

Table 1. 2003 Summary Statistics

Item	Value	U.S. Rank
Alabama		
NERC Region(s).....		SERC
Primary Energy Source		Coal
Net Summer Capability (megawatts).....	30,162	10
Electric Utilities	23,007	8
Independent Power Producers & Combined Heat and Power	7,154	15
Net Generation (megawatthours).....	137,487,222	8
Electric Utilities	126,845,720	3
Independent Power Producers & Combined Heat and Power	10,641,502	23
Emissions (thousand metric tons)		
Sulfur Dioxide	453	9
Nitrogen Oxide	152	8
Carbon Dioxide	80,325	9
Sulfur Dioxide (lbs/MWh).....	7.3	15
Nitrogen Oxide (lbs/MWh).....	2.4	29
Carbon Dioxide (lbs/MWh).....	1,288	31
Total Retail Sales (megawatthours).....	83,844,220	15
Full Service Provider Sales (megawatthours).....	83,844,220	15
Direct Use (megawatthours).....	6,481,099	5
Average Retail Price (cents/kWh).....	5.88	40

See footnotes at end of tables.

Table 2. Ten Largest Plants by Generating Capability, 2003

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
Alabama			
1. Browns Ferry.....	Nuclear	Tennessee Valley Authority	3,297
2. James H Miller Jr.....	Gas, Coal	Alabama Power Co	2,742
3. Barry	Gas, Coal	Alabama Power Co	2,520
4. E C Gaston	Petroleum, Coal	Alabama Power Co	1,897
5. Joseph M Farley.....	Nuclear	Alabama Power Co	1,675
6. Widows Creek.....	Petroleum, Coal	Tennessee Valley Authority	1,603
7. Colbert	Gas, Petroleum, Coal	Tennessee Valley Authority	1,559
8. Greene County.....	Petroleum, Gas, Coal	Alabama Power Co	1,249
9. Gorgas.....	Petroleum, Coal	Alabama Power Co	1,235
10. Franklin.....	Gas	Southern Power Co	1,139

See footnotes at end of tables.

Table 3. Top Five Providers of Retail Electricity, 2003
(Megawatthours)

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
Alabama						
1. Alabama Power Co.....	Investor-Owned	52,208,020	16,959,566	13,648,655	21,599,799	0
2. Tennessee Valley Authority	Federal	5,872,117	0	0	5,872,117	0
3. Huntsville City of.....	Public	4,713,228	2,105,833	1,529,975	1,077,420	0
4. Decatur Utilities.....	Public	1,404,329	368,740	302,102	733,487	0
5. Joe Wheeler Elec Member Corp.....	Cooperative	1,152,382	556,980	234,696	360,706	0
Total Sales, Top Five Providers.....		65,350,076	19,991,119	15,715,428	29,643,529	0
Percent of Total State Sales		77.9	68.0	77.0	87.1	.0

See footnotes at end of tables.

Table 4. Electric Power Industry Net Summer Capability by Primary Energy Source, 1994, 1998, and 2003
(Megawatts)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Alabama							
Electric Utilities	19,878	21,292	23,007	1.6	95.4	95.2	76.3
Coal.....	11,494	11,349	11,217	-.3	55.2	50.7	37.2
Petroleum.....	18	16	34	7.3	.1	.1	.1
Natural Gas.....	92	338	1,976	40.6	.4	1.5	6.6
Dual Fired.....	480	1,633	1,574	14.1	2.3	7.3	5.2
Nuclear.....	4,835	4,947	4,972	.3	23.2	22.1	16.5
Hydroelectric.....	2,959	3,009	3,234	1.0	14.2	13.4	10.7
Independent Power Producers and Combined							
Heat and Power	951	1,082	7,154	25.1	4.6	4.8	23.7
Coal.....	59	23	14	-14.8	.3	.1	*
Petroleum.....	0	15	7	NM	.0	.1	*
Natural Gas.....	133	202	5,113	50.0	.6	.9	17.0
Other Gases.....	90	104	4	-29.2	.4	.5	*
Dual Fired.....	0	21	1,472	NM	.0	.1	4.9
Other Renewables.....	669	717	544	-2.3	3.2	3.2	1.8
Total Electric Industry	20,829	22,373	30,162	4.2	100.0	100.0	100.0
Coal.....	11,554	11,372	11,231	-.3	55.5	50.8	37.2
Petroleum.....	18	31	41	9.6	.1	.1	.1
Natural Gas.....	224	539	7,090	46.8	1.1	2.4	23.5
Other Gases.....	90	104	4	-29.2	.4	.5	*
Dual Fired.....	480	1,654	3,046	22.8	2.3	7.4	10.1
Nuclear.....	4,835	4,947	4,972	.3	23.2	22.1	16.5
Hydroelectric.....	2,959	3,009	3,234	1.0	14.2	13.4	10.7
Other Renewables.....	669	717	544	-2.3	3.2	3.2	1.8

See footnotes at end of tables.

