

Table 1. 2002 Summary Statistics

| Item | Value | U.S. Rank |
|---|------------|-----------|
| Oklahoma | | |
| NERC Region(s)..... | | SPP |
| Primary Energy Source | | Coal |
| Net Summer Capability (megawatts)..... | 16,232 | 22 |
| Electric Utilities | 13,387 | 18 |
| Independent Power Producers & Combined Heat and Power | 2,845 | 27 |
| Net Generation (megawatthours)..... | 59,183,419 | 23 |
| Electric Utilities | 51,218,320 | 20 |
| Independent Power Producers & Combined Heat and Power | 7,965,099 | 24 |
| Emissions (thousand short tons) | | |
| Sulfur Dioxide | 166 | 21 |
| Nitrogen Oxide | 98 | 18 |
| Carbon Dioxide | 52,549 | 18 |
| Sulfur Dioxide/sq. mile..... | 2 | 27 |
| Nitrogen Oxide/sq. mile..... | 1 | 27 |
| Carbon Dioxide/sq. mile..... | 765 | 28 |
| Utility and ESP Retail Electricity Sales (megawatthours)..... | 49,485,466 | 26 |
| Utility Retail Electricity Sales (megawatthours) | 49,485,466 | 25 |
| Direct Use (megawatthours)..... | 1,175,727 | 24 |
| Average Retail Price (cents/kWh)..... | 5.59 | 43 |

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2002

| Plant | Energy Sources | Operating Company | Net Capability (MW) |
|------------------------------|----------------------|-------------------------------|---------------------|
| Oklahoma | | | |
| 1. Muskogee | Gas, Coal | Oklahoma Gas & Electric Co | 1,666 |
| 2. Northeastern | Gas, Coal | Public Service Co of Oklahoma | 1,549 |
| 3. Seminole..... | Gas | Oklahoma Gas & Electric Co | 1,536 |
| 4. Sooner | Petroleum, Coal | Oklahoma Gas & Electric Co | 1,019 |
| 5. GRDA | Petroleum, Gas, Coal | Grand River Dam Authority | 1,010 |
| 6. Riverside | Gas | Public Service Co of Oklahoma | 920 |
| 7. Horseshoe Lake | Petroleum, Gas | Oklahoma Gas & Electric Co | 860 |
| 8. Green Country Energy..... | Gas | Green Country OP Services LLC | 779 |
| 9. Oneta Energy Center..... | Gas | Calpine Central, L.P. | 560 |
| 10. Mustang..... | Gas | Oklahoma Gas & Electric Co | 533 |

See footnotes at end of tables.

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

| Utility | All Sectors | Residential | Commercial | Industrial | Other |
|---------------------------------------|-------------|-------------|------------|------------|-----------|
| Oklahoma | | | | | |
| A. Oklahoma Gas & Electric Co | 20,544,045 | 7,358,370 | 5,072,247 | 5,567,976 | 2,545,452 |
| B. Public Service Co of Oklahoma..... | 16,466,566 | 5,755,212 | 5,034,503 | 4,840,879 | 835,972 |
| C. Oklahoma Electric Coop, Inc | 770,609 | 529,787 | 200,387 | 39,865 | 570 |
| D. Edmond Electric Department | 679,268 | 378,387 | 75,311 | 141,348 | 84,222 |
| E. Grand River Dam Authority..... | 535,801 | 0 | 40,538 | 495,263 | 0 |
| Total | 38,996,289 | 14,021,756 | 10,422,986 | 11,085,331 | 3,466,216 |
| Percentage of Utility Sales..... | 79 | 70 | 80 | 86 | 97 |

