**Table 1. 1998 Summary Statistics**

Item	Value	U.S. Rank	Item	Value	U.S. Rank
NERC Region(s) .....		SERC	<b>Utility</b>		
Net Exporter or Importer .....		Exporter	Capability (MW) .....	17,546	15
Primary Generating Fuel .....		Coal	Generation (MWh) .....	94,142,638	13
Population (as of 7/98) .....	5,432,679	17	Average Age of Plants (years)		
Average Electricity Price (cents/kWh) <sup>a</sup>	5.62	15	Coal-fired .....	36	
Industrial .....	4.17	21	Petroleum-fired .....	23	
Commercial .....	6.28	19	Gas-fired .....	27	
Residential .....	6.32	7	Nuclear .....	12	
<b>Industry</b>			Hydroelectric .....	37	
Capability (MW) .....	18,180	16	<b>Nonutility</b>		
Generation (MWh) .....	97,730,651	14	Capability (MW) .....	634	28
Capability/person (KWe/person) .....	3.35	20	Share of Capability (Percent) ...	3.5	39
Generation/person (MWh/person) .....	17.99	13	Generation (MWh) .....	3,588,013	26
Emissions (Thousand Short Tons)			Share of Generation (Percent) ..	3.7	36
Sulfur Dioxide .....	419	12			
Nitrogen Oxide .....	193	15			
Carbon Dioxide .....	58,054	15			
Sulfur Dioxide/sq. mile (Tons) .....	10.16	12			
Nitrogen Oxides/sq. mile (Tons) .....	4.69	15			
Carbon Dioxide/sq. mile (Tons) .....	1,408.43	18			

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**Table 2. Five Largest Plants, 1998**

Plant	Energy <sup>b</sup> Source	Operating Company	Net Capability (MW)	Age (Years)
1. Cumberland .....	Coal	Tennessee Valley Authority	2,448	25
2. Sequoyah .....	Nuclear	Tennessee Valley Authority	2,239	17
3. Johnsonville .....	Coal, Petroleum	Tennessee Valley Authority	2,152	47
4. Raccoon Mountain .....	Hydro	Tennessee Valley Authority	1,532	20
5. Kingston .....	Coal	Tennessee Valley Authority	1,434	44

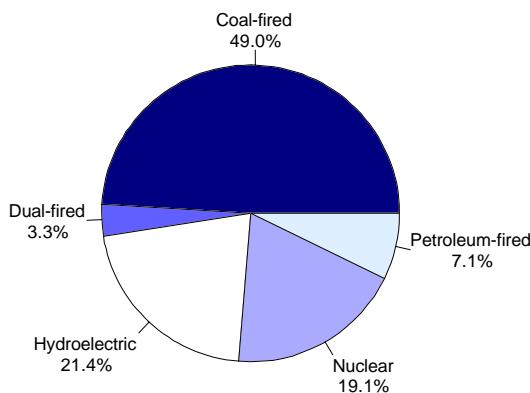
**Table 3. Top Five Utilities Ranked by Retail Sales Revenue Within the State, 1998**  
(Million Dollars)

Utility	All Sectors	Residential	Commercial	Industrial	Other
A. City of Memphis .....	814	345	278	180	12
B. Nashville Electric Service .....	664	267	252	134	11
C. City of Chattanooga .....	321	125	113	78	4
D. City of Knoxville .....	300	140	98	57	5
E. Tennessee Valley Authority .....	261	--	--	260	1
Total .....	2,359	875	741	709	33
Percentage of Utility Sales .....	46	39	48	56	37

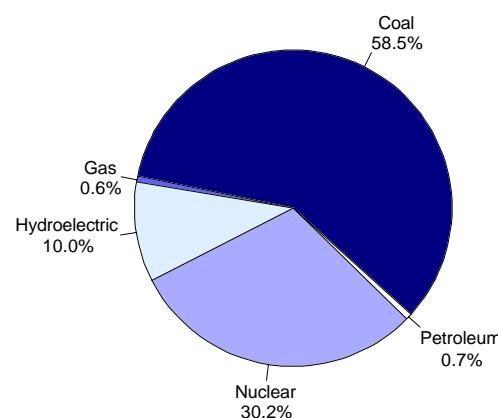
**Table 4. Electric Power Industry Generating Capability by Plant Type, 1988, 1993, and 1998**  
(Megawatts Electric)

Plant Type	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Total Utility .....	16,996	16,224	17,546	0.3	97.5	97.5	96.5
Coal-fired .....	9,289	8,691	8,604	-0.8	53.3	52.2	47.3
Petroleum-fired ....	1,152	1,080	1,252	0.8	6.6	6.5	6.9
Dual-fired .....	516	488	571	1.0	3.0	2.9	3.1
Nuclear .....	2,296	2,217	3,357	3.9	13.2	13.3	18.5
Hydroelectric .....	3,743	3,748	3,762	0.1	21.5	22.5	20.7
Total Nonutility .....	430	416	634	4.0	2.5	2.5	3.5
Industry .....	17,426	16,640	18,180	0.4	100.0	100.0	100.0

