Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
Georgia		
NERC Region(s)		**SERC**
Primary Energy Source		**Coal**
Net Summer Capacity (megawatts)	**36,499**	**7**
Electric Utilities	26,542	2
Independent Power Producers & Combined Heat and Power	9,957	11
Net Generation (megawatthours)	**138,010,208**	**9**
Electric Utilities	127,367,613	2
Independent Power Producers & Combined Heat and Power	10,642,595	27
Emissions (thousand metric tons)		
Sulfur Dioxide	685	4
Nitrogen Oxide	130	8
Carbon Dioxide	89,898	8
Sulfur Dioxide (lbs/MWh)	10.9	4
Nitrogen Oxide (lbs/MWh)	2.1	30
Carbon Dioxide (lbs/MWh)	1,436	24
Total Retail Sales (megawatthours)	**134,834,168**	**8**
Full Service Provider Sales (megawatthours)	134,834,168	6
Direct Use (megawatthours)	**5,421,307**	**6**
Average Retail Price (cents/kWh)	**7.63**	**25**

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)
Georgia			
1. Scherer	Coal	Georgia Power Co	3,405
2. Bowen	Coal	Georgia Power Co	3,254
3. Vogtle	Nuclear	Georgia Power Co	2,301
4. Wansley	Coal	Georgia Power Co	1,827
5. Edwin I Hatch	Nuclear	Georgia Power Co	1,759
6. Harllee Branch	Coal	Georgia Power Co	1,607
7. Yates	Coal	Georgia Power Co	1,295
8. KGen Murray I and II LLC	Gas	Duke Energy Generation Services	1,244
9. McIntosh Combined Cycle Facility	Gas	Georgia Power Co	1,184
10. Wansley Combined Cycle	Gas	Southern Power Co	1,129

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
Georgia						
1. Georgia Power Co	Investor-Owned	84,555,891	26,206,170	32,594,158	25,577,006	178,557
2. Jackson Electric Member Corp	Cooperative	4,673,335	2,703,569	1,382,878	586,888	-
3. Cobb Electric Membership Corp	Cooperative	3,994,151	2,482,055	1,247,586	264,510	-
4. Sawnee Electric Membership Corporation	Cooperative	2,908,313	1,946,279	776,011	186,023	-
5. North Georgia Elec Member Corp	Cooperative	2,628,125	1,328,920	501,059	798,146	-
Total Sales, Top Five Providers		98,759,815	34,666,993	36,501,692	27,412,573	178,557
Percent of Total State Sales		73	64	80	79	100

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
Georgia										
Electric Utilities	**20,731**	**22,290**	**24,099**	**25,821**	**24,804**	**25,404**	**26,538**	**26,542**	**95.6**	**72.7**
Coal	12,952	12,551	13,503	13,498	13,331	13,215	13,192	13,192	59.7	36.1
Petroleum	1,488[R]	1,231[R]	1,145	1,145	1,055	991	991	991	6.9	2.7
Natural Gas	96[R]	1,274[R]	1,974	3,386	2,827	3,470	4,618	4,609	0.4	12.6
Nuclear	3,726	3,900	4,023	4,023	4,040	4,053	4,060	4,060	17.2	11.1
Hydroelectric	1,981	2,209	2,331	2,316	2,097	2,000	2,003	2,016	9.1	5.5
Pumped Storage	488	1,124	1,124	1,454	1,454	1,675	1,675	1,675	2.2	4.6
Independent Power Producers and Combined Heat and Power	**965**	**1,386**	**5,383**	**8,780**	**10,011**	**9,934**	**9,993**	**9,957**	**4.4**	**27.3**
Coal	79	64	312	317	317	273	273	245	0.4	0.7
Petroleum	143	203	178	253	307	262	1,195	1,192	0.7	3.3
Natural Gas	131	415	4,472	7,798	8,977	8,883	8,015	8,010	0.6	21.9
Hydroelectric	10	14	10	10	11	11	11	11	*	*
Other Renewables	603	690	410	402	399	506	499	499	2.8	1.4
Total Electric Industry	**21,696**	**23,675**	**29,482**	**34,601**	**34,815**	**35,338**	**36,531**	**36,499**	**100.0**	**100.0**
Coal	13,030	12,615	13,816	13,815	13,648	13,488	13,465	13,438	60.1	36.8
Petroleum	1,631[R]	1,433[R]	1,322	1,397	1,361	1,252	2,185	2,182	7.5	6.0
Natural Gas	227[R]	1,689[R]	6,446	11,184	11,804	12,353	12,633	12,618	1.0	34.6
Nuclear	3,726	3,900	4,023	4,023	4,040	4,053	4,060	4,060	17.2	11.1
Hydroelectric	1,991	2,223	2,341	2,325	2,109	2,012	2,014	2,027	9.2	5.6
Other Renewables	603	690	410	402	399	506	499	499	2.8	1.4
Pumped Storage	488	1,124	1,124	1,454	1,454	1,675	1,675	1,675	2.2	4.6

