Southeastern Electric Reliability Council/																								
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	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	N/A
Municipal Solid Waste	0.51	0.51	0.51	0.51	0.51	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.2%
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	0.01	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	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	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	N/A
Total	0.57	0.57	0.57	0.57	0.57	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.2%
Southeastern Electric Reliability Council/																								
excluding Florida																								
Conventional Hydropower	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.53	11.53	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	N/A
Municipal Solid Waste	0.19	0.20	0.20	0.20	0.20	0.24	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	2.0%
Biomass 2/	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.1%
Solar Thermal 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	0.03	0.05	0.05	N/A
Total	11.92	11.93	11.93	11.93	11.93	11.97	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.03	12.06	12.08	0.1%
Southwest Power Pool																								
Conventional Hydropower	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	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	N/A
Municipal Solid Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
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	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	N/A
Solar Photovoltaic 3/	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	N/A
Total	2.55	2.55	2.55	2.55	2.56	2.56	2.56	2.57	2.57	2.57	2.57	2.58	2.58	2.59	2.59	2.60	2.60	2.61	2.61	2.62	2.62	2.63	2.63	0.1%

**Table 76. Renewable Resource Generating Capacity by EMM Region and Source (3 of 3)
(Gigawatts)**

Region and Source	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	1999-2020	
Western Systems Coordinating Council/																								
Northwest Power Pool Area																								
Conventional Hydropower	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.97	34.95	34.95	34.95	34.95	34.95	34.95	34.95	34.95	34.95	34.95	34.95	0.0%	
Geothermal 1/	0.27	0.27	0.27	0.27	0.27	0.32	0.60	0.79	1.18	1.44	1.60	1.74	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	9.5%
Municipal Solid Waste	0.05	0.05	0.05	0.05	0.05	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	2.3%
Biomass 2/	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	N/A
Solar Thermal 3/	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.03	0.03	0.04	0.04	0.04	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.08	N/A
Solar Photovoltaic 3/	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.12	0.13	0.14	0.15	0.15	N/A
Wind	0.03	0.03	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	8.9%
Total	35.46	35.45	35.59	35.59	35.60	35.70	35.98	36.18	36.59	36.86	37.04	37.17	37.24	37.25	37.26	37.28	37.29	37.30	37.32	37.33	37.34	37.35	0.2%	
Western Systems Coordinating Council/																								
Rocky Mountain Power Area and Arizona																								
Conventional Hydropower	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	N/A
Geothermal 1/	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	N/A
Municipal Solid Waste	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
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	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	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.03	N/A
Solar Photovoltaic 3/	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.10	21.5%
Wind	0.10	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	0.12	0.8%
Total	5.98	6.00	6.00	6.00	6.01	6.01	6.02	6.02	6.03	6.04	6.04	6.05	6.06	6.07	6.08	6.08	6.09	6.10	6.10	6.11	6.12	6.12	0.1%	
Western Systems Coordinating Council/																								
California-Southern Nevada Power																								
Conventional Hydropower	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	N/A
Geothermal 1/	2.26	2.32	2.32	2.32	2.32	2.21	2.21	2.21	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	0.0%
Municipal Solid Waste	0.27	0.28	0.32	0.32	0.32	0.25	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	5.1%
Biomass 2/	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	0.0%
Solar Thermal 3/	0.33	0.33	0.33	0.33	0.33	0.33	0.34	0.34	0.34	0.35	0.35	0.35	0.35	0.35	0.36	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.38	0.6%
Solar Photovoltaic 3/	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.04	0.05	0.05	0.06	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.14	0.15	0.16	0.17	0.17	14.4%
Wind	1.65	1.65	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	0.7%
Total	14.69	14.77	15.07	15.08	15.09	15.42	15.42	15.43	15.49	15.50	15.51	15.52	15.53	15.54	15.55	15.57	15.58	15.59	15.61	15.62	15.64	15.65	0.3%	
United States																								
Conventional Hydropower	78.14	78.13	78.21	78.36	78.47	78.54	78.62	78.76	78.76	78.76	78.76	78.74	78.74	78.74	78.74	78.74	78.74	78.74	78.74	78.74	78.74	78.74	78.74	0.0%
Geothermal 1/	2.87	2.93	2.93	2.93	2.93	2.88	3.15	3.34	3.79	4.05	4.21	4.34	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41	4.41	2.1%
Municipal Solid Waste	2.59	2.64	2.76	2.78	2.81	3.54	3.80	3.84	3.90	3.98	4.08	4.20	4.34	4.51	4.53	4.55	4.57	4.64	4.66	4.68	4.70	4.72	4.72	2.9%
Biomass 2/	1.52	1.53	1.54	1.60	1.62	1.66	1.68	1.71	1.76	1.84	1.93	2.04	2.17	2.32	2.32	2.32	2.33	2.37	2.37	2.37	2.37	2.37	2.37	2.2%
Solar Thermal 3/	0.33	0.33	0.33	0.33	0.34	0.35	0.35	0.36	0.37	0.38	0.39	0.40	0.40	0.41	0.42	0.43	0.44	0.44	0.45	0.46	0.47	0.48	0.48	1.7%
Solar Photovoltaic 3/	0.01	0.01	0.02	0.03	0.05	0.06	0.09	0.11	0.13	0.15	0.18	0.21	0.24	0.27	0.30	0.33	0.37	0.40	0.44	0.47	0.51	0.54	0.54	19.4%
Wind	2.60	2.76	3.53	3.80	4.01	4.22	4.43	4.65	4.89	5.14	5.41	5.51	5.58	5.67	5.67	5.70	5.73	5.73	5.73	5.73	5.76	5.78	5.78	3.9%
Total	88.07	88.34	89.32	89.84	90.24	91.26	92.11	92.77	93.60	94.29	94.95	95.44	95.88	96.31	96.37	96.44	96.55	96.73	96.80	96.86	96.95	97.04	0.5%	

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.

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

Source: Energy Information Administration, AEO2001 National Energy Modeling System run AEO2001.D101600A.