Table 1. 2004 Summary Statistics

Item	Value	U.S. Rank
Missouri		
NERC Region(s)		SPP/MAIN
Primary Energy Source		Coal
Net Summer Capability (megawatts)	20,163	19
Electric Utilities	18,606	13
Independent Power Producers & Combined Heat and Power	1,557	37
Net Generation (megawatthours)	87,632,910	20
Electric Utilities	86,419,717	11
Independent Power Producers & Combined Heat and Power	1,213,193	43
Emissions (thousand metric tons)		
Sulfur Dioxide	270	15
Nitrogen Oxide	117	11
Carbon Dioxide	75,933	12
Sulfur Dioxide (lbs/MWh)	6.8	15
Nitrogen Oxide (lbs/MWh)	2.9	20
Carbon Dioxide (lbs/MWh)	1,910	10
Total Retail Sales (megawatthours)	74,054,296	20
Full Service Provider Sales (megawatthours)	74,054,296	19
Direct Use (megawatthours)	305,146	41
Average Retail Price (cents/kWh)	6.07	41

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2004

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	Other,Petroleum,Coal	Union Electric Co	978
8. Meramec	Gas,Coal	Union Electric Co	929
9. Iatan	Petroleum,Coal	Kansas City Power & Light Co	671
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, 2004
(Megawatthours)

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
Missouri						
1. Union Electric Co	Investor-Owned	32,150,948	12,415,567	13,685,933	6,039,573	9,875
2. Kansas City Power & Light Co	Investor-Owned	8,179,662	2,354,498	4,175,736	1,649,428	0
3. Aquila Inc	Investor-Owned	7,101,608	3,067,857	2,708,276	1,325,475	0
4. Empire District Electric Co	Investor-Owned	3,810,907	1,507,496	1,407,324	896,087	0
5. Springfield City of	Public	2,865,684	882,709	1,454,774	528,201	0
Total Sales, Top Five Providers		54,108,809	20,228,127	23,432,043	10,438,764	9,875
Percent of Total State Sales		73	65	83	73	100

See footnotes at end of tables.

Table 4. Electric Power Industry Net Summer Capability by Primary Energy Source, 1990, 1995, and 2000 Through 2004
(Megawatts)

Energy Source	1990	1995	2000	2001	2002	2003	2004	Percentage Share	
								1990	2004
Missouri									
Electric Utilities	**15,180**	**15,724**	**17,180**	**17,726**	**18,409**	**18,587**	**18,606**	**99.3**	**92.3**
Coal	10,678	10,540	11,032	11,032	11,053	11,172	11,159	69.9	55.3
Petroleum	961	1,351	1,092	1,091	1,121	1,144	1,165	6.3	5.8
Natural Gas	257	324	807	936	1,551	1,494	1,318	1.7	6.5
Dual Fired	1,099	1,275	1,908	2,325	2,342	2,427	2,613	7.2	13.0
Nuclear	1,125	1,125	1,143	1,143	1,143	1,137	1,137	7.4	5.6
Hydroelectric	544	543	543	543	543	556	556	3.6	2.8
Pumped Storage	518	567	657	657	657	657	657	3.4	3.3
Independent Power Producers and Combined Heat and Power	**106**	**109**	**105**	**1,202**	**1,394**	**1,390**	**1,557**	**.7**	**7.7**
Coal	97	96	93	96	96	96	98	.6	.5
Petroleum	1	8	7	9	11	11	11	*	.1
Natural Gas	6	3	4	1,098	1,265	1,261	1,426	*	7.1
Dual Fired	1	1	0	0	23	23	23	*	.1
Total Electric Industry	**15,286**	**15,833**	**17,285**	**18,928**	**19,803**	**19,977**	**20,163**	**100.0**	**100.0**
Coal	10,775	10,636	11,125	11,127	11,148	11,267	11,257	70.5	55.8
Petroleum	962	1,359	1,099	1,099	1,131	1,154	1,176	6.3	5.8
Natural Gas	263	327	811	2,034	2,816	2,755	2,744	1.7	13.6
Dual Fired	1,099	1,276	1,908	2,325	2,365	2,450	2,635	7.2	13.1
Nuclear	1,125	1,125	1,143	1,143	1,143	1,137	1,137	7.4	5.6
Hydroelectric	544	543	543	543	543	556	556	3.6	2.8
Pumped Storage	518	567	657	657	657	657	657	3.4	3.3

See footnotes at end of tables.