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
Georgia										
Electric Utilities	**97,565,058**	**102,015,724**	**110,564,676**	**111,855,967**	**115,755,114**	**117,918,895**	**126,444,777**	**127,367,613**	**95.0**	**92.3**
Coal	67,564,750	65,880,095	73,443,695	77,288,328	77,858,022	79,185,166	86,358,096	85,700,960	65.8	62.1
Petroleum	164,987	218,515	275,630	233,940	278,618	156,672	189,819	86,798	0.2	0.1
Natural Gas	151,615	572,818	1,168,337	1,189,392	890,600	2,044,196	4,567,674	7,430,266	0.1	5.4
Nuclear	24,796,884	30,660,626	33,681,769	31,107,735	33,256,649	33,747,705	31,534,259	32,005,810	24.1	23.2
Hydroelectric	4,544,712	4,146,208	2,564,955	2,684,740	4,107,318	3,663,002	4,004,150	2,544,122	4.4	1.8
Pumped Storage	342,110	537,462	-569,710	-648,168	-636,093	-877,846	-209,221	-400,343	0.3	-0.3
Independent Power Producers and Combined Heat and Power	**5,121,182**	**5,862,872**	**7,752,113**	**14,656,248**	**8,321,720**	**8,893,820**	**10,223,115**[R]	**10,642,595**	**5.0**	**7.7**
Coal	980,942	1,062,265	1,117,486	1,539,796	780,467	770,571	877,413	809,882	1.0	0.6
Petroleum	334,493	631,345	894,909	970,625	915,441	686,118	829,414	738,806	0.3	0.5
Natural Gas	678,565	887,066	2,697,536	5,699,758	3,386,391	4,151,766	5,209,486	5,508,251	0.7	4.0
Hydroelectric	44,405	50,533	31,472	30,982	32,952	29,394	27,903	24,715	*	*
Other Renewables	3,082,776	3,231,663	3,002,754	6,381,435	3,173,273	3,216,386	3,226,131	3,442,993	3.0	2.5
Other	1	-	7,956	33,652	33,196	39,585	52,768	117,949	*	0.1
Total Electric Industry	**102,686,240**	**107,878,596**	**118,316,789**	**126,512,215**	**124,076,834**	**126,812,715**	**136,667,892**[R]	**138,010,208**	**100.0**	**100.0**
Coal	68,545,692	66,942,360	74,561,181	78,828,124	78,638,489	79,955,737	87,235,509	86,510,842	66.8	62.7
Petroleum	499,480	849,860	1,170,539	1,204,565	1,194,059	842,790	1,019,233	825,604	0.5	0.6
Natural Gas	830,180	1,459,884	3,865,873	6,889,150	4,276,991	6,195,962	9,777,160	12,938,517	0.8	9.4
Nuclear	24,796,884	30,660,626	33,681,769	31,107,735	33,256,649	33,747,705	31,534,259	32,005,810	24.1	23.2
Hydroelectric	4,589,117	4,196,741	2,596,427	2,715,722	4,140,270	3,692,396	4,032,053	2,568,837	4.5	1.9
Other Renewables	3,082,776	3,231,663	3,002,754	6,381,435	3,173,273	3,216,386	3,226,131	3,442,993	3.0	2.5
Pumped Storage	342,110	537,462	-569,710	-648,168	-636,093	-877,846	-209,221	-400,343	0.3	-0.3
Other	1	-	7,956	33,652	33,196	39,585	52,768	117,949	*	0.1

