



Nuclear Regulatory Commission
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Supplemental Tables to the Annual Energy Outlook 2006

Part III Electric Generation and Renewable Resource Data

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Supplemental Tables to the Annual Energy Outlook 2006

Table 61. Electric Power Projections by Electricity Market Module Region
Electric Reliability Council of Texas

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Electricity Generating Capacity 1/ (gigawatts)														
Electric Power Sector														
Coal Steam	15.19	15.19	15.19	15.19	15.19	15.19	15.19	15.19	15.19	15.19	15.19	15.19	15.19	15.99
Other Fossil Steam 2/	29.80	29.10	27.66	27.66	27.66	27.27	27.27	27.27	27.27	25.07	23.02	20.70	19.81	17.41
Combined Cycle	23.11	24.59	24.59	25.10	25.10	25.10	25.10	25.10	25.10	25.10	25.10	25.26	25.26	26.65
Combustion Turbine/Diesel	4.33	4.61	5.42	5.64	5.95	6.15	6.42	6.61	6.74	6.74	7.72	10.28	11.96	13.16
Nuclear Power	4.86	4.86	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	4.93	5.08
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewable Sources 4/	1.91	1.90	2.49	2.98	4.23	4.38	4.53	4.69	4.84	4.99	5.14	5.30	5.45	5.50
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.06	0.14	0.19	0.24	0.29	0.34	0.38	0.42	0.47	0.53
Total Capacity	79.19	80.25	80.28	81.50	83.13	83.17	83.64	84.03	84.36	82.36	81.49	82.08	83.08	84.33
Cumulative Planned Additions 6/														
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
Combined Cycle	0.00	0.00	0.00	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
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
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
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
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewable Sources 4/	0.00	0.00	0.59	1.08	2.33	2.48	2.63	2.79	2.94	3.09	3.24	3.40	3.55	3.55
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Planned Additions	0.00	0.00	0.59	1.59	2.85	3.00	3.15	3.30	3.46	3.61	3.76	3.91	4.07	4.07
Cumulative Unplanned Additions 6/														
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80
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
Combined Cycle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.16	1.54
Combustion Turbine/Diesel	0.00	0.00	0.92	1.14	1.45	1.65	1.92	2.11	2.24	2.24	3.22	5.78	7.46	8.66
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
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
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.06	0.14	0.19	0.24	0.29	0.34	0.38	0.42	0.47	0.53
Total Unplanned Additions	0.00	0.00	0.92	1.14	1.51	1.79	2.11	2.35	2.53	2.58	3.60	6.36	8.09	11.59
Cumulative Total Additions	0.00	0.00	1.51	2.73	4.36	4.79	5.26	5.65	5.98	6.18	7.36	10.27	12.16	15.66

Table 61. Electric Power Projections by Electricity Market Module Region
Electric Reliability Council of Texas

