

**Table 1. 2002 Summary Statistics**

Item	Value	U.S. Rank
<b>Missouri</b>		
NERC Region(s).....		SPP/MAIN
Primary Energy Source .....		Coal
Net Summer Capability (megawatts).....	19,803	18
Electric Utilities .....	18,409	13
Independent Power Producers & Combined Heat and Power .....	1,394	36
Net Generation (megawatthours).....	81,162,198	20
Electric Utilities .....	79,796,801	14
Independent Power Producers & Combined Heat and Power .....	1,365,397	42
Emissions (thousand short tons)		
Sulfur Dioxide.....	246	16
Nitrogen Oxide.....	142	14
Carbon Dioxide.....	77,663	12
Sulfur Dioxide/sq. mile.....	4	25
Nitrogen Oxide/sq. mile.....	2	22
Carbon Dioxide/sq. mile.....	1,127	25
Utility and ESP Retail Electricity Sales (megawatthours).....	75,000,629	19
Utility Retail Electricity Sales (megawatthours) .....	75,000,629	19
Direct Use (megawatthours).....	284,279	36
Average Retail Price (cents/kWh).....	6.09	32

See footnotes at end of tables.

**Table 2. Ten Largest Plants by Generating Capability, 2002**

Plant	Energy Sources	Operating Company	Net Capability (MW)
<b>Missouri</b>			
1. Labadie.....	Petroleum, Coal	Union Electric Co	2,300
2. Rush Island .....	Petroleum, Coal	Union Electric Co	1,166
3. New Madrid.....	Petroleum, Coal	Associated Electric Coop Inc	1,160
4. Callaway.....	Nuclear	Union Electric Co	1,143
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	950
8. Meramec.....	Petroleum, Gas, Coal	Union Electric Co	931
9. Iatan.....	Petroleum, Coal	Kansas City Power & Light Co	670
10. Audrain Generating St.....	Gas	NRG South Central Ops Inc	640

See footnotes at end of tables.

**Table 3. Top Five Utilities Ranked by Retail Sales, 2002**  
(Megawatthours)

Utility	All Sectors	Residential	Commercial	Industrial	Other
<b>Missouri</b>					
A. Union Electric Company .....	32,261,745	12,864,857	13,482,191	5,798,346	116,351
B. Kansas City Power & Light Co.....	8,186,087	2,453,540	4,075,116	1,593,063	64,368
C. UtiliCorp United, Inc.....	6,930,424	3,041,865	2,179,856	1,289,371	419,332
D. Empire District Electric Co.....	3,734,580	1,520,693	1,277,276	847,154	89,457
E. City of Springfield .....	2,801,483	887,043	1,423,018	451,887	39,535
Total .....	53,914,319	20,767,998	22,437,457	9,979,821	729,043
Percentage of Utility Sales.....	72	66	84	65	62

See footnotes at end of tables.

