

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Missouri		
NERC Region(s).....		SERC/SPP
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	20,599	19
Electric Utilities.....	19,675	13
Independent Power Producers & Combined Heat and Power.....	924	39
Net Generation (megawatthours).....	91,686,343	19
Electric Utilities.....	91,118,304	12
Independent Power Producers & Combined Heat and Power.....	568,039	47
Emissions (thousand metric tons)		
Sulfur Dioxide	260	15
Nitrogen Oxide.....	108	12
Carbon Dioxide.....	79,102	11
Sulfur Dioxide (lbs/MWh)	6.2	17
Nitrogen Oxide (lbs/MWh)	2.6	23
Carbon Dioxide (lbs/MWh).....	1,902	10
Total Retail Sales (megawatthours).....	82,015,230	17
Full Service Provider Sales (megawatthours)	82,015,230	17
Direct Use (megawatthours)	160,160	41
Average Retail Price (cents/kWh).....	6.30	43

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)
Missouri			
1. Labadie	Coal	Union Electric Co	2,415
2. Rush Island	Coal	Union Electric Co	1,208
3. Callaway	Nuclear	Union Electric Co	1,190
4. New Madrid	Coal	Associated Electric Coop, Inc	1,160
5. Thomas Hill	Coal	Associated Electric Coop, Inc	1,120
6. Sioux	Coal	Union Electric Co	994
7. Hawthorn	Coal	Kansas City Power & Light Co	983
8. Meramec	Coal	Union Electric Co	966
9. Iatan	Coal	Kansas City Power & Light Co	651
10. Audrain Generating Station	Gas	Union Electric Co	640

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
1. Union Electric Co.....	Investor-Owned	36,864,186	13,081,168	14,056,465	9,707,618	18,935
2. Kansas City Power & Light Co.....	Investor-Owned	8,692,731	2,598,846	4,383,246	1,710,639	-
3. Aquila Inc.....	Investor-Owned	7,774,701	3,425,371	3,030,847	1,318,483	-
4. Empire District Electric Co.....	Investor-Owned	4,155,083	1,680,339	1,531,777	942,967	-
5. Springfield City of.....	Public	3,044,222	992,238	1,524,353	527,631	-
Total Sales, Top Five Providers.....		60,530,923	21,777,962	24,526,688	14,207,338	18,935
Percent of Total State Sales.....		74	64	82	78	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
Missouri										
Electric Utilities.....	15,180	15,724	17,726	18,409	18,587	18,606	18,970	19,675	99.3	95.5
Coal.....	10,678	10,540	11,032	11,053	11,172	11,159	11,172	11,199	69.9	54.4
Petroleum.....	1,498 ^R	1,710 ^R	1,616	1,236	1,259	1,243	1,241	1,265	9.8	6.1
Natural Gas.....	818 ^R	1,240 ^R	2,736	3,778	3,806	3,853	4,158	4,809	5.3	23.3
Nuclear.....	1,125	1,125	1,143	1,143	1,137	1,137	1,190	1,190	7.4	5.8
Hydroelectric.....	544	543	543	543	556	556	552	552	3.6	2.7
Other Renewables.....	-	-	-	-	-	-	-	3	-	*
Pumped Storage.....	518	567	657	657	657	657	657	657	3.4	3.2
Independent Power Producers and Combined Heat and Power.....	106	109	1,202	1,394	1,390	1,557	1,562	924	0.7	4.5
Coal.....	97	96	95	96	96	98	100	100	0.6	0.5
Petroleum.....	2	9	9	11	11	11	13	13	*	0.1
Natural Gas.....	6	4	1,098	1,287	1,284	1,449	1,449	811	*	3.9
Total Electric Industry.....	15,286	15,833	18,928	19,803	19,977	20,163	20,533	20,599	100.0	100.0
Coal.....	10,775	10,636	11,127	11,148	11,267	11,257	11,273	11,299	70.5	54.9
Petroleum.....	1,500 ^R	1,719 ^R	1,625	1,247	1,270	1,254	1,254	1,279	9.8	6.2
Natural Gas.....	824 ^R	1,243 ^R	3,834	5,065	5,089	5,302	5,607	5,619	5.4	27.3
Nuclear.....	1,125	1,125	1,143	1,143	1,137	1,137	1,190	1,190	7.4	5.8
Hydroelectric.....	544	543	543	543	556	556	552	552	3.6	2.7
Other Renewables.....	-	-	-	-	-	-	-	3	-	*
Pumped Storage.....	518	567	657	657	657	657	657	657	3.4	3.2