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Cumulative Retirements 7/														
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Fossil Steam 3/	0.00	0.00	1.44	1.44	1.44	1.83	1.83	1.83	1.83	4.03	6.08	8.40	9.29	11.68
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
Combustion Turbine/Diesel	0.00	0.00	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
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
Pumped Storage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fuel Cells	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewable Sources 4/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	1.55	1.55	1.55	1.94	1.94	1.94	1.94	4.14	6.19	8.51	9.40	11.80
Commercial and Industrial 8/														
Coal	0.36	0.35	0.36	0.36	0.36	0.36	0.36	0.36	0.40	0.44	0.48	0.50	0.52	0.54
Petroleum	0.05	0.09	0.09	0.09	0.10	0.09	0.10	0.10	0.11	0.11	0.10	0.11	0.11	0.11
Natural Gas	4.80	4.82	4.91	4.98	5.07	5.16	5.28	5.40	5.51	5.62	5.72	5.85	5.99	6.14
Other Gaseous Fuels	0.10	0.10	0.10	0.10	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
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
Other	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Total	5.40	5.47	5.57	5.64	5.71	5.80	5.92	6.04	6.20	6.36	6.50	6.65	6.81	6.98
Electricity Demand (billion kilowatthours)														
Residential	106.38	103.81	111.95	112.72	116.27	120.32	123.04	125.38	127.57	129.98	131.60	133.59	135.84	138.26
Commercial/Other	82.85	82.49	89.36	89.58	91.90	94.50	96.80	99.06	101.43	103.85	106.03	108.19	110.48	112.92
Industrial	83.20	82.65	87.09	87.56	87.50	88.24	87.94	88.26	89.36	89.72	90.98	91.72	92.60	94.20
Transportation	1.51	1.49	1.57	1.58	1.60	1.63	1.65	1.68	1.70	1.73	1.75	1.77	1.79	1.82
Total Sales	273.95	270.43	289.96	291.44	297.27	304.69	309.43	314.37	320.06	325.28	330.35	335.28	340.71	347.20
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
Gross International Exports	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
Gross Interregional Electricity Imports	4.82	3.71	3.36	4.10	4.27	4.56	4.81	4.28	3.89	3.33	2.95	3.07	2.97	2.15
Gross Interregional Electricity Exports	1.62	1.60	1.57	1.52	1.54	1.54	1.54	1.54	1.54	1.55	1.41	1.50	1.35	1.23
Purchases from Combined Heat and Power 8/	6.05	6.65	6.78	7.08	8.49	8.84	9.39	9.93	10.75	11.63	12.33	13.08	13.84	14.67
Electric Power Sector Generation for Customer	267.36	274.08	298.51	298.83	303.23	310.26	314.20	319.23	324.57	329.52	334.18	338.36	343.05	349.69
Total Net Energy for Load	276.58	282.81	307.05	308.46	314.41	322.07	326.82	331.86	337.62	342.89	348.01	352.97	358.46	365.25
Generation by Fuel Type (billion kilowatthours)														
Electric Power Sector														
Coal	111.52	113.01	105.37	105.49	106.37	108.17	109.94	110.86	110.82	110.80	110.61	110.42	110.00	116.16
Petroleum	2.13	1.34	0.87	0.80	0.71	0.72	0.80	0.92	0.91	0.91	0.93	0.96	1.26	1.28
Natural Gas	121.42	119.66	155.75	152.69	151.48	155.98	157.36	160.97	165.63	169.95	173.97	177.61	181.73	180.75
Nuclear	33.44	40.44	37.67	38.31	38.43	38.60	38.77	38.94	39.06	39.15	39.21	39.21	39.21	40.43
Pumped Storage/Other 3/	0.89	1.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Renewable Sources 4/	3.11	3.70	5.79	8.50	13.19	13.74	14.28	14.51	15.09	15.66	16.41	17.12	17.81	18.03
Total Generation	272.51	279.43	305.47	305.78	310.18	317.21	321.15	326.19	331.52	336.48	341.13	345.31	350.00	356.65
Sales to Customers	267.36	274.08	298.51	298.83	303.23	310.26	314.20	319.23	324.57	329.52	334.18	338.36	343.05	349.69
Generation for Own Use	5.14	5.34	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.03	0.06	0.09	0.10	0.13	0.15	0.17	0.18	0.21	0.23

Table 61. Electric Power Projections by Electricity Market Module Region
Electric Reliability Council of Texas