Table 5. Electric Power Industry Generation by Primary Energy Source, 1994, 1998, and 2003
(Megawatthours)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Alabama							
Electric Utilities	95,171,057	113,393,840	126,845,720	3.2	94.4	94.6	92.3
Coal.....	62,768,480	71,457,433	76,238,978	2.2	62.3	59.6	55.5
Petroleum.....	120,574	260,095	195,363	5.5	.1	.2	.1
Natural Gas.....	373,124	2,448,942	6,069,559	36.3	.4	2.0	4.4
Nuclear.....	20,479,759	28,662,513	31,676,953	5.0	20.3	23.9	23.0
Hydroelectric.....	11,429,120	10,564,857	12,664,867	1.1	11.3	8.8	9.2
Independent Power Producers and Combined							
Heat and Power	5,593,200	6,468,285	10,641,502	7.4	5.6	5.4	7.7
Coal.....	535,595	482,603	457,413	-1.7	.5	.4	.3
Petroleum.....	124,410	193,579	141,281	1.4	.1	.2	.1
Natural Gas.....	874,910	1,302,756	6,174,039	24.2	.9	1.1	4.5
Other Gases.....	328,383	268,002	170,368	-7.0	.3	.2	.1
Other Renewables.....	3,729,902	4,220,118	3,698,401	-1	3.7	3.5	2.7
Other.....	0	1,227	0	NM	.0	*	.0
Total Electric Industry	100,764,257	119,862,125	137,487,222	3.5	100.0	100.0	100.0
Coal.....	63,304,075	71,940,036	76,696,391	2.2	62.8	60.0	55.8
Petroleum.....	244,984	453,674	336,644	3.6	.2	.4	.2
Natural Gas.....	1,248,034	3,751,698	12,243,598	28.9	1.2	3.1	8.9
Other Gases.....	328,383	268,002	170,368	-7.0	.3	.2	.1
Nuclear.....	20,479,759	28,662,513	31,676,953	5.0	20.3	23.9	23.0
Hydroelectric.....	11,429,120	10,564,857	12,664,867	1.1	11.3	8.8	9.2
Other Renewables.....	3,729,902	4,220,118	3,698,401	-1	3.7	3.5	2.7
Other.....	0	1,227	0	NM	.0	*	.0

See footnotes at end of tables.

Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1994, 1998, and 2003

Fuel, Quality	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
Alabama				
Coal (cents per million Btu).....	167.2	157.5	W	W
Average heat value (Btu per pound).....	12,088	11,519	10,977	-1.1
Average sulfur Content (percent).....	1.3	1.1	.9	-3.5
Petroleum (cents per million Btu).....	402.0	287.6	W	W
Average heat value (Btu per gallon).....	137,865	139,510	141,394	.3
Average sulfur Content (percent).....	.3	.2	.1	-9.2
Natural Gas (cents per million Btu).....	234.3	247.5	561.5	10.2
Average heat value (Btu per cubic foot).....	1,011	1,044	1,039	.3

See footnotes at end of tables.

Table 7. Electric Power Industry Emissions Estimates, 1994, 1998, and 2003
(Thousand Metric Tons)

Emission Type	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
Alabama				
Sulfur Dioxide				
Coal	488	508	425	-1.5
Petroleum	1	3	1	9.4
Natural Gas	*	*	*	19.6
Other	25	15	26	.6
Total	513	526	453	-1.4
Nitrogen Oxide				
Coal	227	186	141	-5.2
Petroleum	*	1	1	2.4
Gas	4	7	5	2.7
Other	8	9	6	-3.2
Total	239	203	152	-4.9
Carbon Dioxide				
Coal	59,619	69,045	73,413	2.3
Petroleum	467	1,170	493	.6
Gas	2,135	4,341	6,359	12.9
Geothermal	—	—	—	NM
Other	—	—	59	NM
Total	62,220	74,556	80,325	2.9

See footnotes at end of tables.

Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1994, 1998, and 2003

Sector	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
Alabama							
Retail Sales (thousand megawatthours)							
Residential	23,159	27,327	29,416	2.7	34.3	34.5	35.1
Commercial	11,844	17,662	20,411	6.2	17.5	22.3	24.3
Industrial	31,919	33,539	34,017	.7	47.2	42.4	40.6
Other	659	644	NA	NM	1.0	.8	NA
Total	67,581	79,173	83,844	2.4	100.0	100.0	100.0
Retail Revenue (million dollars)							
Residential	1,550	1,897	2,175	3.8	41.8	43.1	44.1
Commercial	800	1,155	1,399	6.4	21.6	26.2	28.4
Industrial	1,315	1,306	1,355	.3	35.5	29.6	27.5
Other	41	47	NA	NM	1.1	1.1	NA
Total	3,707	4,404	4,929	3.2	100.0	100.0	100.0
Average Retail Price (cents/kWh)							
Residential	6.69	6.94	7.39	1.1	NA	NA	NA
Commercial	6.76	6.54	6.85	.1	NA	NA	NA
Industrial	4.12	3.89	3.98	-.4	NA	NA	NA
Other	6.28	7.26	NA	NM	NA	NA	NA
Total	5.48	5.56	5.88	.8	NA	NA	NA

See footnotes at end of tables.

Table 9. Retail Electricity Sales Statistics, 2003

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
Alabama								
Number of Entities.....	1	36	1	25	NA	NA	NA	63
Number of Retail Customers.....	1,363,120	476,247	22	499,615	NA	NA	NA	2,339,004
Retail Sales (thousand megawatthours)	52,208	15,430	5,872	10,334	NA	NA	NA	83,844
Percentage of Retail Sales	62.27	18.40	7.00	12.33	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	3,051	939	188	751	NA	NA	NA	4,929
Percentage of Revenue.....	61.91	19.04	3.82	15.23	NA	NA	NA	100.00
Average Retail Price (cents/kWh).....	5.84	6.08	3.21	7.26	NA	NA	NA	5.88

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 service. 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.

Other Notes: NA = Not applicable; NM = Not meaningful;

W = Withheld to avoid disclosure of individual company data;

* = 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 4 "Other Renewables" includes generation from municipal solid waste; Table 7 "Other" includes emissions from municipal solid 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.