**Table 4. Electric Power Industry Generating Capability by Primary Energy Source, 1993, 1997, and 2002**  
(Megawatts)

Energy Source	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)	Percentage Share 1993	Percentage Share 1997	Percentage Share 2002
<b>Missouri</b>							
Coal .....	10,738	10,920	11,053	0.3	69.1	66.9	55.8
Petroleum .....	1,026	1,084	1,121	1.0	6.6	6.6	5.7
Natural Gas .....	312	625	1,551	19.5	2.0	3.8	7.8
Dual Fired .....	1,122	1,331	2,342	8.5	7.2	8.2	11.8
Nuclear .....	1,125	1,143	1,143	.2	7.2	7.0	5.8
Hydroelectric .....	1,110	1,110	1,200	.9	7.1	6.8	6.1
<b>Total Electric Utilities .....</b>	<b>15,433</b>	<b>16,212</b>	<b>18,409</b>	<b>2.0</b>	<b>99.3</b>	<b>99.4</b>	<b>93.0</b>
Coal .....	102	93	96	-.7	.7	.6	.5
Petroleum .....	2	8	11	20.4	.0	.0	.1
Natural Gas .....	6	3	1,265	80.9	.0	.0	6.4
Dual Fired .....	1	1	23	42.8	.0	.0	.1
<b>Total IPP's &amp; Combined Heat and Power .....</b>	<b>111</b>	<b>106</b>	<b>1,394</b>	<b>32.5</b>	<b>.7</b>	<b>.6</b>	<b>7.0</b>
Coal .....	10,840	11,014	11,148	.3	69.7	67.5	56.3
Petroleum .....	1,028	1,092	1,131	1.1	6.6	6.7	5.7
Natural Gas .....	318	628	2,816	27.4	2.0	3.8	14.2
Dual Fired .....	1,123	1,331	2,365	8.6	7.2	8.2	11.9
Nuclear .....	1,125	1,143	1,143	.2	7.2	7.0	5.8
Hydroelectric .....	1,110	1,110	1,200	.9	7.1	6.8	6.1
<b>Total Electric Industry .....</b>	<b>15,544</b>	<b>16,318</b>	<b>19,803</b>	<b>2.7</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

See footnotes at end of tables.

**Table 5. Electric Power Industry Generation of Electricity by Primary Energy Source, 1993, 1997, and 2002**  
(Megawatthours)

Energy Source	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)	Percentage Share 1993	Percentage Share 1997	Percentage Share 2002
<b>Missouri</b>							
Coal .....	40,688,696	59,903,073	67,147,996	5.7	76.0	83.9	82.7
Petroleum .....	634,432	125,449	528,353	-2.0	1.2	.2	.7
Natural Gas .....	386,378	570,084	2,477,701	22.9	.7	.8	3.1
Nuclear .....	8,381,333	8,954,604	8,389,629	.0	15.7	12.5	10.3
Hydroelectric .....	3,110,176	1,478,325	1,197,924	-10.1	5.8	2.1	1.5
Other Renewables .....	1,253	41,704	55,198	52.3	.0	.1	.1
<b>Total Electric Utilities .....</b>	<b>53,202,268</b>	<b>71,073,239</b>	<b>79,796,801</b>	<b>4.6</b>	<b>99.3</b>	<b>99.6</b>	<b>98.3</b>
Coal .....	295,264	247,207	286,971	-.3	.6	.3	.4
Petroleum .....	846	14,073	1,042	2.3	.0	.0	.0
Natural Gas .....	53,596	28,326	1,066,237	39.4	.1	.0	1.3
Other Renewables .....	995	11,340	11,147	30.8	.0	.0	.0
<b>Total IPP's &amp; Combined Heat and Power .....</b>	<b>350,700</b>	<b>300,947</b>	<b>1,365,397</b>	<b>16.3</b>	<b>.7</b>	<b>.4</b>	<b>1.7</b>
Coal .....	40,983,960	60,150,280	67,434,967	5.7	76.5	84.3	83.1
Petroleum .....	635,278	139,522	529,395	-2.0	1.2	.2	.7
Natural Gas .....	439,974	598,410	3,543,938	26.1	.8	.8	4.4
Nuclear .....	8,381,333	8,954,604	8,389,629	.0	15.7	12.5	10.3
Hydroelectric .....	3,110,176	1,478,325	1,197,924	-10.1	5.8	2.1	1.5
Other Renewables .....	2,248	53,044	66,345	45.7	.0	.1	.1
<b>Total Electric Industry .....</b>	<b>53,552,968</b>	<b>71,374,186</b>	<b>81,162,198</b>	<b>4.7</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

See footnotes at end of tables.

**Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1993, 1997, and 2002**

Fuel	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)
<b>Missouri</b>				
Coal (2002 cents per million Btu) .....	138.0	96.0	89.6	-4.7
Average heat value (Btu per pound).....	9,860	8,994	8,822	-1.2
Average sulfur Content(percent) .....	1.0	.5	.4	-10.9
Petroleum (2002 cents per million Btu) .....	126.1	300.0	117.5	-8
Average heat value (Btu per gallon).....	83,796	123,144	134,476	5.4
Average sulfur Content(percent) .....	4.1	2.4	3.3	-2.3
Gas (2002 cents per million Btu).....	258.4	287.2	327.7	2.7
Average heat value (Btu per cubic foot).....	1,008	1,006	1,008	.0

See footnotes at end of tables.