**Figure 1. Utility Generating Capability by Plant Type, 1998**



**Figure 2. Utility Generation by Primary Energy Source, 1998**



**Table 5. Electric Power Industry Generation of Electricity by Primary Energy Source, 1988, 1993, and 1998**  
(Megawatthours)

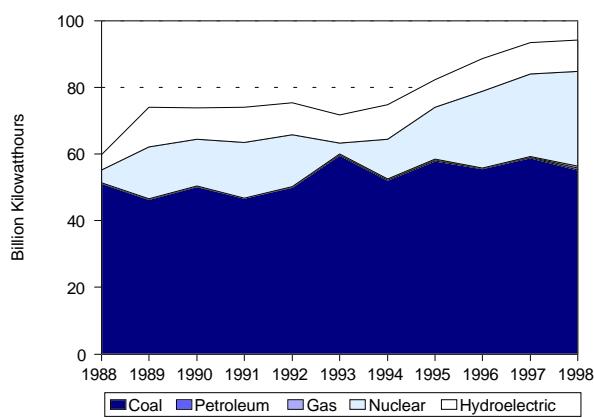
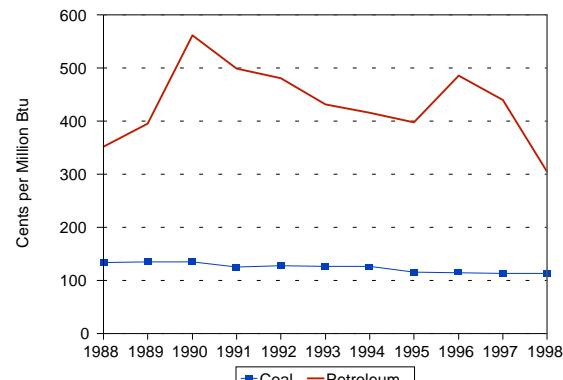
Fuel	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Total Utility . . . . .	59,857,653	71,614,268	94,142,638	4.6	96.2	96.9	96.3
Coal . . . . .	51,122,426	59,559,596	55,120,297	0.8	82.2	80.6	56.4
Petroleum . . . . .	187,473	234,545	699,233	14.1	0.3	0.3	0.7
Gas . . . . .	15,909	121,222	550,543	42.5	*	0.2	0.6
Nuclear . . . . .	3,940,416	3,304,836	28,387,543	21.8	6.3	4.5	29.0
Hydroelectric . . . . .	4,591,429	8,394,069	9,385,022	7.4	7.4	11.4	9.6
Total Nonutility . . . . .	2,372,443	2,271,133	3,588,013	4.2	3.8	3.1	3.7
Industry . . . . .	62,230,096	73,885,401	97,730,651	4.6	100.0	100.0	100.0

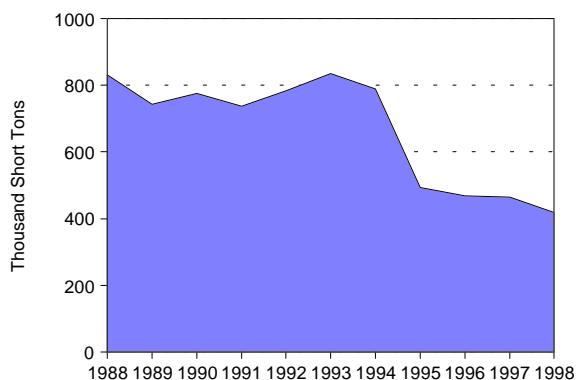
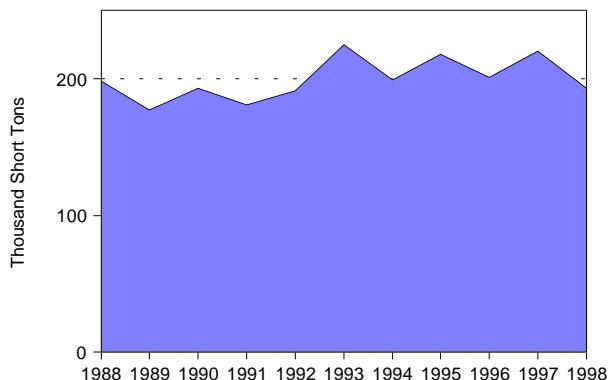
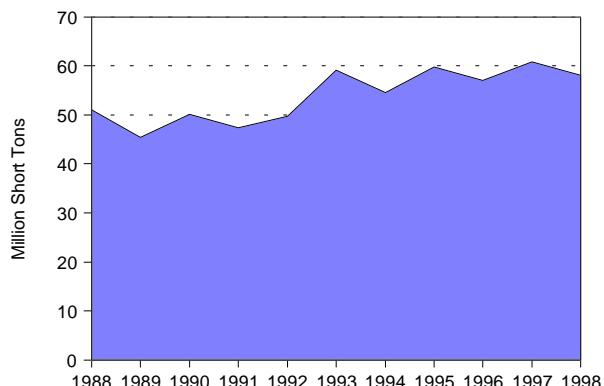
**Table 6. Utility Delivered Fuel Prices for Coal, Petroleum, and Gas, 1988, 1993, and 1998**  
(Cents per Million Btu, 1998 Dollars)