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
Missouri										
Electric Utilities.....	59,010,858	65,400,254	78,990,878	79,796,801	86,102,107	86,419,717	90,159,045	91,118,304	99.4	99.4
Coal.....	48,501,751	53,582,211	65,445,161	67,147,996	73,904,272	74,711,159	77,123,580	77,113,165	81.7	84.1
Petroleum.....	89,342	682,321	637,504	528,353	155,968	195,098	168,258	59,958	0.2	0.1
Natural Gas.....	265,870	1,015,384	3,634,106	2,477,701	1,820,848	1,978,307	3,522,842	3,512,299	0.4	3.8
Other Gases.....	-	-	-	-	1,652	2,400	2,383	5,091	-	*
Nuclear.....	7,998,039	8,241,833	8,384,240	8,389,629	9,699,589	7,830,693	8,030,577	10,116,660	13.5	11.0
Hydroelectric.....	2,192,115	1,918,507	1,104,135	1,356,928	652,477	1,479,914	1,159,326	199,214	3.7	0.2
Other Renewables.....	-	24,979	-	143	179	192	-	15,291	-	*
Pumped Storage.....	-36,259	-64,981	-265,860	-159,004	-253,991	115,325	85,932	47,552	-0.1	0.1
Other.....	-	-	51,592	55,055	121,112	106,630	66,147	49,074	-	0.1
Independent Power Producers and Combined Heat and Power.....	341,972	320,704	553,995	1,365,396	1,122,980	1,213,194	669,185	568,039	0.6	0.6
Coal.....	295,042	278,209	303,522	286,971	307,512	268,923	313,562 ^R	338,803	0.5	0.4
Petroleum.....	691	13,940	181	1,042	946	3,632	160	464	*	*
Natural Gas.....	46,239	28,056	239,456	1,066,236	803,502	901,820	342,625	216,439	0.1	0.2
Other Renewables.....	-	499	8,798	8,560	8,297	35,072	9,249	7,612	-	*
Other.....	-	-	2,038	2,587	2,724	3,747	3,589	4,721	-	*
Total Electric Industry.....	59,352,830	65,720,958	79,544,873	81,162,197	87,225,087	87,632,911	90,828,230	91,686,343	100.0	100.0
Coal.....	48,796,793	53,860,420	65,748,683	67,434,967	74,211,784	74,980,082	77,437,142 ^R	77,451,968	82.2	84.5
Petroleum.....	90,033	696,261	637,685	529,395	156,914	198,730	168,418	60,422	0.2	0.1
Natural Gas.....	312,109	1,043,440	3,873,562	3,543,937	2,624,350	2,880,127	3,865,467	3,728,738	0.5	4.1
Other Gases.....	-	-	-	-	1,652	2,400	2,383	5,091	-	*
Nuclear.....	7,998,039	8,241,833	8,384,240	8,389,629	9,699,589	7,830,693	8,030,577	10,116,660	13.5	11.0
Hydroelectric.....	2,192,115	1,918,507	1,104,135	1,356,928	652,477	1,479,914	1,159,326	199,214	3.7	0.2
Other Renewables.....	-	25,478	8,798	8,703	8,476	35,264	9,249	22,903	-	*
Pumped Storage.....	-36,259	-64,981	-265,860	-159,004	-253,991	115,325	85,932	47,552	-0.1	0.1
Other.....	-	-	53,630	57,642	123,836	110,377	69,736	53,795	-	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
Missouri								
Coal (cents per million Btu)	135	98	96	W	W	W	W	W
Average heat value (Btu per pound)	10,400	9,216	8,940	8,875	8,865	8,838	8,854	8,808
Average sulfur Content (percent)	2.01	0.57	0.36	0.36	0.37	0.38	0.37	0.36
Petroleum (cents per million Btu)	280	110	134	118	W	279	1,236	1,457
Average heat value (Btu per gallon)	107,890	79,069	136,667	136,381	137,769	139,288	137,693	137,188
Average sulfur Content (percent)	2.48	3.90	3.28	3.33	2.39	3.02	0.24	0.24
Natural Gas (cents per million Btu)	172	168	467	W	W	W	W	W
Average heat value (Btu per cubic foot)	1,018	1,006	1,020	1,012	1,016	1,016	1,020	1,024

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
Missouri								
Sulfur Dioxide								
Coal.....	721	291	218	224	255	265	266	253
Petroleum.....	3	4	18	11	2	3	7	6
Natural Gas.....	*	*	*	*	*	*	*	*
Other.....	-	*	-	*	2	1	1	1
Total.....	724	295	235	236	258	270	273	260
Nitrogen Oxide								
Coal.....	261	299	130	127	133	114	113	105
Petroleum.....	*	2	2	1	*	*	1	*
Natural Gas.....	1	2	3	2	1	2	1	2
Other.....	-	*	*	*	*	*	*	*
Total.....	262	303	135	130	135	117	115	108
Carbon Dioxide								
Coal.....	47,756	54,188	66,548	67,541	74,219	75,183	77,852	77,204
Petroleum.....	92	750	664	528	155	196	169	62
Natural Gas.....	232	726	1,796	1,634	1,192	1,344	1,738	1,781
Other Renewables.....	-	1	49	52	112	102	70	55
Total.....	48,080	55,664	69,058	69,755	75,678	76,824	79,829	79,102

