

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Oklahoma		
NERC Region(s).....		SPP
Primary Energy Source.....		Coal
Net Summer Capacity (megawatts)	20,085	20
Electric Utilities.....	14,648	18
Independent Power Producers & Combined Heat and Power.....	5,437	18
Net Generation (megawatthours).....	70,614,880	22
Electric Utilities.....	51,917,155	18
Independent Power Producers & Combined Heat and Power.....	18,697,725	16
Emissions (thousand metric tons)		
Sulfur Dioxide	110	23
Nitrogen Oxide.....	84	18
Carbon Dioxide.....	52,242	18
Sulfur Dioxide (lbs/MWh)	3.4	30
Nitrogen Oxide (lbs/MWh)	2.6	22
Carbon Dioxide (lbs/MWh).....	1,631	17
Total Retail Sales (megawatthours)	54,905,314	26
Full Service Provider Sales (megawatthours)	54,905,314	24
Direct Use (megawatthours)	986,758	28
Average Retail Price (cents/kWh).....	7.30	29

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)
Oklahoma			
1. Northeastern.....	Coal	Public Service Co of Oklahoma	1,799
2. Muskogee.....	Coal	Oklahoma Gas & Electric Co	1,713
3. Seminole	Gas	Oklahoma Gas & Electric Co	1,542
4. Kiamichi Energy Facility	Gas	Kiowa Power Partners LLC	1,178
5. Redbud Power Plant	Gas	InterGen North America	1,144
6. Oneta Energy Center	Gas	Calpine Central L P	1,082
7. Sooner.....	Coal	Oklahoma Gas & Electric Co	1,066
8. GRDA.....	Coal	Grand River Dam Authority	1,010
9. Riverside.....	Gas	Public Service Co of Oklahoma	910
10. Horseshoe Lake	Gas	Oklahoma Gas & Electric Co	881

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. Oklahoma Gas & Electric Co	Investor-Owned	22,102,266	8,010,314	8,200,163	5,891,789	-
2. Public Service Co of Oklahoma	Investor-Owned	17,845,471	6,021,196	6,167,146	5,657,129	-
3. Oklahoma Electric Coop Inc	Cooperative	940,285	661,816	197,713	80,756	-
4. City of Edmond	Public	791,815	453,254	324,668	13,893	-
5. Grand River Dam Authority	Public	649,851	-	3,302	646,549	-
Total Sales, Top Five Providers		42,329,688	15,146,580	14,892,992	12,290,116	-
Percent of Total State Sales		77	70	82	82	-

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
Oklahoma										
Electric Utilities.....	12,769	12,928	13,436	13,387	13,463	13,550	13,992^R	14,648	94.2	72.9
Coal.....	4,850	4,831	4,856	4,896	4,941	4,949	4,964	4,981	35.8	24.8
Petroleum.....	58 ^R	58 ^R	60	60	62	68	68	72	0.4	0.4
Natural Gas	6,858 ^R	6,952 ^R	7,410	7,314	7,340	7,427	7,899 ^R	8,364	50.6	41.6
Other Gases.....	-	52	57	61	61	58	-	-	-	-
Hydroelectric	744	776	793	796	800	788	800	851	5.5	4.2
Other Renewables.....	-	-	-	-	-	-	-	120	-	0.6
Pumped Storage.....	260	260	260	260	260	260	260	260	1.9	1.3
Independent Power Producers and Combined Heat and Power	788	781	1,505	2,845	4,776	5,847	5,782^R	5,437	5.8	27.1
Coal.....	434	434	391	391	391	391	391	391	3.2	1.9
Petroleum.....	-	-	2	2	2	2	2	2	-	*
Natural Gas	259	254	1,020	2,360	4,111	5,182	4,836 ^R	4,491	1.9	22.4
Other Gases.....	19	17	17	17	17	17	-	-	0.1	-
Other Renewables.....	76	76	75	76	255	255	553	553	0.6	2.8
Total Electric Industry.....	13,557	13,709	14,941	16,232	18,238	19,397	19,773	20,085	100.0	100.0
Coal.....	5,284	5,265	5,247	5,287	5,332	5,340	5,355	5,372	39.0	26.7
Petroleum.....	58 ^R	58 ^R	62	62	64	70	71	75	0.4	0.4
Natural Gas	7,117 ^R	7,206 ^R	8,430	9,673	11,451	12,609	12,735	12,854	52.5	64.0
Other Gases.....	19	69	74	78	78	75	-	-	0.1	-
Hydroelectric	744	776	793	796	800	788	800	851	5.5	4.2
Other Renewables.....	76	76	75	76	255	255	553	673	0.6	3.3
Pumped Storage.....	260	260	260	260	260	260	260	260	1.9	1.3

