

Table 1. 2002 Summary Statistics

Item	Value	U.S. Rank
Alabama		
NERC Region(s).....		SERC
Primary Energy Source		Coal
Net Summer Capability (megawatts).....	26,586	12
Electric Utilities	23,429	8
Independent Power Producers & Combined Heat and Power	3,157	23
Net Generation (megawatthours)	132,920,670	8
Electric Utilities	123,739,223	4
Independent Power Producers & Combined Heat and Power	9,181,447	22
Emissions (thousand short tons)		
Sulfur Dioxide	467	10
Nitrogen Oxide	178	9
Carbon Dioxide	83,993	9
Sulfur Dioxide/sq. mile.....	9	13
Nitrogen Oxide/sq. mile.....	3	13
Carbon Dioxide/sq. mile.....	1,655	15
Utility and ESP Retail Electricity Sales (megawatthours).....	83,067,078	15
Utility Retail Electricity Sales (megawatthours)	83,067,078	15
Direct Use (megawatthours).....	5,866,005	7
Average Retail Price (cents/kWh).....	5.71	41

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2002

Plant	Energy Sources	Operating Company	Net Capability (MW)
Alabama			
1. Browns Ferry	Nuclear	Tennessee Valley Authority	3,291
2. James H Miller Jr	Petroleum, Gas, Coal	Alabama Power Co	2,686
3. Barry	Petroleum, Gas, Coal	Alabama Power Co	2,520
4. E C Gaston	Petroleum, Coal	Alabama Power Co	1,906
5. Joseph M Farley	Nuclear	Alabama Power Co	1,675
6. Widows Creek	Petroleum, Coal	Tennessee Valley Authority	1,608
7. Colbert	Gas, Petroleum, Coal	Tennessee Valley Authority	1,565
8. Gorgas	Petroleum, Coal	Alabama Power Co	1,288
9. Greene County	Petroleum, Gas, Coal	Alabama Power Co	1,257
10. Tenaska Lindsay Hill	Petroleum, Gas	Tenaska Alabama Partners LP	858

See footnotes at end of tables.

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

Utility	All Sectors	Residential	Commercial	Industrial	Other
Alabama					
A. Alabama Power Company	52,073,190	17,402,645	13,356,972	21,108,226	205,347
B. Tennessee Valley Authority	5,073,906	0	0	5,035,798	38,108
C. City of Huntsville	4,729,117	2,147,576	1,515,221	1,035,464	30,856
D. Decatur Utilities	1,440,271	378,010	298,700	755,537	8,024
E. City of Florence	1,168,312	624,194	390,433	142,259	11,426
Total	64,484,796	20,552,425	15,561,326	28,077,284	293,761
Percentage of Utility Sales	77.6	68.5	79.1	86.1	38.4