Table 5. Electric Power Industry Generation by Primary Energy Source, 1990, 1995, and 2000 Through 2004
(Megawatthours)

Energy Source	1990	1995	2000	2001	2002	2003	2004	Percentage Share 1990	Percentage Share 2004
Missouri									
Electric Utilities	**59,010,858**	**65,400,254**	**76,283,550**	**78,990,878**	**79,796,801**	**86,102,107**	**86,419,717**	**99.4**	**98.6**
Coal	48,501,751	53,582,211	62,624,807	65,445,161	67,147,996	73,904,272	74,711,159	81.7	85.3
Petroleum	89,342	682,321	247,622	637,504	528,353	155,968	195,098	.2	.2
Natural Gas	265,870	1,015,384	2,938,356	3,634,106	2,477,701	1,820,848	1,978,307	.4	2.3
Other Gases	0	0	0	0	0	1,652	2,400	.0	*
Nuclear	7,998,039	8,241,833	9,991,845	8,384,240	8,389,629	9,699,589	7,830,693	13.5	8.9
Hydroelectric	2,192,115	1,918,507	599,920	1,104,135	1,356,928	652,477	1,479,914	3.7	1.7
Other Renewables	0	24,979	73,095	51,592	55,198	121,291	106,822	.0	.1
Pumped Storage	–36,259	–64,981	–192,095	–265,860	–159,004	–253,991	115,325	–.1	.1
Independent Power Producers and Combined Heat and Power	**341,972**	**320,704**	**310,389**	**553,995**	**1,365,396**	**1,122,980**	**1,213,194**	**.6**	**1.4**
Coal	295,042	278,209	278,750	303,522	286,971	307,512	268,923	.5	.3
Petroleum	691	13,940	5,096	181	1,042	946	3,632	*	*
Natural Gas	46,239	28,056	16,785	239,456	1,066,236	803,502	901,820	.1	1.0
Other Renewables	0	499	9,758	10,836	11,147	11,021	38,819	.0	*
Total Electric Industry	**59,352,830**	**65,720,958**	**76,593,939**	**79,544,873**	**81,162,198**	**87,225,087**	**87,632,910**	**100.0**	**100.0**
Coal	48,796,793	53,860,420	62,903,557	65,748,683	67,434,967	74,211,784	74,980,082	82.2	85.6
Petroleum	90,033	696,261	252,718	637,685	529,395	156,914	198,730	.2	.2
Natural Gas	312,109	1,043,440	2,955,141	3,873,562	3,543,937	2,624,350	2,880,127	.5	3.3
Other Gases	0	0	0	0	0	1,652	2,400	.0	*
Nuclear	7,998,039	8,241,833	9,991,845	8,384,240	8,389,629	9,699,589	7,830,693	13.5	8.9
Hydroelectric	2,192,115	1,918,507	599,920	1,104,135	1,356,928	652,477	1,479,914	3.7	1.7
Other Renewables	0	25,478	82,853	62,428	66,345	132,312	145,641	.0	.2
Pumped Storage	–36,259	–64,981	–192,095	–265,860	–159,004	–253,991	115,325	–.1	.1

