Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Alabama		
NERC Region(s)		**SERC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**30,664**	**9**
Electric Utilities	23,218	7
Independent Power Producers & Combined Heat and Power	7,446	15
Net Generation (megawatthours)	**140,895,441**	**8**
Electric Utilities	124,365,180	3
Independent Power Producers & Combined Heat and Power	16,530,261	19
Emissions (thousand metric tons)		
Sulfur Dioxide	458	6
Nitrogen Oxide	122	10
Carbon Dioxide	85,116	9
Sulfur Dioxide (lbs/MWh)	7.2	13
Nitrogen Oxide (lbs/MWh)	1.9	31
Carbon Dioxide (lbs/MWh)	1,332	27
Total Retail Sales (megawatthours)	**90,677,695**	**14**
Full Service Provider Sales (megawatthours)	90,677,695	13
Direct Use (megawatthours)	**6,209,972**	**5**
Average Retail Price (cents/kWh)	**7.07**	**30**

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)
Alabama			
1. Browns Ferry	Nuclear	Tennessee Valley Authority	3,297
2. James H Miller Jr	Coal	Alabama Power Co	2,746
3. Barry	Coal	Alabama Power Co	2,441
4. E C Gaston	Coal	Alabama Power Co	1,897
5. Joseph M Farley	Nuclear	Alabama Power Co	1,711
6. Widows Creek	Coal	Tennessee Valley Authority	1,604
7. Colbert	Coal	Tennessee Valley Authority	1,558
8. E B Harris Electric Generating Plant	Gas	Southern Power Co	1,254
9. Gorgas	Coal	Alabama Power Co	1,247
10. Greene County	Coal	Alabama Power Co	1,237

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
Alabama						
1. Alabama Power Co	Investor-Owned	56,374,799	18,632,935	14,513,912	23,227,952	-
2. Tennessee Valley Authority	Federal	6,172,809	-	-	6,172,809	-
3. Huntsville City of	Public	5,112,852	2,350,963	1,658,521	1,103,368	-
4. Decatur Utilities	Public	1,408,108	375,192	316,009	716,907	-
5. Joe Wheeler Elec Member Corp	Cooperative	1,263,836	601,351	266,816	395,669	-
Total Sales, Top Five Providers		70,332,404	21,960,441	16,755,258	31,616,705	-
Percent of Total State Sales		78	68	76	87	-

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
Alabama										
Electric Utilities	**20,023**	**20,463**	**22,532**	**23,429**	**23,007**	**23,186**	**23,252[R]**	**23,218**	**97.5**	**75.7**
Coal	11,777	11,669	11,362	11,246	11,217	11,238	11,500	11,465	57.3	37.4
Petroleum	65[R]	18	34	34	34	34	34	34	0.3	0.1
Natural Gas	400[R]	987	3,157	4,182	3,550	3,627	3,471[R]	3,440	1.9	11.2
Nuclear	4,847	4,835	4,966	4,966	4,972	5,008	5,008	5,008	23.6	16.3
Hydroelectric	2,934	2,955	3,014	3,002	3,234	3,280	3,240	3,271	14.3	10.7
Independent Power Producers and Combined Heat and Power	**521**	**983**	**1,303**	**3,157**	**7,154**	**7,461**	**7,442[R]**	**7,446**	**2.5**	**24.3**
Coal	23	23	23	19	14	132	92	92	0.1	0.3
Petroleum	-	2	6	7	7	9	9	9	-	*
Natural Gas	54	165	842	2,585	6,585	6,681	6,688[R]	6,664	0.3	21.7
Other Gases	90	122	-	4	4	84	100	100	0.4	0.3
Other Renewables	354	671	432	543	544	555	553	581	1.7	1.9
Total Electric Industry	**20,544**	**21,446**	**23,835**	**26,586**	**30,162**	**30,647**	**30,694**	**30,664**	**100.0**	**100.0**
Coal	11,800	11,692	11,385	11,265	11,231	11,370	11,592	11,557	57.4	37.7
Petroleum	65[R]	20	39	41	41	43	43	43	0.3	0.1
Natural Gas	454[R]	1,152	3,998	6,766	10,136	10,308	10,159	10,104	2.2	33.0
Other Gases	90	122	-	4	4	84	100	100	0.4	0.3
Nuclear	4,847	4,835	4,966	4,966	4,972	5,008	5,008	5,008	23.6	16.3
Hydroelectric	2,934	2,955	3,014	3,002	3,234	3,280	3,240	3,271	14.3	10.7
Other Renewables	354	671	432	543	544	555	553	581	1.7	1.9