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
Missouri										
Retail Sales (thousand megawatthours)										
Residential.....	21,652	25,409	30,168	31,684	31,422	31,351	34,412	33,880	40.2	41.3
Commercial.....	18,469	21,606	26,029	26,796	27,987	28,391	29,640	29,800	34.2	36.3
Industrial.....	12,937	14,321	15,815	15,341	14,831	14,303	16,869	18,316	24.0	22.3
Other.....	866	923	1,201	1,179	NA	NA	NA	NA	1.6	NA
Transportation.....	NA	NA	NA	NA	NA	10	19	19	NA	*
All Sectors.....	53,925	62,259	73,213	75,001	74,240	74,054	80,940	82,015	100.0	100.0
Retail Revenue (million dollars).....										
Residential.....	1,593	1,843	2,113	2,238	2,186	2,185	2,437	2,520	45.7	48.7
Commercial.....	1,193	1,334	1,533	1,576	1,618	1,648	1,756	1,811	34.2	35.0
Industrial.....	640	649	695	679	667	661	766	838	18.4	16.2
Other.....	59	65	73	73	NA	NA	NA	NA	1.7	NA
Transportation.....	NA	NA	NA	NA	NA	*	1	1	NA	*
All Sectors.....	3,485	3,892	4,414	4,565	4,470	4,494	4,960	5,170	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential.....	7.36	7.25	7.00	7.06	6.96	6.97	7.08	7.44	NA	NA
Commercial.....	6.46	6.18	5.89	5.88	5.78	5.80	5.92	6.08	NA	NA
Industrial.....	4.95	4.53	4.39	4.42	4.49	4.62	4.54	4.58	NA	NA
Other.....	6.81	7.05	6.08	6.20	NA	NA	NA	NA	NA	NA
Transportation.....	NA	NA	NA	NA	NA	4.91	4.77	5.75	NA	NA
All Sectors.....	6.46	6.25	6.03	6.09	6.02	6.07	6.13	6.30	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	4	88	NA	43	1	NA	NA	136
Number of Retail Customers	1,889,833	413,520	NA	707,852	1	NA	NA	3,011,206
Retail Sales (thousand megawatthours)	57,487	11,047	NA	13,462	20	NA	NA	82,015
Percentage of Retail Sales	70.09	13.47	NA	16.41	0.02	NA	NA	100.00
Revenue from Retail Sales (million dollars)	3,451	769	NA	949	1	NA	NA	5,170
Percentage of Revenue	66.75	14.87	NA	18.36	0.02	NA	NA	100.00
Average Retail Price (cents/kWh)	6.00	6.96	NA	7.05	4.89	NA	NA	6.30

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
Missouri								
Supply								
Generation								
Electric Utilities	59,011	65,400	78,991	79,797	86,102	86,420	90,159	91,118
Independent Power Producers	-	-	226	1,039	783	828	319	165
Combined Heat and Power, Electric	-	-	-	-	-	46	5	30
Electric Power Sector Generation Subtotal	59,011	65,400	79,217	80,836	86,886	87,294	90,483	91,313
Combined Heat and Power, Commercial	158	140	137	140	134	155	163	201
Combined Heat and Power, Industrial	184	181	190	186	205	184	182	172
Industrial and Commercial Generation Subtotal	342	321	328	327	340	339	345	373
Total Net Generation	59,353	65,721	79,545	81,162	87,225	87,633	90,828	91,686
Total International Imports	-	*	-	*	-	-	12	3
Total Supply	59,353	65,721	79,545	81,162	87,225	87,633	90,841	91,689
Disposition								
Retail Sales								
Full Service Providers	53,925	62,259	73,213	75,001	74,220	74,035	80,921	81,996
Facility Direct Retail Sales	-	-	-	-	20	20	20	20
Total Electric Industry Retail Sales	53,925	62,259	73,213	75,001	74,240	74,054	80,940	82,015
Direct Use	338	321	295	301	305	305	293	160
Total International Exports	-	-	-	*	*	6	2	*
Estimated Losses	4,043	4,726	6,070	6,986	5,491	5,997	6,791	6,730
Total Disposition	58,306	67,306	79,577	82,288	80,036	80,363	88,027	88,906
Net Interstate Trade	1,047	-1,585	-32	-1,126	7,189	7,270	2,814	2,784
Net Trade Index (ratio)	1.02	0.98	1.00	0.99	1.09	1.09	1.03	1.03

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.