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
Alabama							
Coal	11,579	11,286	11,246	-0.3	55.7	51.5	42.3
Petroleum	18	16	34	7.5	.1	.1	.1
Natural Gas	92	347	2,605	44.9	.4	1.6	9.8
Dual Fired	494	1,359	1,577	13.8	2.4	6.2	5.9
Nuclear	4,835	4,873	4,966	.3	23.2	22.2	18.7
Hydroelectric	2,955	2,959	3,002	.2	14.2	13.5	11.3
Total Electric Utilities	19,972	20,840	23,429	1.8	96.0	95.1	88.1
Coal	23	23	19	-2.3	.1	.1	.1
Petroleum	*	4	7	53.7	.0	.0	.0
Natural Gas	126	155	1,820	34.6	.6	.7	6.8
Other Gases	94	104	4	-30.0	.5	.5	.0
Dual Fired	0	61	765	NM	.0	.3	2.9
Other Renewables	583	723	543	-8	2.8	3.3	2.0
Total IPP's & Combined Heat and Power	826	1,070	3,157	16.1	4.0	4.9	11.9
Coal	11,602	11,309	11,265	-.3	55.8	51.6	42.4
Petroleum	18	20	41	9.7	.1	.1	.2
Natural Gas	218	502	4,425	39.7	1.0	2.3	16.6
Other Gases	94	104	4	-30.0	.5	.5	.0
Dual Fired	494	1,420	2,342	18.9	2.4	6.5	8.8
Nuclear	4,835	4,873	4,966	.3	23.2	22.2	18.7
Hydroelectric	2,955	2,959	3,002	.2	14.2	13.5	11.3
Other Renewables	583	723	543	-8	2.8	3.3	2.0
Total Electric Industry	20,798	21,910	26,586	2.8	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
Alabama							
Coal	66,758,044	71,586,318	71,630,811	0.8	67.2	59.9	53.9
Petroleum	72,217	118,818	184,379	11.0	.1	.1	.1
Natural Gas	435,761	885,184	11,242,320	43.5	.4	.7	8.5
Nuclear	17,823,325	29,572,670	31,856,926	6.7	17.9	24.7	24.0
Hydroelectric	9,034,210	11,520,637	8,824,787	-.3	9.1	9.6	6.6
Total Electric Utilities	94,123,557	113,683,627	123,739,223	3.1	94.8	95.1	93.1
Coal	578,277	517,000	410,853	-3.7	.6	.4	.3
Petroleum	120,727	118,597	127,669	.6	.1	.1	.1
Natural Gas	825,217	1,224,434	4,661,745	21.2	.8	1.0	3.5
Other Gases	338,105	283,878	112,541	-11.5	.3	.2	.1
Other Renewables	3,351,114	3,344,408	3,750,350	1.3	3.4	2.8	2.8
Other	0	370,388	118,289	NM	.0	.3	.1
Total IPP's & Combined Heat and Power	5,213,440	5,858,704	9,181,447	6.5	5.2	4.9	6.9
Coal	67,336,321	72,103,318	72,041,664	.8	67.8	60.3	54.2
Petroleum	192,944	237,415	312,048	5.5	.2	.2	.2
Natural Gas	1,260,978	2,109,618	15,904,065	32.5	1.3	1.8	12.0
Other Gases	338,105	283,878	112,541	-11.5	.3	.2	.1
Nuclear	17,823,325	29,572,670	31,856,926	6.7	17.9	24.7	24.0
Hydroelectric	9,034,210	11,520,637	8,824,787	-.3	9.1	9.6	6.6
Other Renewables	3,351,114	3,344,408	3,750,350	1.3	3.4	2.8	2.8
Other	0	370,388	118,289	NM	.0	.3	.1
Total Electric Industry	99,336,997	119,542,331	132,920,670	3.3	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)
Alabama				
Coal (2002 cents per million Btu)	196.2	157.8	141.6	-3.5
Average heat value (Btu per pound)	12,092	11,584	11,245	-.8
Average sulfur Content(percent)	1.3	1.1	.9	-3.8
Petroleum (2002 cents per million Btu)	474.2	416.5	509.2	.8
Average heat value (Btu per gallon)	137,673	139,646	140,117	.2
Average sulfur Content(percent)0	.0	.1	NM
Gas (2002 cents per million Btu)	290.3	284.9	345.7	1.9
Average heat value (Btu per cubic foot)	1,016	1,031	1,027	.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)
Alabama				
Sulfur Dioxide				
Coal	555	575	454	-2.2
Petroleum	*	1	1	15.6
Gas.....	*	*	*	.0
Other.....	9	9	12	3.5
Total	565	585	467	-2.1
Nitrogen Oxide				
Coal	238	212	163	-4.2
Petroleum	*	*	*	-5
Gas.....	12	12	10	-2.0
Other.....	2	3	5	7.7
Total	253	227	178	-3.9
Carbon Dioxide				
Coal	68,530	73,459	75,716	1.1
Petroleum	194	245	258	3.2
Gas.....	1,225	1,882	8,019	23.2
Total	69,949	75,585	83,993	2.0

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
Alabama							
Retail Sales (thousand megawatthours)							
Residential.....	22,628	24,893	30,022	3.2	34.8	33.4	36.1
Commercial.....	11,254	16,397	19,666	6.4	17.3	22.0	23.7
Industrial	30,524	32,617	32,615	.7	46.9	43.8	39.3
Other	652	646	764	1.8	1.0	.9	.9
Total	65,058	74,554	83,067	2.8	100.0	100.0	100.0
Retail Sales Revenue (million 2002 dollars)							
Residential.....	1,720	1,725	2,138	2.4	41.9	42.3	45.1
Commercial.....	869	1,069	1,305	4.6	21.2	26.2	27.5
Industrial	1,475	1,242	1,244	-1.9	35.9	30.4	26.2
Other	43	43	57	3.3	1.0	1.0	1.2
Total	4,108	4,080	4,745	1.6	100.0	100.0	100.0
Average Revenue per Kilowatthour (2002 cents/kWh)							
Residential.....	7.60	6.93	7.12	-.7	NA	NA	NA
Commercial.....	7.72	6.52	6.63	-1.7	NA	NA	NA
Industrial	4.83	3.81	3.82	-2.6	NA	NA	NA
Other	6.56	6.65	7.46	1.4	NA	NA	NA
Total	6.31	5.47	5.71	-1.1	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
Alabama						
Number of Entities.....	1	36	1	25	0	63
Number of Retail Customers.....	1,349,662	473,625	22	493,920	0	2,317,229
Retail Sales (thousand megawatthours).....	52,073	15,552	5,074	10,368	0	83,067
Percentage of Retail Sales.....	62.69	18.72	6.11	12.48	.00	100.00
Revenue from Retail Sales (million 2002 dollars).....	2,951	908	161	725	0	4,745
Percentage of Revenue.....	62.20	19.13	3.39	15.28	.00	100.00
Revenue per Kilowatthour (2002 cents/kWh).....	5.67	5.84	3.17	6.99	0	5.71

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 "**".)