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Commercial and Industrial 8/														
Coal	2.84	3.02	3.05	3.05	3.04	3.04	3.04	3.04	3.56	4.09	4.61	4.86	5.11	5.35
Petroleum	0.23	0.21	0.26	0.26	0.47	0.46	0.50	0.53	0.55	0.59	0.53	0.56	0.56	0.58
Natural Gas	28.53	28.71	29.40	29.98	32.12	32.94	33.94	34.96	35.90	36.86	37.78	38.86	40.06	41.33
Other Gaseous Fuels	0.28	0.20	0.21	0.21	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19
Renewable Sources 4/	0.18	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.22	0.23	0.23
Other	1.63	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65
Total	33.70	33.98	34.76	35.34	37.67	38.48	39.53	40.58	42.07	43.60	44.98	46.35	47.80	49.34
Sales to Utilities	6.05	6.65	6.78	7.08	8.49	8.84	9.39	9.93	10.75	11.63	12.33	13.08	13.84	14.67
Generation for Own Use	27.65	27.32	27.98	28.27	29.18	29.64	30.14	30.65	31.31	31.97	32.65	33.27	33.96	34.67
Total Electricity Generation	306.21	313.40	340.23	341.12	347.88	355.75	360.76	366.87	373.71	380.23	386.28	391.85	398.01	406.22
End-Use Prices (2004 cents per kilowatthour)														
Residential	9.6	9.9	14.9	13.2	9.2	8.9	8.7	8.6	8.5	8.5	8.7	8.6	8.5	8.4
Commercial	8.3	8.1	9.1	9.3	8.7	8.5	8.3	8.1	7.9	7.9	8.0	7.9	7.8	7.7
Industrial	5.6	6.0	7.9	7.9	7.1	6.7	6.3	6.0	5.6	5.6	5.7	5.6	5.5	5.4
Transportation	6.9	7.0	7.9	8.0	7.9	7.6	7.5	7.4	7.3	7.4	7.6	7.5	7.4	7.3
All Sectors Average	8.0	8.2	11.0	10.4	8.4	8.1	7.9	7.7	7.5	7.5	7.7	7.6	7.5	7.3
Prices by Service Category (2004 cents per kilowatthour)														
Generation	5.5	5.6	8.5	7.9	6.0	5.6	5.4	5.3	5.0	5.1	5.3	5.2	5.1	4.9
Transmission	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
Distribution	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7
Fuel Consumption (quadrillion Btu) 9/														
Coal	1.09	1.09	1.11	1.11	1.12	1.14	1.16	1.17	1.17	1.17	1.17	1.17	1.16	1.22
Natural Gas	1.17	1.11	1.21	1.17	1.17	1.21	1.22	1.25	1.29	1.33	1.36	1.38	1.41	1.38
Oil	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Total	2.28	2.21	2.33	2.29	2.30	2.35	2.39	2.43	2.47	2.51	2.54	2.56	2.59	2.61
Fuel Prices (dollars per million Btu)														
Coal	1.14	1.33	1.37	1.39	1.38	1.38	1.40	1.38	1.38	1.37	1.38	1.39	1.42	1.43
Natural Gas	5.63	5.80	7.75	7.07	5.95	5.59	5.20	4.92	4.69	4.65	4.75	4.65	4.56	4.58
Distillate Fuel	6.59	9.31	10.06	10.90	9.86	9.58	9.13	8.83	8.79	8.94	8.58	8.72	8.76	9.02
Residual Fuel	5.34	5.29	7.96	7.42	7.64	7.37	7.04	6.55	6.62	6.61	6.50	6.56	6.50	6.58
Biomass	0.71	0.71	0.71	0.71	1.23	1.25	1.37	1.56	1.52	1.51	1.67	1.65	1.67	1.69
Emissions 10/														
Total Carbon (million tons)	49.61	49.55	51.77	51.28	51.41	52.61	53.40	54.22	54.87	55.49	55.93	56.25	56.64	57.68
Carbon Dioxide (million tons)	181.90	181.70	189.83	188.03	188.52	192.90	195.81	198.80	201.19	203.48	205.07	206.26	207.68	211.51
Sulfur Dioxide (million tons)	0.24	0.29	0.26	0.25	0.25	0.25	0.22	0.21	0.20	0.18	0.17	0.17	0.17	0.16
Nitrogen Oxide (million tons)	0.22	0.20	0.15	0.15	0.15	0.15	0.13	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Mercury (tons)	3.33	3.43	3.51	3.46	3.59	3.66	3.78	2.97	2.93	2.90	2.58	2.13	1.11	1.00

Table 61. Electric Power Projections by Electricity Market Module Region
Electric Reliability Council of Texas

