

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Tennessee		
NERC Region(s).....		SERC
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	20,905	18
Electric Utilities.....	19,768	12
Independent Power Producers & Combined Heat and Power.....	1,137	38
Net Generation (megawatthours).....	93,911,102	17
Electric Utilities.....	90,960,035	13
Independent Power Producers & Combined Heat and Power.....	2,951,067	40
Emissions (thousand metric tons)		
Sulfur Dioxide	270	14
Nitrogen Oxide.....	100	14
Carbon Dioxide.....	61,380	14
Sulfur Dioxide (lbs/MWh)	6.3	16
Nitrogen Oxide (lbs/MWh)	2.3	24
Carbon Dioxide (lbs/MWh).....	1,441	23
Total Retail Sales (megawatthours)	103,931,744	13
Full Service Provider Sales (megawatthours)	103,931,744	11
Direct Use (megawatthours)	2,376,179	13
Average Retail Price (cents/kWh).....	6.97	36

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capacity, 2006

Plant	Primary Energy Source or Technology	Operating Company	Net Summer Capacity (MW)
Tennessee			
1. Cumberland	Coal	Tennessee Valley Authority	2,462
2. Johnsonville	Coal	Tennessee Valley Authority	2,335
3. Sequoyah	Nuclear	Tennessee Valley Authority	2,277
4. Raccoon Mountain.....	Pumped Storage	Tennessee Valley Authority	1,635
5. Gallatin	Coal	Tennessee Valley Authority	1,563
6. Kingston.....	Coal	Tennessee Valley Authority	1,411
7. Allen Steam Plant	Coal	Tennessee Valley Authority	1,197
8. Watts Bar Nuclear Plant	Nuclear	Tennessee Valley Authority	1,121
9. Lagoon Creek	Gas	Tennessee Valley Authority	941
10. Bull Run.....	Coal	Tennessee Valley Authority	885

See footnotes at end of tables.

Table 3. Top Five Retailers of Electricity, with End Use Sectors, 2006
(Megawatthours)

Entity	Type of Provider	All Sectors	Residential	Commercial	Industrial	Transportation
Tennessee						
1. Memphis City of.....	Public	14,862,652	5,675,662	5,045,371	4,140,188	1,431
2. Nashville Electric Service	Public	12,353,971	4,666,565	4,481,987	3,205,419	-
3. Tennessee Valley Authority	Federal	9,004,270	-	-	9,004,270	-
4. Knoxville Utilities Board.....	Public	5,737,783	2,435,200	1,859,243	1,443,340	-
5. Chattanooga City of.....	Public	5,715,089	2,103,938	1,882,545	1,728,606	-
Total Sales, Top Five Providers		47,673,765	14,881,365	13,269,146	19,521,823	1,431
Percent of Total State Sales		46	36	46	57	100

See footnotes at end of tables.

Table 4. Electric Power Net Summer Capacity by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatts)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Tennessee										
Electric Utilities.....	16,996	16,144	18,600	19,137	19,235	19,239	19,120	19,768	97.8	94.6
Coal.....	9,289	8,615	8,618	8,602	8,609	8,623	8,618	8,585	53.4	41.1
Petroleum.....	1,152 ^R	1,096 ^R	836	56	56	56	58	58	6.6	0.3
Natural Gas	516 ^R	472 ^R	1,960	3,116	3,128	3,137	3,032	3,659	3.0	17.5
Nuclear.....	2,296	2,217	3,367	3,389	3,398	3,398	3,398	3,398	13.2	16.3
Hydroelectric	2,211	2,212	2,239	2,348	2,389	2,429	2,415	2,429	12.7	11.6
Other Renewables.....	-	-	2	2	2	-	2	4	-	*
Pumped Storage.....	1,532	1,532	1,578	1,624	1,652	1,597	1,597	1,635	8.8	7.8
Independent Power Producers and Combined Heat and Power	387	614	1,559	1,587	1,659	1,702	1,629	1,137	2.2	5.4
Coal.....	314	332	295	276	276	276	256	256	1.8	1.2
Natural Gas	24	28	1,026	1,034	1,106	1,106	1,034	494	0.1	2.4
Hydroelectric	-	170	165	165	165	179	193	209	-	1.0
Other Renewables.....	11	46	74	112	112	141	146	179	0.1	0.9
Other	38	38	-	-	-	-	-	-	0.2	-
Total Electric Industry.....	17,383	16,759	20,160	20,723	20,893	20,941	20,749	20,905	100.0	100.0
Coal.....	9,603	8,947	8,913	8,878	8,885	8,899	8,874	8,841	55.2	42.3
Petroleum.....	1,152 ^R	1,096 ^R	836	56	56	56	58	58	6.6	0.3
Natural Gas	540 ^R	500 ^R	2,986	4,150	4,234	4,243	4,066	4,153	3.1	19.9
Nuclear.....	2,296	2,217	3,367	3,389	3,398	3,398	3,398	3,398	13.2	16.3
Hydroelectric	2,211	2,382	2,404	2,513	2,554	2,608	2,608	2,638	12.7	12.6
Other Renewables.....	11	46	76	114	114	141	148	182	0.1	0.9
Pumped Storage.....	1,532	1,532	1,578	1,624	1,652	1,597	1,597	1,635	8.8	7.8
Other	38	38	-	-	-	-	-	-	0.2	-