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
Alabama										
Electric Utilities	**76,231,696**	**99,589,284**	**118,744,284**	**123,739,223**	**126,845,720**	**124,554,606**	**126,303,893**	**124,365,180**	**95.7**	**88.3**
Coal	53,301,276	68,553,249	71,483,576	71,630,811	76,238,978	74,475,725	77,742,466	77,664,239	66.9	55.1
Petroleum	91,916	101,716	262,600	184,379	195,363	111,271	97,269	87,885	0.1	0.1
Natural Gas	420,115	680,468	8,284,663	11,242,320	6,069,559	7,705,600	6,625,354	7,450,174	0.5	5.3
Nuclear	12,051,882	20,752,341	30,357,063	31,856,926	31,676,953	31,635,789	31,694,223	31,911,096	15.1	22.6
Hydroelectric	10,366,507	9,501,510	8,356,382	8,824,787	12,664,867	10,626,221	10,144,581	7,251,786	13.0	5.1
Independent Power Producers and Combined Heat and Power	**3,420,437**	**5,600,082**	**6,600,829**	**9,181,447**	**10,641,502**	**12,800,166**	**11,644,688**	**16,530,261**	**4.3**	**11.7**
Coal	356,839	494,385	714,538	410,853	457,413	340,959	370,171	440,638	0.4	0.3
Petroleum	46,173	99,822	171,949	127,669	141,281	158,252	137,611	84,962	0.1	0.1
Natural Gas	600,599	852,916	1,328,019	4,661,745	6,174,039	8,340,232	7,245,960[R]	11,947,270	0.8	8.5
Other Gases	269,476	347,027	189,147	112,541	170,368	181,942	107,088	131,109	0.3	0.1
Other Renewables	2,147,350	3,805,932	4,189,364	3,745,894	3,672,858	3,751,497	3,759,257[R]	3,905,741	2.7	2.8
Other	-	-	7,812	122,745	25,543	27,284	24,601	20,540	-	*
Total Electric Industry	**79,652,133**	**105,189,366**	**125,345,113**	**132,920,670**	**137,487,222**	**137,354,772**	**137,948,581**	**140,895,441**	**100.0**	**100.0**
Coal	53,658,115	69,047,634	72,198,114	72,041,664	76,696,391	74,816,684	78,112,637	78,104,877	67.4	55.4
Petroleum	138,089	201,538	434,549	312,048	336,644	269,523	234,880	172,847	0.2	0.1
Natural Gas	1,020,714	1,533,384	9,612,682	15,904,065	12,243,598	16,045,832	13,871,314[R]	19,397,444	1.3	13.8
Other Gases	269,476	347,027	189,147	112,541	170,368	181,942	107,088	131,109	0.3	0.1
Nuclear	12,051,882	20,752,341	30,357,063	31,856,926	31,676,953	31,635,789	31,694,223	31,911,096	15.1	22.6
Hydroelectric	10,366,507	9,501,510	8,356,382	8,824,787	12,664,867	10,626,221	10,144,581	7,251,786	13.0	5.1
Other Renewables	2,147,350	3,805,932	4,189,364	3,745,894	3,672,858	3,751,497	3,759,257[R]	3,905,741	2.7	2.8
Other	-	-	7,812	122,745	25,543	27,284	24,601	20,540	-	*

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
Alabama								
Coal (cents per million Btu)	184	156	141	W	W	W	W	211
Average heat value (Btu per pound)	12,094	11,861	10,990	10,828	10,977	10,878	10,950	10,879
Average sulfur Content (percent)	1.51	1.20	0.92	0.94	0.95	0.84	0.97	0.94
Petroleum (cents per million Btu)	507	376	552	W	W	W	W	W
Average heat value (Btu per gallon)	130,098	138,276	144,286	140,588	141,395	142,757	141,012	140,469
Average sulfur Content (percent)	0.89	0.23	0.12	0.15	0.12	0.13	0.10	0.14
Natural Gas (cents per million Btu)	216	198	505	346	561	606	925	709
Average heat value (Btu per cubic foot)	1,030	1,016	1,030	1,037	1,039	1,035	1,041	1,036

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
Alabama								
Sulfur Dioxide								
Coal	485	458	435	417	425	385	428	430
Petroleum	1	1	2	1	1	1	1	1
Natural Gas	*	*	*	*	*	*	*	*
Other	19	25	26	28	26	23	26	26
Total	506	483	462	447	453	409	456	458
Nitrogen Oxide								
Coal	210	252	147	140	136	120	118	110
Petroleum	*	*	2	1	1	*	1	*
Natural Gas	2	4	13	13	8	9	6	5
Other	6	9	10	11	7	7	7	7
Total	218	266	171	165	152	136	131	122
Carbon Dioxide								
Coal	50,994	65,276	70,648	71,121	73,360	71,254	75,644	75,754
Petroleum	226	397	676	443	515	1,217	1,376	394
Natural Gas	1,107	2,170	6,490	8,383	6,365	7,845	6,766	8,945
Other Renewables	16	10	29	11	59	39	32	24
Total	52,342	67,853	77,843	79,958	80,300	80,354	83,818	85,116