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
Oklahoma										
Electric Utilities.....	45,063,182	47,955,288	50,413,729	51,218,320	49,776,514	48,298,390	54,250,814	51,917,155	95.7	73.5
Coal.....	25,188,557	29,714,368	32,164,601	33,444,114	34,200,128	31,240,478	33,604,628	32,324,391	53.5	45.8
Petroleum.....	49,422	77,528	146,375	10,311	111,555	21,008	13,181	24,187	0.1	*
Natural Gas.....	17,074,845	15,448,135	15,886,542	15,953,919	13,872,606	14,294,108	18,156,469	19,058,314	36.3	27.0
Hydroelectric.....	2,730,594	2,779,920	2,344,690	1,987,844	1,798,412	2,976,676	2,630,361	623,579	5.8	0.9
Other Renewables.....	-	-	-	-	-	-	-	3,157	-	*
Pumped Storage.....	19,764	-64,663	-128,479	-177,868	-206,187	-233,879	-153,825	-116,473	*	-0.2
Independent Power Producers and Combined Heat and Power.....	2,015,949	4,712,079	4,835,721	7,965,099	10,850,342	12,431,170	14,357,013	18,697,725	4.3	26.5
Coal.....	466,790	3,070,694	2,451,167	2,520,664	2,476,198	2,561,898	2,744,805	2,751,575	1.0	3.9
Petroleum.....	27,525	21,157	28,800	39,560	49,655	47,189	57,152	39,936	0.1	0.1
Natural Gas.....	1,161,921	1,267,372	2,057,266	5,095,120	7,950,090	8,991,125	10,392,914 ^R	13,874,863	2.5	19.6
Other Gases.....	88,970	65,000	67,792	70,710	45,408	-	18,838	16,143	0.2	*
Other Renewables.....	270,743	287,856	230,696	239,045	321,593	822,092	1,136,990	2,009,764	0.6	2.8
Other.....	-	-	-	-	7,398	8,867	6,314	5,445	-	*
Total Electric Industry.....	47,079,131	52,667,367	55,249,450	59,183,419	60,626,856	60,729,560	68,607,827	70,614,880	100.0	100.0
Coal.....	25,655,347	32,785,062	34,615,768	35,964,778	36,676,326	33,802,376	36,349,433	35,075,966	54.5	49.7
Petroleum.....	76,947	98,685	175,175	49,871	161,210	68,197	70,333	64,123	0.2	0.1
Natural Gas.....	18,236,766	16,715,507	17,943,808	21,049,039	21,822,696	23,285,233	28,549,383 ^R	32,933,177	38.7	46.6
Other Gases.....	88,970	65,000	67,792	70,710	45,408	-	18,838	16,143	0.2	*
Hydroelectric.....	2,730,594	2,779,920	2,344,690	1,987,844	1,798,412	2,976,676	2,630,361	623,579	5.8	0.9
Other Renewables.....	270,743	287,856	230,696	239,045	321,593	822,092	1,136,990	2,012,921	0.6	2.9
Pumped Storage.....	19,764	-64,663	-128,479	-177,868	-206,187	-233,879	-153,825	-116,473	*	-0.2
Other.....	-	-	-	-	7,398	8,867	6,314	5,445	-	*

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
Oklahoma								
Coal (cents per million Btu)	140	99	91	W	W	W	W	W
Average heat value (Btu per pound)	8,894	8,557	8,910	8,836	8,872	8,854	8,765	8,747
Average sulfur Content (percent)	0.47	0.36	0.30	0.39	0.41	0.40	0.41	0.42
Petroleum (cents per million Btu)	320	253	633	484	548	609	1,199	1,331
Average heat value (Btu per gallon)	155,948	141,788	147,381	142,181	142,205	145,071	140,674	151,336
Average sulfur Content (percent)	1.09	0.27	0.04	0.05	0.45	0.56	0.30	0.42
Natural Gas (cents per million Btu)	301	226	448	344	542	594	802	640
Average heat value (Btu per cubic foot)	1,045	1,034	1,020	1,030	1,031	1,031	1,030	1,028

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
Oklahoma								
Sulfur Dioxide								
Coal.....	99	113	100	105	107	99	102	104
Petroleum.....	1	*	1	1	1	2	2	2
Natural Gas.....	*	*	*	*	*	*	*	*
Other.....	2	2	2	3	3	3	3	3
Total.....	103	115	103	109	111	103	106	110
Nitrogen Oxide								
Coal.....	145	153	57	61	65	60	64	61
Petroleum.....	*	*	*	*	1	*	*	1
Natural Gas.....	23	20	27	24	19	16	19	21
Other.....	1	1	1	1	1	1	1	2
Total.....	168	175	86	86	86	77	84	84
Carbon Dioxide								
Coal.....	25,945	32,919	35,688	36,835	36,928	34,918	37,292	36,102
Petroleum.....	148	145	237	164	265	237	240	184
Natural Gas.....	10,163	9,507	10,104	11,193	11,357	11,705	13,805	15,827
Other Renewables.....	1	1	-	-	-	127	114	128
Total.....	36,257	42,573	46,030	48,192	48,549	46,987	51,451	52,242