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Electricity Generating Capacity 1/															
(gigawatts)															
Electric Power Sector															
Coal Steam	15.99	15.99	15.99	15.99	15.99	15.99	15.99	16.40	16.40	16.40	17.23	19.15	21.17	21.81	1.4%
Other Fossil Steam 2/	15.07	14.39	14.29	14.29	14.29	14.29	14.29	13.54	13.34	12.72	12.65	9.83	9.38	9.38	-4.3%
Combined Cycle	29.73	31.96	32.62	33.34	33.91	34.49	35.22	36.38	37.21	38.27	38.41	39.62	39.62	39.79	1.9%
Combustion Turbine/Diesel	13.16	13.16	13.16	13.16	13.31	13.41	13.41	13.59	13.83	14.09	14.18	14.72	14.72	14.72	4.6%
Nuclear Power	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	5.24	0.3%
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Renewable Sources 4/	5.51	5.51	5.51	5.51	5.51	5.57	5.61	5.73	5.80	5.91	5.98	6.19	6.20	6.24	4.7%
Distributed Generation 5/	0.58	0.63	0.68	0.73	0.77	0.82	0.87	0.93	1.09	1.26	1.45	1.65	1.71	1.77	N/A
Total Capacity	85.27	86.89	87.50	88.26	89.03	89.81	90.64	91.82	92.90	93.89	95.14	96.40	98.03	98.94	0.8%
Cumulative Planned Additions 6/															
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	N/A
Combined Cycle	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	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	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	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	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	N/A
Renewable Sources 4/	3.55	3.56	3.56	3.56	3.56	3.56	3.57	3.57	3.57	3.57	3.57	3.58	3.58	3.58	N/A
Distributed Generation 5/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Total Planned Additions	4.07	4.07	4.07	4.08	4.08	4.08	4.08	4.08	4.09	4.09	4.09	4.09	4.09	4.10	N/A
Cumulative Unplanned Additions 6/															
Coal Steam	0.80	0.80	0.80	0.80	0.80	0.80	0.80	1.21	1.21	1.21	2.04	3.96	5.98	6.62	N/A
Other Fossil Steam 2/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Combined Cycle	4.63	6.86	7.51	8.23	8.80	9.38	10.11	11.28	12.11	13.16	13.31	14.51	14.51	14.69	N/A
Combustion Turbine/Diesel	8.66	8.66	8.66	8.66	8.81	8.91	8.91	9.09	9.33	9.59	9.68	10.22	10.22	10.22	N/A
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	N/A
Renewable Sources 4/	0.05	0.05	0.05	0.05	0.05	0.10	0.15	0.27	0.33	0.44	0.50	0.72	0.72	0.76	N/A
Distributed Generation 5/	0.58	0.63	0.68	0.73	0.77	0.82	0.87	0.93	1.09	1.26	1.45	1.65	1.71	1.77	N/A
Total Unplanned Additions	14.72	17.01	17.71	18.48	19.24	20.02	20.85	22.77	24.06	25.67	26.99	31.06	33.14	34.06	N/A
Cumulative Total Additions	18.79	21.08	21.79	22.55	23.32	24.10	24.93	26.86	28.15	29.76	31.08	35.16	37.24	38.15	N/A

Table 61. Electric Power Projections by Electricity Market Module Region
Electric Reliability Council of Texas