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
Alabama										
Retail Sales (thousand megawatthours)										
Residential	20,719	24,314	27,802	30,022	29,416	30,109	31,315	32,277	34.6	35.6
Commercial	10,979	12,284	18,868	19,666	20,411	21,166	21,608	22,120	18.3	24.4
Industrial	27,618	32,847	31,949	32,615	34,017	35,595	36,279	36,281	46.1	40.0
Other	610	561	739	764	NA	NA	NA	NA	1.0	NA
All Sectors	59,926	70,007	79,358	83,067	83,844	86,871	89,202	90,678	100.0	100.0
Retail Revenue (million dollars)										
Residential	1,366	1,631	1,950	2,138	2,175	2,295	2,504	2,825	40.9	44.1
Commercial	738	827	1,233	1,305	1,399	1,506	1,620	1,809	22.1	28.2
Industrial	1,199	1,332	1,212	1,244	1,355	1,477	1,641	1,778	35.9	27.7
Other	34	41	53	57	NA	NA	NA	NA	1.0	NA
All Sectors	3,338	3,831	4,448	4,745	4,929	5,278	5,765	6,411	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	6.59	6.71	7.01	7.12	7.39	7.62	8.00	8.75	NA	NA
Commercial	6.72	6.73	6.53	6.63	6.85	7.12	7.50	8.18	NA	NA
Industrial	4.34	4.05	3.79	3.82	3.98	4.15	4.52	4.90	NA	NA
Other	5.61	7.35	7.11	7.46	NA	NA	NA	NA	NA	NA
All Sectors	5.57	5.47	5.60	5.71	5.88	6.08	6.46	7.07	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	
Alabama								
Number of Entities	1	36	1	24	NA	NA	NA	62
Number of Retail Customers	1,409,748	502,129	22	521,921	NA	NA	NA	2,433,820
Retail Sales (thousand megawatthours)	56,375	16,754	6,173	11,376	NA	NA	NA	90,678
Percentage of Retail Sales	62.17	18.48	6.81	12.55	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	3,996	1,185	239	992	NA	NA	NA	6,411
Percentage of Revenue	62.32	18.48	3.72	15.47	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	7.09	7.07	3.87	8.72	NA	NA	NA	7.07

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
Alabama								
Supply								
Generation								
Electric Utilities	76,232	99,589	118,744	123,739	126,846	124,555	126,304	124,365
Independent Power Producers	28	7	45	2,357	4,065	6,127	4,821	7,103
Combined Heat and Power, Electric	666	647	698	1,459	1,311	1,446	2,174	4,683
Electric Power Sector Generation Subtotal	**76,925**	**100,244**	**119,487**	**127,555**	**132,221**	**132,127**	**133,299**	**136,152**
Combined Heat and Power, Industrial	2,727	4,946	5,858	5,365	5,266	5,227	4,650	4,744
Industrial and Commercial Generation Subtotal	**2,727**	**4,946**	**5,858**	**5,365**	**5,266**	**5,227**	**4,650**	**4,744**
Total Net Generation	**79,652**	**105,189**	**125,345**	**132,921**	**137,487**	**137,355**	**137,949**	**140,895**
Total Supply	**79,652**	**105,189**	**125,345**	**132,921**	**137,487**	**137,355**	**137,949**	**140,895**
Disposition								
Retail Sales								
Full Service Providers	59,926	70,007	79,358	83,067	83,844	86,871	89,202	90,678
Total Electric Industry Retail Sales	**59,926**	**70,007**	**79,358**	**83,067**	**83,844**	**86,871**	**89,202**	**90,678**
Direct Use	**3,380**	**5,553**	**6,264**	**6,400**	**6,481**	**6,488**	**3,540**	**6,210**
Estimated Losses	**4,493**	**5,315**	**4,304**	**5,236**	**4,939**	**5,748**	**5,785**	**6,152**
Total Disposition	**67,798**	**80,875**	**89,926**	**94,703**	**95,265**	**99,106**	**98,527**	**103,039**
Net Interstate Trade	**11,854**	**24,315**	**35,419**	**38,217**	**42,223**	**38,248**	**39,421**	**37,856**
Net Trade Index (ratio)	**1.17**	**1.30**	**1.39**	**1.40**	**1.44**	**1.39**	**1.40**	**1.37**

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.