Fuel	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)
Coal . . . . .	133.5	126.1	112.5	-1.7
Petroleum . . . . .	350.9	431.3	304.5	-1.4

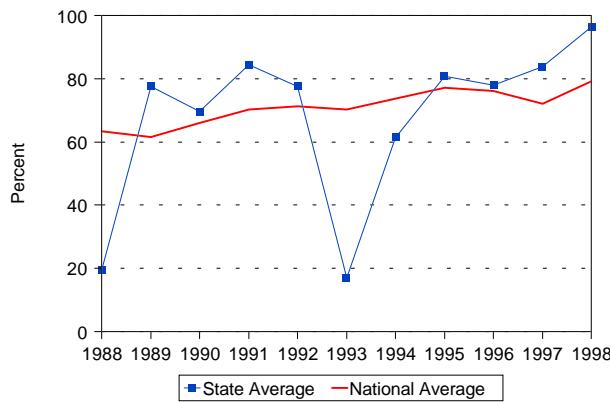
**Table 7. Electric Power Industry Emissions Estimates, 1988, 1993, and 1998**  
(Thousand Short Tons)

Emission Type	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)
Sulfur Dioxide . . . . .	831	834	419	-6.6
Nitrogen Oxides <sup>c</sup> . . . . .	198	225	193	-0.3
Carbon Dioxide <sup>c</sup> . . . . .	50,998	59,124	58,054	1.2

**Figure 3. Utility Generation of Electricity by Primary Energy Source, 1988-1998****Figure 4. Utility Delivered Fuel Prices for Coal, Petroleum, and Gas, 1988-1998**  
(1998 Dollars)

**Figure 5. Estimated Sulfur Dioxide Emissions,  
1988-1998****Figure 6. Estimated Nitrogen Oxide Emissions,  
1988-1998****Figure 7. Estimated Carbon Dioxide Emissions,  
1988-1998****Table 8. Utility Retail Sales by Sector, 1988, 1993, and 1998  
(Megawatthours)**

Sector	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Residential . . .	27,959,590	30,199,490	35,427,693	2.4	38.4	37.8	38.6
Commercial . .	9,501,526	5,174,642	24,840,012	10.1	13.0	6.5	27.1
Industrial . . . .	34,430,949	43,530,194	30,461,384	-1.2	47.3	54.5	33.2
Other . . . . .	979,804	927,855	1,020,800	0.4	1.3	1.2	1.1
Total . . . . .	72,871,861	79,832,181	91,749,889	2.3	100.0	100.0	100.0

**Figure 8. Nuclear Power Capacity Factor Comparison, 1988-1998****Table 9. Utility Retail Sales Statistics, 1988, 1993, and 1998**

Item	Investor-Owned	Public	Federal	Cooperative	Total
<b>1988</b>					
Number of Utilities .....	4	63	1	25	93
Number of Retail Customers .....	37,469	1,609,799	42	570,250	2,217,560
Retail Sales (MWh) .....	3,130,329	48,635,363	9,658,327	11,447,842	72,871,861
Percentage of Retail Sales .....	4.3	66.7	13.3	15.7	100.0
Revenue from Retail Sales (million 1998 dollars) <sup>d</sup> .....	94	3,414	719	865	5,093
Percentage of Revenue .....	1.8	67	14.1	17	100
<b>1993</b>					
Number of Utilities .....	4	63	1	26	94
Number of Retail Customers .....	40,356	1,721,353	42	642,394	2,404,145
Retail Sales (MWh) .....	3,357,413	53,612,065	9,363,015	13,499,688	79,832,181
Percentage of Retail Sales .....	4.2	67.2	11.7	16.9	100.0
Revenue from Retail Sales (million 1998 dollars) <sup>d</sup> .....	101	3,211	408	869	4,590
Percentage of Revenue .....	2.2	70	8.9	18.9	100.0
<b>1998</b>					
Number of Utilities .....	3	63	1	25	92
Number of Retail Customers .....	43,686	1,894,565	41	747,385	2,685,677
Retail Sales (MWh) .....	1,788,584	64,586,807	8,595,220	16,779,278	91,749,889
Percentage of Retail Sales .....	1.9	70.4	9.4	18.3	100.0
Revenue from Retail Sales (million 1998 dollars) <sup>d</sup> .....	79	3,764	261	1,051	5,155
Percentage of Revenue .....	1.5	73	5.1	20.4	100.0