See footnotes at end of tables.

Table 5. Electric Power Net Generation by Primary Energy Source and Industry Sector, 1990, 1995, and 2001 Through 2006
(Megawatthours)

Energy Source	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Tennessee										
Electric Utilities.....	73,902,614	82,277,534	92,937,315	92,570,929	88,678,127	94,371,964	93,942,273	90,960,035	97.0	96.9
Coal.....	50,186,951	57,971,909	58,166,973	58,080,553	53,376,149	56,583,558	57,560,600	59,146,323	65.9	63.0
Petroleum.....	134,397	252,611	379,703	250,325	379,007	166,943	201,121	137,187	0.2	0.1
Natural Gas.....	41,463	158,234	5,316	40,414	408,059	173,999	434,043	494,104	0.1	0.5
Nuclear.....	14,002,591	15,708,421	28,576,431	27,573,925	24,152,580	28,612,271	27,803,108	24,678,777	18.4	26.3
Hydroelectric.....	10,015,363	8,801,848	6,542,616	7,317,487	11,087,048	9,649,206	8,537,997	7,167,342	13.1	7.6
Other Renewables.....	-	-	-	4,068	3,933	3,813	3,339	3,842	-	*
Pumped Storage.....	-478,151	-615,489	-733,724	-695,843	-728,649	-817,826	-597,935	-667,540	-0.6	-0.7
Independent Power Producers and Combined Heat and Power.....	2,284,995	3,453,301	3,284,661	3,543,333	3,543,663	3,222,578	3,174,892^R	2,951,067	3.0	3.1
Coal.....	1,638,655	1,503,095	1,563,059	1,625,128	1,545,148	1,733,922	1,716,869 ^R	1,672,682	2.2	1.8
Petroleum.....	2,670	4,774	20,361	19,288	26,803	23,414	29,406	23,118	*	*
Natural Gas.....	182,683	316,861	450,187	429,159	218,927	126,503	101,527	152,677	0.2	0.2
Other Gases.....	4,210	11,062	18,496	11,873	2,834	-	-	-	*	-
Hydroelectric.....	-	826,703	403,913	656,175	916,598	758,906	771,544	581,308	-	0.6
Other Renewables.....	411,777	632,743	822,025	796,160	825,903	579,834	555,546	521,282	0.5	0.6
Other.....	45,000	158,063	6,620	5,550	7,451	-	-	-	0.1	-
Total Electric Industry.....	76,187,609	85,730,835	96,221,976	96,114,262	92,221,790	97,594,542	97,117,165^R	93,911,102	100.0	100.0
Coal.....	51,825,606	59,475,004	59,730,032	59,705,681	54,921,297	58,317,480	59,277,469 ^R	60,819,005	68.0	64.8
Petroleum.....	137,067	257,385	400,064	269,613	405,810	190,357	230,527	160,305	0.2	0.2
Natural Gas.....	224,146	475,095	455,503	469,573	626,986	300,502	535,570	646,781	0.3	0.7
Other Gases.....	4,210	11,062	18,496	11,873	2,834	-	-	-	*	-
Nuclear.....	14,002,591	15,708,421	28,576,431	27,573,925	24,152,580	28,612,271	27,803,108	24,678,777	18.4	26.3
Hydroelectric.....	10,015,363	9,628,551	6,946,529	7,973,662	12,003,646	10,408,112	9,309,541	7,748,650	13.1	8.3
Other Renewables.....	411,777	632,743	822,025	800,228	829,836	583,647	558,885	525,124	0.5	0.6
Pumped Storage.....	-478,151	-615,489	-733,724	-695,843	-728,649	-817,826	-597,935	-667,540	-0.6	-0.7
Other.....	45,000	158,063	6,620	5,550	7,451	-	-	-	0.1	-

