Table 1. 2003 Summary Statistics

Item	Value	U.S. Rank
Missouri		
NERC Region(s)		SPP/MAIN
Primary Energy Source		Coal
Net Summer Capability (megawatts)	19,976	19
Electric Utilities	18,587	13
Independent Power Producers & Combined Heat and Power	1,391	36
Net Generation (megawatthours)	87,225,087	20
Electric Utilities	86,102,107	11
Independent Power Producers & Combined Heat and Power	1,122,980	43
Emissions (thousand metric tons)		
Sulfur Dioxide	258	16
Nitrogen Oxide	136	11
Carbon Dioxide	75,640	11
Sulfur Dioxide (lbs/MWh)	6.5	18
Nitrogen Oxide (lbs/MWh)	3.4	16
Carbon Dioxide (lbs/MWh)	1,912	13
Total Retail Sales (megawatthours)	74,239,888	20
Full Service Provider Sales (megawatthours)	74,239,888	19
Direct Use (megawatthours)	304,828	41
Average Retail Price (cents/kWh)	6.02	38

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2003

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
Missouri			
1. Labadie	Petroleum, Coal	Union Electric Co	2,421
2. Rush Island	Petroleum, Coal	Union Electric Co	1,194
3. New Madrid	Petroleum, Coal	Associated Electric Coop Inc	1,160
4. Callaway	Nuclear	Union Electric Co	1,137
5. Thomas Hill	Petroleum, Coal	Associated Electric Coop Inc	1,120
6. Hawthorn	Gas, Coal	Kansas City Power & Light Co	988
7. Sioux	Petroleum, Other, Coal	Union Electric Co	978
8. Meramec	Petroleum, Gas, Coal	Union Electric Co	876
9. Iatan	Petroleum, Coal	Kansas City Power & Light Co	670
10. Audrain Generating Station	Petroleum, Coal	NRG South Central Ops Inc	640

See footnotes at end of tables.

Table 3. Top Five Providers of Retail Electricity, 2003
(Megawatthours)

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
Missouri						
1. Union Electric Co	Investor-Owned	31,901,036	12,354,426	13,508,824	6,037,786	0
2. Kansas City Power & Light Co	Investor-Owned	8,256,870	2,448,487	4,156,077	1,652,306	0
3. Aquila Inc	Investor-Owned	7,043,933	3,100,495	2,671,130	1,272,308	0
4. Empire District Electric Co	Investor-Owned	3,774,381	1,526,076	1,375,511	872,794	0
5. Springfield City of	Public	2,813,462	878,728	1,456,169	478,565	0
Total Sales, Top Five Providers		53,789,682	20,308,212	23,167,711	10,313,759	0
Percent of Total State Sales		72	65	83	70	0

See footnotes at end of tables.

Table 4. Electric Power Industry Net Summer Capability by Primary Energy Source, 1994, 1998, and 2003
(Megawatts)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Missouri							
Electric Utilities	**15,488**	**16,282**	**18,587**	**2.0**	**99.3**	**99.4**	**93.0**
Coal	10,754	10,943	11,172	.4	68.9	66.8	55.9
Petroleum	1,035	1,072	1,144	1.1	6.6	6.5	5.7
Natural Gas	312	601	1,494	19.0	2.0	3.7	7.5
Dual Fired	1,162	1,323	2,427	8.5	7.4	8.1	12.1
Nuclear	1,115	1,143	1,137	.2	7.1	7.0	5.7
Hydroelectric	543	543	556	.3	3.5	3.3	2.8
Pumped Storage	567	657	657	1.6	3.6	4.0	3.3
Independent Power Producers and Combined Heat and Power	**111**	**105**	**1,391**	**32.4**	**.7**	**.6**	**7.0**
Coal	96	93	96	.0	.6	.6	.5
Petroleum	8	9	11	3.6	.1	.1	.1
Natural Gas	3	3	1,261	95.7	*	*	6.3
Dual Fired	4	0	23	21.5	*	.0	.1
Total Electric Industry	**15,599**	**16,387**	**19,976**	**2.8**	**100.0**	**100.0**	**100.0**
Coal	10,851	11,036	11,267	.4	69.6	67.3	56.4
Petroleum	1,043	1,081	1,154	1.1	6.7	6.6	5.8
Natural Gas	315	604	2,755	27.2	2.0	3.7	13.8
Dual Fired	1,165	1,323	2,450	8.6	7.5	8.1	12.3
Nuclear	1,115	1,143	1,137	.2	7.1	7.0	5.7
Hydroelectric	543	543	556	.3	3.5	3.3	2.8
Pumped Storage	567	657	657	1.6	3.6	4.0	3.3

See footnotes at end of tables.