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Cumulative Retirements 7/															
Coal Steam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Other Fossil Steam 3/	14.03	14.71	14.81	14.81	14.81	14.81	14.81	15.55	15.76	16.38	16.45	19.27	19.72	19.72	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	N/A
Combustion Turbine/Diesel	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	N/A
Nuclear Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Pumped Storage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	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	N/A
Total	14.14	14.82	14.92	14.92	14.92	14.92	14.92	15.66	15.87	16.49	16.56	19.38	19.83	19.83	N/A
Commercial and Industrial 8/															
Coal	0.58	0.62	0.65	0.86	1.07	1.28	1.40	1.51	1.63	1.75	1.87	2.00	2.00	2.00	6.9%
Petroleum	0.11	0.10	0.10	0.11	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.7%
Natural Gas	6.29	6.44	6.59	6.75	6.90	7.05	7.20	7.35	7.49	7.62	7.76	7.89	8.02	8.16	2.0%
Other Gaseous Fuels	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%
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	N/A
Other	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	N/A
Total	7.17	7.34	7.53	7.91	8.26	8.63	8.89	9.16	9.42	9.68	9.93	10.18	10.32	10.46	2.5%
Electricity Demand (billion kilowatthours)															
Residential	140.08	142.18	144.20	146.56	148.05	149.90	151.80	154.08	155.69	157.76	159.88	162.44	164.38	166.58	1.8%
Commercial/Other	115.39	117.83	120.13	122.49	124.45	126.54	128.79	131.10	133.38	135.83	138.16	140.80	143.64	146.34	2.2%
Industrial	95.36	96.80	97.61	97.42	99.26	100.04	100.54	102.58	103.94	105.68	107.70	109.58	111.19	111.85	1.2%
Transportation	1.84	1.87	1.89	1.91	1.94	1.96	1.98	2.01	2.03	2.06	2.09	2.11	2.14	2.17	1.5%
Total Sales	352.67	358.67	363.82	368.38	373.69	378.44	383.11	389.77	395.05	401.33	407.82	414.93	421.35	426.94	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	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	0.8%
Gross Interregional Electricity Imports	1.61	0.92	0.71	0.80	0.71	0.69	0.74	0.95	1.05	1.02	1.18	1.20	1.17	1.52	-3.4%
Gross Interregional Electricity Exports	1.27	1.19	1.05	0.93	0.85	0.87	0.73	0.80	0.72	0.73	0.79	1.11	1.41	1.41	-0.5%
Purchases from Combined Heat and Power 8/	15.57	16.44	17.36	19.76	21.87	23.97	25.54	27.14	28.50	30.08	31.29	32.46	33.72	34.26	6.5%
Electric Power Sector Generation for Customer	355.10	361.12	365.65	367.70	371.05	373.87	376.92	382.11	386.02	391.03	396.35	402.83	408.58	413.54	1.6%
Total Net Energy for Load	370.97	377.25	382.63	387.29	392.75	397.62	402.43	409.36	414.81	421.36	427.98	435.35	442.02	447.87	1.8%
Generation by Fuel Type (billion kilowatthours)															
Electric Power Sector															
Coal	116.15	116.09	115.94	115.85	115.88	115.86	115.72	118.70	118.68	118.66	125.32	139.06	154.33	159.62	1.3%
Petroleum	1.27	1.26	1.26	1.25	1.26	1.25	1.27	1.30	1.30	1.30	1.34	1.38	1.38	1.38	0.1%
Natural Gas	184.96	190.98	195.50	197.55	200.90	203.30	205.98	207.13	210.51	214.58	213.16	203.56	194.25	194.05	1.9%
Nuclear	41.64	41.64	41.64	41.64	41.64	41.64	41.64	41.64	41.64	41.64	41.64	41.64	41.64	41.64	0.1%
Pumped Storage/Other 3/	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Renewable Sources 4/	18.05	18.11	18.26	18.36	18.33	18.78	19.26	20.30	20.84	21.80	21.85	24.15	23.93	23.79	7.4%
Total Generation	362.05	368.07	372.60	374.65	378.01	380.83	383.87	389.06	392.98	397.98	403.30	409.79	415.53	420.49	1.6%
Sales to Customers	355.10	361.12	365.65	367.70	371.05	373.87	376.92	382.11	386.02	391.03	396.35	402.83	408.58	413.54	1.6%
Generation for Own Use	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	1.0%
Distributed Generation 5/	0.25	0.28	0.30	0.32	0.34	0.36	0.38	0.41	0.48	0.55	0.63	0.72	0.75	0.78	N/A

Table 61. Electric Power Projections by Electricity Market Module Region
Electric Reliability Council of Texas