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 |
|--|---------------|---------------|---------------|--|-----------------------|-----------------------|-----------------------|
| Oklahoma | | | | | | | |
| Coal | 4,874 | 4,848 | 4,896 | 0.0 | 35.7 | 35.4 | 30.2 |
| Petroleum | 30 | 28 | 34 | 1.3 | .2 | .2 | .2 |
| Natural Gas | 849 | 961 | 5,490 | 23.0 | 6.2 | 7.0 | 33.8 |
| Other Gases | 52 | 52 | 61 | 1.8 | .4 | .4 | .4 |
| Dual Fired | 6,045 | 6,006 | 1,850 | -12.3 | 44.3 | 43.8 | 11.4 |
| Hydroelectric | 1,009 | 1,035 | 1,056 | .5 | 7.4 | 7.6 | 6.5 |
| Total Electric Utilities | 12,859 | 12,931 | 13,387 | .4 | 94.2 | 94.4 | 82.5 |
| Coal | 434 | 434 | 391 | -1.2 | 3.2 | 3.2 | 2.4 |
| Petroleum | 0 | 0 | 2 | NM | .0 | .0 | .0 |
| Natural Gas | 245 | 235 | 2,350 | 28.6 | 1.8 | 1.7 | 14.5 |
| Other Gases | 17 | 17 | 17 | -.1 | .1 | .1 | .1 |
| Dual Fired | 13 | 9 | 10 | -2.7 | .1 | .1 | .1 |
| Other Renewables | 76 | 76 | 76 | .0 | .6 | .6 | .5 |
| Total IPP's & Combined Heat and Power | 785 | 772 | 2,845 | 15.4 | 5.8 | 5.6 | 17.5 |
| Coal | 5,308 | 5,282 | 5,287 | .0 | 38.9 | 38.5 | 32.6 |
| Petroleum | 30 | 28 | 36 | 1.9 | .2 | .2 | .2 |
| Natural Gas | 1,094 | 1,196 | 7,840 | 24.5 | 8.0 | 8.7 | 48.3 |
| Other Gases | 69 | 69 | 78 | 1.3 | .5 | .5 | .5 |
| Dual Fired | 6,057 | 6,016 | 1,860 | -12.3 | 44.4 | 43.9 | 11.5 |
| Hydroelectric | 1,009 | 1,035 | 1,056 | .5 | 7.4 | 7.6 | 6.5 |
| Other Renewables | 76 | 76 | 76 | .0 | .6 | .6 | .5 |
| Total Electric Industry | 13,644 | 13,702 | 16,232 | 1.9 | 100.0 | 100.0 | 100.0 |

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 |
|--|-------------------|-------------------|-------------------|--|-----------------------|-----------------------|-----------------------|
| Oklahoma | | | | | | | |
| Coal | 28,990,113 | 33,036,688 | 33,444,114 | 1.6 | 54.5 | 62.5 | 56.5 |
| Petroleum | 14,027 | 12,568 | 10,311 | -3.4 | .0 | .0 | .0 |
| Natural Gas | 15,510,168 | 12,506,748 | 15,953,919 | .3 | 29.2 | 23.7 | 27.0 |
| Hydroelectric | 4,296,412 | 2,824,098 | 1,809,976 | -9.2 | 8.1 | 5.3 | 3.1 |
| Total Electric Utilities | 48,810,720 | 48,380,102 | 51,218,320 | .5 | 91.8 | 91.5 | 86.5 |
| Coal | 2,702,062 | 2,996,140 | 2,520,664 | -.8 | 5.1 | 5.7 | 4.3 |
| Petroleum | 42,292 | 14,224 | 39,560 | -.7 | .1 | .0 | .1 |
| Natural Gas | 1,252,398 | 1,175,582 | 5,095,120 | 16.9 | 2.4 | 2.2 | 8.6 |
| Other Gases | 89,656 | 66,790 | 70,710 | -2.6 | .2 | .1 | .1 |
| Other Renewables | 262,544 | 231,139 | 239,045 | -1.0 | .5 | .4 | .4 |
| Total IPP's & Combined Heat and Power | 4,348,952 | 4,483,875 | 7,965,099 | 7.0 | 8.2 | 8.5 | 13.5 |
| Coal | 31,692,175 | 36,032,828 | 35,964,778 | 1.4 | 59.6 | 68.2 | 60.8 |
| Petroleum | 56,319 | 26,792 | 49,871 | -1.3 | .1 | .1 | .1 |
| Natural Gas | 16,762,566 | 13,682,330 | 21,049,039 | 2.6 | 31.5 | 25.9 | 35.6 |
| Other Gases | 89,656 | 66,790 | 70,710 | -2.6 | .2 | .1 | .1 |
| Hydroelectric | 4,296,412 | 2,824,098 | 1,809,976 | -9.2 | 8.1 | 5.3 | 3.1 |
| Other Renewables | 262,544 | 231,139 | 239,045 | -1.0 | .5 | .4 | .4 |
| Total Electric Industry | 53,159,672 | 52,863,977 | 59,183,419 | 1.2 | 100.0 | 100.0 | 100.0 |

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) |
|--|---------|---------|---------|--|
| Oklahoma | | | | |
| Coal (2002 cents per million Btu) | 137.8 | 94.4 | 95.9 | -3.9 |
| Average heat value (Btu per pound) | 8,621 | 8,641 | 8,821 | .3 |
| Average sulfur Content(percent) | .4 | .3 | .4 | .5 |
| Petroleum (2002 cents per million Btu) | 389.9 | 420.6 | 483.8 | 2.4 |
| Average heat value (Btu per gallon) | 138,837 | 140,096 | 147,024 | .6 |
| Average sulfur Content(percent) | .0 | .0 | * | NM |
| Gas (2002 cents per million Btu)..... | 346.4 | 295.8 | 344.1 | -.1 |
| Average heat value (Btu per cubic foot)..... | 1,039 | 1,032 | 1,025 | -.1 |