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2000 Through 2004

Fuel, Quality	1990	1995	2000	2001	2002	2003	2004
Missouri							
Coal (cents per million Btu)	134.8	98.4	91.8	95.8	W	W	W
Average heat value (Btu per pound)	10,400	9,216	8,913	8,944	8,822	8,865	8,838
Average sulfur Content (percent)	2.0	.6	.3	.4	.4	.4	.4
Petroleum (cents per million Btu)	280.2	110.2	263.3	133.9	117.5	W	279.5
Average heat value (Btu per gallon)	107,892	79,069	94,215	136,857	134,476	137,769	139,288
Average sulfur Content (percent)	2.5	3.9	2.5	3.3	3.3	2.4	3.0
Natural Gas (cents per million Btu)	171.5	168.1	439.0	467.0	W	W	W
Average heat value (Btu per cubic foot)	1,018	1,006	1,007	1,022	1,008	1,016	1,016

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2000 Through 2004
(Thousand Metric Tons)

Emission Type	1990	1995	2000	2001	2002	2003	2004
Missouri							
Sulfur Dioxide							
Coal	721	291	212	234	234	255	266
Petroleum	3	4	13	*	*	2	3
Natural Gas	0	0	*	*	*	*	*
Other	0	*	*	*	*	2	1
Total	724	295	225	234	234	258	270
Nitrogen Oxide							
Coal	261	299	146	134	130	135	116
Petroleum	*	2	1	0	*	*	*
Gas	1	2	3	2	1	1	1
Other	0	0	*	*	*	*	*
Total	262	303	149	136	131	136	117
Carbon Dioxide							
Coal	47,115	54,873	64,683	67,114	67,508	74,182	74,293
Petroleum	202	749	252	664	528	155	196
Gas	261	726	1,653	1,794	1,633	1,191	1,342
Geothermal	0	0	0	0	0	0	0
Other	0	0	0	0	52	112	102
Total	47,579	56,348	66,588	69,572	69,721	75,640	75,933

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1990, 1995, and 2000 Through 2004

Sector	1990	1995	2000	2001	2002	2003	2004	Percentage Share	
								1990	2004
Missouri									
Retail Sales (thousand megawatthours)									
Residential	21,652	25,409	29,581	30,168	31,684	31,422	31,351	40.2	42.3
Commercial	18,469	21,606	25,875	26,029	26,796	27,987	28,391	34.2	38.3
Industrial	12,937	14,321	16,080	15,815	15,341	14,831	14,303	24.0	19.3
Other	866	923	1,106	1,201	1,179	NA	NA	1.6	NA
Transportation	NA	NA	NA	NA	NA	0	10	NA	.0
Total	53,925	62,259	72,643	73,213	75,001	74,240	74,054	100.0	100.0
Retail Revenue (million dollars)									
Residential	1,593	1,843	2,084	2,113	2,238	2,186	2,185	45.7	48.6
Commercial	1,193	1,334	1,508	1,533	1,576	1,618	1,648	34.2	36.7
Industrial	640	649	712	695	679	667	661	18.4	14.7
Other	59	65	67	73	73	NA	NA	1.7	NA
Total	3,485	3,892	4,370	4,414	4,565	4,470	4,494	100.0	100.0
Average Retail Price (cents/kWh)									
Residential	7.36	7.25	7.04	7.00	7.06	6.96	6.97	NA	NA
Commercial	6.46	6.18	5.83	5.89	5.88	5.78	5.80	NA	NA
Industrial	4.95	4.53	4.43	4.39	4.42	4.49	4.62	NA	NA
Other	6.81	7.05	6.02	6.08	6.20	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	NA	.00	4.91	NA	NA
Total	6.46	6.25	6.02	6.03	6.09	6.02	6.07	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2004

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Missouri								
Number of Entities	4	88	NA	43	1	NA	NA	136
Number of Retail Customers	1,844,233	401,800	NA	677,591	1	NA	NA	2,923,625
Retail Sales (thousand megawatthours)	51,243	10,413	NA	12,379	20	NA	NA	74,054
Percentage of Retail Sales	69.20	14.06	NA	16.72	.03	NA	NA	100.00
Revenue from Retail Sales (million dollars)	3,064	610	NA	819	1	NA	NA	4,494
Percentage of Revenue	68.19	13.58	NA	18.21	.02	NA	NA	100.00
Average Retail Price (cents/kWh)	5.98	5.86	NA	6.61	3.59	NA	NA	6.07

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.