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2004-2030
Commercial and Industrial 8/															
Coal	5.80	6.24	6.68	9.29	11.84	14.18	15.71	17.31	18.51	20.13	21.17	22.19	23.38	23.39	8.2%
Petroleum	0.57	0.55	0.55	0.61	0.55	0.55	0.56	0.56	0.57	0.57	0.57	0.57	0.57	0.58	3.9%
Natural Gas	42.60	43.83	45.09	46.47	47.72	49.02	50.27	51.48	52.70	53.82	54.93	56.01	57.05	58.28	2.8%
Other Gaseous Fuels	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.3%
Renewable Sources 4/	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.26	0.26	0.27	0.27	0.28	0.29	0.29	1.8%
Other	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	0.0%
Total	51.04	52.70	54.41	58.47	62.22	65.86	68.65	71.47	73.91	76.65	78.80	80.92	83.15	84.41	3.6%
Sales to Utilities	15.57	16.44	17.36	19.76	21.87	23.97	25.54	27.14	28.50	30.08	31.29	32.46	33.72	34.26	6.5%
Generation for Own Use	35.47	36.26	37.05	38.72	40.35	41.89	43.10	44.33	45.41	46.57	47.52	48.46	49.44	50.15	2.4%
Total Electricity Generation	413.35	421.05	427.31	433.44	440.56	447.05	452.90	460.94	467.36	475.19	482.74	491.43	499.44	505.67	1.9%
End-Use Prices (2004 cents per kilowatthour)															
Residential	8.4	8.4	8.6	8.6	8.7	8.8	8.8	8.9	9.1	9.1	9.2	9.2	9.2	9.4	-0.2%
Commercial	7.6	7.6	7.8	7.8	8.0	8.1	8.1	8.2	8.4	8.6	8.7	8.7	8.7	9.0	0.4%
Industrial	5.3	5.4	5.5	5.5	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.3	6.6	0.3%
Transportation	7.3	7.3	7.5	7.5	7.7	7.8	7.8	7.9	8.1	8.2	8.3	8.3	8.3	8.6	0.8%
All Sectors Average	7.3	7.3	7.5	7.5	7.7	7.7	7.8	7.9	8.1	8.2	8.3	8.3	8.2	8.5	0.2%
Prices by Service Category (2004 cents per kilowatthour)															
Generation	4.9	4.9	5.1	5.1	5.3	5.4	5.5	5.6	5.8	5.9	6.0	6.0	6.0	6.3	0.4%
Transmission	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8%
Distribution	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	-1.0%
Fuel Consumption (quadrillion Btu) 9/															
Coal	1.22	1.22	1.22	1.21	1.21	1.21	1.21	1.24	1.24	1.24	1.29	1.40	1.51	1.55	1.4%
Natural Gas	1.38	1.40	1.43	1.44	1.46	1.47	1.49	1.49	1.50	1.53	1.52	1.44	1.37	1.37	0.8%
Oil	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.7%
Total	2.61	2.63	2.66	2.67	2.69	2.70	2.71	2.74	2.76	2.78	2.82	2.85	2.89	2.93	1.1%
Fuel Prices (dollars per million Btu)															
Coal	1.43	1.42	1.42	1.43	1.43	1.43	1.42	1.43	1.42	1.43	1.47	1.53	1.58	1.60	0.7%
Natural Gas	4.65	4.83	4.94	4.99	5.13	5.22	5.29	5.41	5.54	5.62	5.71	5.74	5.79	5.94	0.1%
Distillate Fuel	8.98	9.18	9.26	9.35	9.40	9.58	9.65	9.74	9.83	9.87	9.89	9.98	10.05	10.15	0.3%
Residual Fuel	6.61	6.64	6.68	6.85	6.87	6.90	6.97	7.11	7.18	7.22	7.28	14.90	14.90	14.90	4.1%
Biomass	1.69	1.69	1.65	1.68	1.68	1.69	1.72	1.82	1.84	1.88	1.90	1.96	1.97	1.98	4.0%
Emissions 10/															
Total Carbon (million tons)	57.60	57.96	58.39	58.51	58.85	59.05	59.25	59.95	60.25	60.60	61.99	63.75	65.83	66.93	1.2%
Carbon Dioxide (million tons)	211.20	212.54	214.11	214.54	215.77	216.51	217.25	219.81	220.90	222.19	227.28	233.76	241.36	245.40	1.2%
Sulfur Dioxide (million tons)	0.16	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	-2.7%
Nitrogen Oxide (million tons)	0.11	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	-2.3%
Mercury (tons)	0.97	0.90	0.85	0.86	0.90	0.91	0.87	0.90	0.97	0.88	0.96	0.93	0.91	1.07	-4.4%

Table 61. Electric Power Projections by Electricity Market Module Region
Electric Reliability Council of Texas

1/ Net summer capacity is the steady hourly output that generating equipment is expected to supply to system load (exclusive of auxiliary power), as demonstrated by tests during summer peak demand. Includes electric utilities, small power producers, and exempt wholesale generators.

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

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

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

5/ Primarily peak-load capacity fueled by natural gas.

6/ Cumulative additions after December 31, 2004.

7/ Generation to meet system load by source.

8/ Includes combined heat and power plants and electricity-only plants in the commercial and industrial sectors; and small on-site generating systems in the residential, commercial, and industrial sectors used primarily for own-use generation, but which may also sell some power to the grid.

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

10/ Estimated emissions from utilities and nonutilities (excluding combined heat and power).

N/A = Not applicable.

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

Sources: 2003 and 2004 electricity generating capacity and projected planned additions: Energy Information Administration (EIA), Form EIA-860, "Annual Electric Generator Report" (preliminary). Other 2003 and 2004 data: Annual Energy Review 2004, DOE/EIA-0384(2004) (Washington, DC, September 2005) and supporting databases. Projections: EIA, AEO2006 National Energy Modeling System run aeo2006.d111905a.