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) |
|-----------------------|--------|--------|--------|--|
| Oklahoma | | | | |
| Sulfur Dioxide | | | | |
| Coal | 116 | 120 | 165 | 4.0 |
| Petroleum | * | * | * | 21.1 |
| Gas..... | 0 | 0 | * | NM |
| Other..... | * | * | 1 | 3.4 |
| Total | 117 | 121 | 166 | 4.0 |
| Nitrogen Oxide | | | | |
| Coal | 130 | 84 | 76 | -5.7 |
| Petroleum | * | * | * | .4 |
| Gas..... | 20 | 18 | 22 | 1.4 |
| Other..... | * | * | * | 2.8 |
| Total | 149 | 102 | 98 | -4.5 |
| Carbon Dioxide | | | | |
| Coal | 35,143 | 39,897 | 40,424 | 1.6 |
| Petroleum | 46 | 26 | 44 | -.4 |
| Gas..... | 9,916 | 8,460 | 12,080 | 2.2 |
| Other..... | 0 | * | 0 | NM |
| Total | 45,105 | 48,383 | 52,549 | 1.7 |

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 |
|---|--------|--------|--------|--|-----------------------|-----------------------|-----------------------|
| Oklahoma | | | | | | | |
| Retail Sales (thousand megawatthours) | | | | | | | |
| Residential..... | 15,901 | 17,376 | 19,927 | 2.5 | 39.2 | 39.1 | 40.3 |
| Commercial..... | 10,824 | 11,754 | 13,097 | 2.1 | 26.7 | 26.4 | 26.5 |
| Industrial..... | 11,699 | 12,802 | 12,898 | 1.1 | 28.9 | 28.8 | 26.1 |
| Other..... | 2,107 | 2,521 | 3,564 | 6.0 | 5.2 | 5.7 | 7.2 |
| Total..... | 40,531 | 44,453 | 49,485 | 2.2 | 100.0 | 100.0 | 100.0 |
| Retail Sales Revenue (million 2002 dollars) | | | | | | | |
| Residential..... | 1,265 | 1,184 | 1,341 | .6 | 47.0 | 47.8 | 48.5 |
| Commercial..... | 748 | 692 | 753 | .1 | 27.8 | 27.9 | 27.2 |
| Industrial..... | 539 | 478 | 491 | -1.0 | 20.0 | 19.3 | 17.8 |
| Other..... | 138 | 123 | 180 | 3.0 | 5.1 | 5.0 | 6.5 |
| Total..... | 2,691 | 2,476 | 2,765 | .3 | 100.0 | 100.0 | 100.0 |
| Average Revenue per Kilowatthour (2002 cents/kWh) | | | | | | | |
| Residential..... | 7.96 | 6.81 | 6.73 | -1.8 | NA | NA | NA |
| Commercial..... | 6.91 | 5.88 | 5.75 | -2.0 | NA | NA | NA |
| Industrial..... | 4.61 | 3.73 | 3.81 | -2.1 | NA | NA | NA |
| Other..... | 6.54 | 4.89 | 5.06 | -2.8 | NA | NA | NA |
| Total..... | 6.64 | 5.57 | 5.59 | -1.9 | 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 |
|---|----------------|---------|---------|-------------|--------------------------|-----------|
| Oklahoma | | | | | | |
| Number of Entities..... | 1 | 72 | 0 | 24 | 0 | 97 |
| Number of Retail Customers..... | 503,683 | 887,728 | 0 | 390,986 | 0 | 1,782,397 |
| Retail Sales (thousand megawatthours)..... | 16,467 | 25,973 | 0 | 7,046 | 0 | 49,485 |
| Percentage of Retail Sales..... | 33.28 | 52.49 | .00 | 14.24 | .00 | 100.00 |
| Revenue from Retail Sales (million 2002 dollars)..... | 736 | 1,530 | 0 | 499 | 0 | 2,765 |
| Percentage of Revenue..... | 26.61 | 55.36 | .00 | 18.03 | .00 | 100.00 |
| Revenue per Kilowatthour (2002 cents/kWh)..... | 4.47 | 5.89 | .00 | 7.08 | 0 | 5.59 |

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 ".5").