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices and Quality for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2001 Through 2006

Fuel, Quality	1990	1995	2001	2002	2003	2004	2005	2006
Tennessee								
Coal (cents per million Btu)	134	115	122	W	W	W	W	W
Average heat value (Btu per pound)	11,966	12,130	12,155	11,615	11,465	11,457	10,993	10,819
Average sulfur Content (percent)	2.00	1.97	1.36	1.32	1.19	1.27	1.09	1.11
Petroleum (cents per million Btu)	561	397	554	536	619	842	1,262	1,400
Average heat value (Btu per gallon)	138,824	138,262	145,952	139,900	139,902	139,357	137,160	136,379
Average sulfur Content (percent)	0.49	0.50	0.50	0.50	0.50	0.50	0.42	0.40
Natural Gas (cents per million Btu)	-	-	-	323	620	W	870	W
Average heat value (Btu per cubic foot)	-	-	-	1,024	1,025	1,035	1,032	1,030

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2001 Through 2006
(Thousand Metric Tons)

Emission Type	1990	1995	2001	2002	2003	2004	2005	2006
Tennessee								
Sulfur Dioxide								
Coal.....	760	494	360	339	336	310	270	263
Petroleum.....	*	*	1	1	1	1	1	*
Natural Gas.....	*	*	*	*	*	-	-	-
Other.....	3	5	7	7	7	8	7	6
Total.....	764	500	368	347	345	318	278	270
Nitrogen Oxide								
Coal.....	237	239	149	147	124	103	95	98
Petroleum.....	*	*	2	1	2	*	*	*
Natural Gas.....	1	1	1	1	2	*	1	1
Other.....	1	2	5	4	1	2	1	1
Total.....	239	243	157	153	129	105	97	100
Carbon Dioxide								
Coal.....	52,061	57,609	60,232	58,261	54,739	57,995	59,126	60,597
Petroleum.....	106	209	434	268	460	242	286	209
Natural Gas.....	416	729	565	506	571	320	445	564
Other Renewables.....	136	114	94	30	8	16	25	9
Total.....	52,720	58,660	61,325	59,065	55,778	58,573	59,882	61,380

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Prices by Sector, 1990, 1995, and 2001 Through 2006

Sector	1990	1995	2001	2002	2003	2004	2005	2006	Percentage Share	
									1990	2006
Tennessee										
Retail Sales (thousand megawatthours)										
Residential.....	28,757	30,967	36,932	38,752	37,697	38,526	41,132	40,816	37.3	39.3
Commercial.....	12,128	5,176	25,974	26,523	27,481	28,249	29,146	29,033	15.7	27.9
Industrial.....	35,313	44,828	32,149	31,845	32,278	32,885	33,625	34,081	45.8	32.8
Other.....	947	1,060	1,077	1,113	NA	NA	NA	NA	1.2	NA
Transportation.....	NA	NA	NA	NA	NA	1	1	1	NA	*
All Sectors.....	77,145	82,030	96,131	98,233	97,456	99,661	103,905	103,932	100.0	100.0
Retail Revenue (million dollars).....										
Residential.....	1,637	1,832	2,335	2,483	2,467	2,657	2,872	3,164	40.0	43.7
Commercial.....	739	344	1,639	1,712	1,836	1,992	2,090	2,323	18.0	32.1
Industrial.....	1,656	2,018	1,301	1,322	1,384	1,466	1,591	1,761	40.4	24.3
Other.....	65	80	95	99	NA	NA	NA	NA	1.6	NA
Transportation.....	NA	NA	NA	NA	NA	*	*	*	NA	*
All Sectors.....	4,096	4,274	5,370	5,616	5,687	6,115	6,553	7,248	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential.....	5.69	5.91	6.32	6.41	6.55	6.90	6.98	7.75	NA	NA
Commercial.....	6.09	6.65	6.31	6.45	6.68	7.05	7.17	8.00	NA	NA
Industrial.....	4.69	4.50	4.05	4.15	4.29	4.46	4.73	5.17	NA	NA
Other.....	6.86	7.56	8.83	8.92	NA	NA	NA	NA	NA	NA
Transportation.....	NA	NA	NA	NA	NA	11.75	11.46	11.18	NA	NA
All Sectors.....	5.31	5.21	5.59	5.72	5.84	6.14	6.31	6.97	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2006