Table 5. Electric Power Industry Generation by Primary Energy Source, 1994, 1998, and 2003
(Megawatthours)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Missouri							
Electric Utilities	**61,519,090**	**74,894,188**	**86,102,107**	**3.8**	**99.4**	**99.6**	**98.7**
Coal	48,592,766	62,488,551	73,904,272	4.8	78.5	83.1	84.7
Petroleum	730,820	309,734	155,968	–15.8	1.2	.4	.2
Natural Gas	338,101	1,232,461	1,820,848	20.6	.5	1.6	2.1
Other Gases	0	0	1,652	NM	.0	.0	*
Nuclear	10,006,491	8,516,773	9,699,589	–.3	16.2	11.3	11.1
Hydroelectric	1,916,293	2,346,585	652,477	–11.3	3.1	3.1	.7
Other Renewables	6,776	77,787	121,291	37.8	*	.1	.1
Pumped Storage	–72,157	–77,703	–253,991	NM	–.1	–.1	–.3
Independent Power Producers and Combined Heat and Power	**358,588**	**293,158**	**1,122,980**	**13.5**	**.6**	**.4**	**1.3**
Coal	292,853	237,625	307,512	.5	.5	.3	.4
Petroleum	14,395	12,087	946	–26.1	*	*	*
Natural Gas	51,201	32,349	803,502	35.8	.1	*	.9
Other Renewables	139	11,097	11,021	62.6	.0	*	*
Total Electric Industry	**61,877,678**	**75,187,346**	**87,225,087**	**3.9**	**100.0**	**100.0**	**100.0**
Coal	48,885,619	62,726,176	74,211,784	4.7	79.0	83.4	85.1
Petroleum	745,215	321,821	156,914	–15.9	1.2	.4	.2
Natural Gas	389,302	1,264,810	2,624,350	23.6	.6	1.7	3.0
Other Gases	0	0	1,652	NM	.0	.0	*
Nuclear	10,006,491	8,516,773	9,699,589	–.3	16.2	11.3	11.1
Hydroelectric	1,916,293	2,346,585	652,477	–11.3	3.1	3.1	.7
Other Renewables	6,915	88,884	132,312	38.8	*	.1	.2
Pumped Storage	–72,157	–77,703	–253,991	NM	–.1	–.1	–.3

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1994, 1998, and 2003

Fuel, Quality	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
Missouri				
Coal (cents per million Btu)	110.1	91.7	W	W
Average heat value (Btu per pound)	9,718	8,938	8,865	–1.0
Average sulfur Content (percent)	1.0	.4	.4	–10.8
Petroleum (cents per million Btu)	100.8	118.2	W	W
Average heat value (Btu per gallon)	79,641	89,642	137,769	6.3
Average sulfur Content (percent)	3.6	4.1	2.4	–4.4
Natural Gas (cents per million Btu)	189.7	223.4	W	W
Average heat value (Btu per cubic foot)	1,000	1,011	1,016	.2

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1994, 1998, and 2003
(Thousand Metric Tons)

Emission Type	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
Missouri				
Sulfur Dioxide				
Coal	487	259	255	–7.0
Petroleum	6	2	2	–12.1
Natural Gas	—	*	*	NM
Other	—	*	2	NM
Total	493	261	258	–6.9
Nitrogen Oxide				
Coal	255	194	135	–6.8
Petroleum	2	*	*	–25.5
Gas	1	2	1	–2.7
Other	—	*	*	NM
Total	258	197	136	–6.8
Carbon Dioxide				
Coal	48,910	64,532	74,182	4.7
Petroleum	807	310	155	–16.8
Gas	295	914	1,191	16.8
Geothermal	—	—	—	NM
Other	—	—	112	NM
Total	50,011	65,757	75,640	4.7

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1994, 1998, and 2003

Sector	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Missouri							
Retail Sales (thousand megawatthours)							
Residential	24,057	28,265	31,422	3.0	40.3	41.0	42.3
Commercial	20,614	23,920	27,987	3.5	34.5	34.7	37.7
Industrial	14,106	15,801	14,831	.6	23.6	22.9	20.0
Other	916	1,024	NA	NM	1.5	1.5	NA
Total	59,693	69,010	74,240	2.4	100.0	100.0	100.0
Retail Revenue (million dollars)							
Residential	1,754	2,001	2,186	2.5	46.8	47.7	48.9
Commercial	1,278	1,432	1,618	2.7	34.1	34.1	36.2
Industrial	652	699	667	.3	17.4	16.6	14.9
Other	65	64	NA	NM	1.7	1.5	NA
Total	3,749	4,197	4,470	2.0	100.0	100.0	100.0
Average Retail Price (cents/kWh)							
Residential	7.29	7.08	6.96	–.5	NA	NA	NA
Commercial	6.20	5.99	5.78	–.8	NA	NA	NA
Industrial	4.62	4.43	4.49	–.3	NA	NA	NA
Other	7.07	6.25	NA	NM	NA	NA	NA
Total	6.28	6.08	6.02	–.5	NA	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2003

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Missouri								
Number of Entities	4	88	NA	44	1	NA	NA	137
Number of Retail Customers	1,858,353	394,720	NA	665,489	1	NA	NA	2,918,563
Retail Sales (thousand megawatthours)	50,976	10,295	NA	12,949	20	NA	NA	74,240
Percentage of Retail Sales	68.66	13.87	NA	17.44	.03	NA	NA	100.00
Revenue from Retail Sales (million dollars)	3,063	592	NA	814	1	NA	NA	4,470
Percentage of Revenue	68.51	13.25	NA	18.22	.02	NA	NA	100.00
Average Retail Price (cents/kWh)	6.01	5.75	NA	6.29	3.47	NA	NA	6.02

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 service. 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.

Other Notes: NA = Not applicable; NM = Not meaningful;
W = Withheld to avoid disclosure of individual company data;
* = 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 4 ''Other Renewables'' includes generation from municipal solid waste; Table 7 ''Other'' includes emissions from municipal solid 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.