**Table 7. Electric Power Industry Emissions Estimates, 1993, 1997, and 2002**  
(Thousand Short Tons)

Emission Type	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)
<b>Missouri</b>				
<b>Sulfur Dioxide</b>				
Coal .....	468	307	246	-6.9
Petroleum .....	5	4	*	-42.9
Gas.....	0	0	0	NM
Other.....	0	*	*	NM
Total .....	473	311	246	-7.0
<b>Nitrogen Oxide</b>				
Coal .....	201	199	141	-3.8
Petroleum .....	2	*	0	NM
Gas.....	1	1	1	2.4
Other.....	0	*	*	NM
Total .....	203	201	142	-3.9
<b>Carbon Dioxide</b>				
Coal .....	45,017	67,084	75,278	5.9
Petroleum .....	745	152	593	-2.5
Gas.....	312	460	1,792	21.4
Total .....	46,074	67,695	77,663	6.0

See footnotes at end of tables.

**Table 8. Retail Sales, Revenue, and Average Revenue per Kilowatthour by Sector, 1993, 1997, and 2001**

Sector	1993	1997	2002	Annual Growth Rate 1993-2002 (Percent)	Percentage Share 1993	Percentage Share 1997	Percentage Share 2002
<b>Missouri</b>							
Retail Sales (thousand megawatthours)							
Residential.....	24,182	26,595	31,684	3.0	41.3	40.5	42.3
Commercial.....	19,914	22,825	26,796	3.3	34.0	34.8	35.7
Industrial.....	13,618	15,267	15,341	1.3	23.2	23.3	20.5
Other.....	908	985	1,179	2.9	1.5	1.5	1.6
Total.....	58,622	65,673	75,001	2.8	100.0	100.0	100.0
Retail Sales Revenue (million 2002 dollars)							
Residential.....	1,957	1,937	2,238	1.5	47.3	47.1	49.0
Commercial.....	1,389	1,408	1,576	1.4	33.6	34.2	34.5
Industrial.....	715	700	679	-6	17.3	17.0	14.9
Other.....	72	69	73	.2	1.7	1.7	1.6
Total.....	4,132	4,113	4,565	1.1	100.0	100.0	100.0
Average Revenue per Kilowatthour (2002 cents/kWh)							
Residential.....	8.09	7.28	7.06	-1.5	NA	NA	NA
Commercial.....	6.97	6.17	5.88	-1.9	NA	NA	NA
Industrial.....	5.25	4.58	4.42	-1.9	NA	NA	NA
Other.....	7.91	6.95	6.20	-2.7	NA	NA	NA
Total.....	7.05	6.26	6.09	-1.6	NA	NA	NA

See footnotes at end of tables.

**Table 9. Utility Retail Sales Statistics, 2002**

Item	Investor-Owned	Public	Federal	Cooperative	Energy Service Providers	Total
<b>Missouri</b>						
Number of Entities.....	0	97	0	39	0	136
Number of Retail Customers.....	0	2,260,443	0	622,880	0	2,883,323
Retail Sales (thousand megawatthours).....	0	61,749	0	13,252	0	75,001
Percentage of Retail Sales.....	.00	82.33	.00	17.67	.00	100.00
Revenue from Retail Sales (million 2002 dollars).....	0	3,788	0	777	0	4,565
Percentage of Revenue.....	.00	82.97	.00	17.03	.00	100.00
Revenue per Kilowatthour (2002 cents/kWh).....	.00	6.13	.00	5.87	0	6.09

IPP = Independent Power Producer.

NA = Not available.

NM = Not meaningful.

\* = 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 "\*\*").