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Number of Entities	3	62	1	25	5	NA	NA	96
Number of Retail Customers	46,231	2,113,801	37	904,541	5	NA	NA	3,064,615
Retail Sales (thousand megawatthours)	1,999	70,321	9,004	21,413	1,194	NA	NA	103,932
Percentage of Retail Sales	1.92	67.66	8.66	20.60	1.15	NA	NA	100.00
Revenue from Retail Sales (million dollars)	93	5,115	358	1,658	24	NA	NA	7,248
Percentage of Revenue	1.29	70.57	4.94	22.87	0.33	NA	NA	100.00
Average Retail Price (cents/kWh)	4.68	7.27	3.97	7.74	2.01	NA	NA	6.97

Table 9 Notes: Data are shown for All Sectors. Full Service Providers sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as independent Power Producers or other full service providers) prior to delivery. Other Providers sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. "Federal" entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its services. The cooperative will generate, transmit and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Facility" sales represent direct electricity transactions from independent generators to end use consumers.

Table 10. Supply and Disposition of Electricity, 1990, 1995, and 2001 Through 2006
(Million Kilowatthours)

Category	1990	1995	2001	2002	2003	2004	2005	2006
Tennessee								
Supply								
Generation								
Electric Utilities	73,903	82,278	92,937	92,571	88,678	94,372	93,942	90,960
Independent Power Producers	-	20	247	208	55	29	39	119
Combined Heat and Power, Electric	-	-	*	*	-	-	-	-
Electric Power Sector Generation Subtotal	73,903	82,297	93,185	92,779	88,734	94,401	93,981	91,079
Combined Heat and Power, Commercial	87	78	107	86	112	111	101	108
Combined Heat and Power, Industrial	2,198	3,355	2,931	3,249	3,376	3,083	3,035	2,724
Industrial and Commercial Generation Subtotal	2,285	3,433	3,037	3,336	3,488	3,194	3,136	2,832
Total Net Generation	76,188	85,731	96,222	96,114	92,222	97,595	97,117	93,911
Total International Imports	-	-	-	-	*	*	-	-
Total Supply	76,188	85,731	96,222	96,114	92,222	97,595	97,117	93,911
Disposition								
Retail Sales								
Full Service Providers	77,145	82,030	96,131	98,233	96,384	99,661	102,292	102,737
Facility Direct Retail Sales	-	-	-	-	1,072	-	1,614	1,194
Total Electric Industry Retail Sales	77,145	82,030	96,131	98,233	97,456	99,661	103,905	103,932
Direct Use	2,255	3,391	3,276	3,347	3,389	3,393	1,809	2,376
Estimated Losses	5,784	6,227	3,080	4,954	3,991	4,881	6,024	5,415
Total Disposition	85,184	91,649	102,486	106,534	104,836	107,935	111,738	111,723
Net Interstate Trade	-8,996	-5,918	-6,264	-10,420	-12,614	-10,340	-14,621	-17,812
Net Trade Index (ratio)	0.89	0.94	0.94	0.90	0.88	0.90	0.87	0.84

R = Revised.

NA = Not applicable; NM = Not meaningful.

W = Withheld to avoid disclosure of individual company data.

- = Data not available.

* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is 1 and values under 0.5 are shown as *.)

Totals may not equal sum of components because of independent rounding.

Table 10 Notes: Estimated Losses are reported at the utility level, and then allocated to States based on the utility's retail sales by State. Reported losses may include electricity unaccounted for by the utility. Net Interstate Trade represents the difference between the amount of electricity produced in the State and consumed in the State. Positive values indicate a State that is a net interstate exporter of electricity; negative values indicate a State that is a net interstate importer of electricity. The Net Trade Index represents a State's electricity self-sufficiency. Values greater than 1 indicate that, on an annual net basis, the State supplied electricity consumed outside the State; values less than 1 indicate that, on an annual net basis, the State consumed electricity produced outside the State.

General Notes: Table 4 "Other Renewables" includes wood, black liquor, other wood waste, municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. The "Other" category includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. However, Table 5 "Other Renewables" includes only biogenic municipal solid waste, in addition to wood, black liquor, other wood waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind. In Table 5 "Other" includes Non-biogenic municipal solid waste, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies. In Table 7, "Other Renewables" emissions include biogenic municipal solid waste, and other renewable waste.

Direct use is commercial or industrial use of electricity that (1) is self-generated (2) is produced by either the same entity that consumes the power or an affiliate, and (3) is used in direct support of a service or industrial process located within the same facility or group of facilities that houses the generating equipment. Direct use is exclusive of station use.