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
Oklahoma										
Retail Sales (thousand megawatthours)										
Residential.....	17,077	16,319	19,796	19,927	20,162	19,699	21,309	21,690	40.2	39.5
Commercial.....	11,634	11,115	13,552	13,097	16,958	17,020	17,477	18,197	27.4	33.1
Industrial.....	11,764	11,714	13,356	12,898	13,308	14,223	14,920	15,018	27.7	27.4
Other.....	2,029	2,244	2,963	3,564	NA	NA	NA	NA	4.8	NA
All Sectors.....	42,504	41,392	49,667	49,485	50,428	50,942	53,707	54,905	100.0	100.0
Retail Revenue (million dollars).....										
Residential.....	1,124	1,113	1,439	1,341	1,507	1,520	1,695	1,854	48.3	46.2
Commercial.....	668	642	861	753	1,083	1,116	1,223	1,336	28.7	33.3
Industrial.....	427	440	573	491	611	677	762	819	18.4	20.4
Other.....	108	111	160	180	NA	NA	NA	NA	4.6	NA
All Sectors.....	2,328	2,306	3,032	2,765	3,201	3,313	3,680	4,010	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential.....	6.58	6.82	7.27	6.73	7.47	7.72	7.95	8.55	NA	NA
Commercial.....	5.74	5.78	6.35	5.75	6.38	6.55	7.00	7.34	NA	NA
Industrial.....	3.63	3.75	4.29	3.81	4.59	4.76	5.11	5.46	NA	NA
Other.....	5.33	4.93	5.39	5.06	NA	NA	NA	NA	NA	NA
All Sectors.....	5.48	5.57	6.10	5.59	6.35	6.50	6.85	7.30	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	62	1	31	1	NA	NA	99
Number of Retail Customers	1,219,779	194,807	1	470,077	80	NA	NA	1,884,744
Retail Sales (thousand megawatthours)	40,253	4,865	159	9,495	134	NA	NA	54,905
Percentage of Retail Sales	73.31	8.86	0.29	17.29	0.24	NA	NA	100.00
Revenue from Retail Sales (million dollars)	2,809	368	9	814	10	NA	NA	4,010
Percentage of Revenue	70.05	9.18	0.22	20.30	0.25	NA	NA	100.00
Average Retail Price (cents/kWh)	6.98	7.56	5.60	8.57	7.35	NA	NA	7.30

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
Oklahoma								
Supply								
Generation								
Electric Utilities	45,063	47,955	50,414	51,218	49,777	48,298	54,251	51,917
Independent Power Producers	-	-	844	3,970	4,247	8,913	10,282	14,784
Combined Heat and Power, Electric	1,017	3,314	2,731	2,622	5,217	2,256	2,822	2,642
Electric Power Sector Generation Subtotal	46,080	51,269	53,988	57,810	59,240	59,467	67,355	69,344
Combined Heat and Power, Commercial	48	58	26	27	28	18	19	25
Combined Heat and Power, Industrial	951	1,340	1,236	1,346	1,358	1,245	1,234	1,246
Industrial and Commercial Generation Subtotal	999	1,398	1,261	1,373	1,387	1,262	1,253	1,271
Total Net Generation	47,079	52,667	55,249	59,183	60,627	60,730	68,608	70,615
Total Supply	47,079	52,667	55,249	59,183	60,627	60,730	68,608	70,615
Disposition								
Retail Sales								
Full Service Providers	42,504	41,392	49,667	49,485	50,288	50,811	53,571	54,771
Facility Direct Retail Sales	-	-	-	-	140	131	136	134
Total Electric Industry Retail Sales	42,504	41,392	49,667	49,485	50,428	50,942	53,707	54,905
Direct Use	958	1,267	1,114	1,138	1,153	1,154	953	987
Total International Exports	-	-	-	-	-	*	*	-
Estimated Losses	3,187	3,142	1,779	4,609	3,528	3,431	4,219	4,715
Total Disposition	46,649	45,802	52,560	55,233	55,109	55,528	58,880	60,607
Net Interstate Trade	430	6,866	2,689	3,951	5,518	5,202	9,728	10,007
Net Trade Index (ratio)	1.01	1.15	1.05	1.07	1.10	1.09	1.17	1.17

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.