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
Georgia								
Coal (cents per million Btu)	179	167	166	W	172	180	218	W
Average heat value (Btu per pound)	11,893	11,576	11,730	11,686	11,668	11,024	11,058	10,994
Average sulfur Content (percent)	1.63	0.81	0.81	0.79	0.82	0.78	0.81	0.82
Petroleum (cents per million Btu)	486	378	668	549	268	289	433	W
Average heat value (Btu per gallon)	139,812	139,631	145,714	138,348	134,648	136,533	141,855	135,864
Average sulfur Content (percent)	0.81	0.50	0.50	0.40	4.35	4.22	3.63	4.59
Natural Gas (cents per million Btu)	297	272	328	362	572	665	1,027[R]	710
Average heat value (Btu per cubic foot)	1,024	1,024	1,020	1,031	1,035	1,031	1,036[R]	1,038

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
Georgia								
Sulfur Dioxide								
Coal	805	440	479	495	517	524	583	619
Petroleum	13	2	47	36	42	33	35	37
Natural Gas	*	*	*	*	*	*	*	*
Other	30	39	32	32	27	27	27	29
Total	849	481	557	563	586	584	646	685
Nitrogen Oxide								
Coal	292	251	153	138	101	97	107	109
Petroleum	2	3	5	5	6	4	4	4
Natural Gas	2	4	3	6	4	3	4	5
Other	10	10	11	11	10	10	10	12
Total	306	268	172	159	120	115	126	130
Carbon Dioxide								
Coal	64,412	67,151	70,521	75,279	74,636	76,683	82,689	81,967
Petroleum	1,278	1,891	2,261	2,480	2,322	1,967	2,005	1,586
Natural Gas	1,075	1,677	2,837	3,799	2,177	2,916	4,374	5,687
Other Renewables	307	122	64	157	159	148	185	659
Total	67,072	70,841	75,683	81,716	79,294	81,714	89,253	89,898

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
Georgia										
Retail Sales (thousand megawatthours)										
Residential	29,933	35,812	44,380	48,600	48,174	51,124	52,827	54,521	37.2	40.4
Commercial	22,868	27,741	37,839	38,887	40,554	42,316	44,663	45,547	28.4	33.8
Industrial	26,717	31,493	33,941	34,603	34,768	35,846	34,602	34,588	33.2	25.7
Other	922	1,145	1,631	1,699	NA	NA	NA	NA	1.1	NA
Transportation	NA	NA	NA	NA	180	180	174	179	NA	0.1
All Sectors	80,440	96,192	117,790	123,789	123,677	129,466	132,265	134,834	100.0	100.0
Retail Revenue (million dollars)										
Residential	2,233	2,811	3,428	3,706	3,711	4,016	4,565	4,858	42.3	47.2
Commercial	1,677	2,031	2,503	2,513	2,699	2,912	3,428	3,559	31.8	34.6
Industrial	1,291	1,423	1,454	1,366	1,397	1,587	1,827	1,861	24.5	18.1
Other	75	98	140	141	NA	NA	NA	NA	1.4	NA
Transportation	NA	NA	NA	NA	9	9	10	11	NA	0.1
All Sectors	5,275	6,363	7,524	7,726	7,816	8,525	9,830	10,288	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential	7.46	7.85	7.72	7.63	7.70	7.86	8.64	8.91	NA	NA
Commercial	7.33	7.32	6.61	6.46	6.66	6.88	7.67	7.81	NA	NA
Industrial	4.83	4.52	4.28	3.95	4.02	4.43	5.28	5.38	NA	NA
Other	8.11	8.60	8.56	8.31	NA	NA	NA	NA	NA	NA
Transportation	NA	NA	NA	NA	4.81	5.12	5.90	6.12	NA	NA
All Sectors	6.56	6.62	6.39	6.24	6.32	6.58	7.43	7.63	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	
Georgia								
Number of Entities	1	53	NA	44	NA	NA	NA	98
Number of Retail Customers	2,287,987	336,987	NA	1,843,951	NA	NA	NA	4,468,925
Retail Sales (thousand megawatthours)	84,556	11,824	NA	38,455	NA	NA	NA	134,834
Percentage of Retail Sales	62.71	8.77	NA	28.52	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	6,206	857	NA	3,225	NA	NA	NA	10,288
Percentage of Revenue	60.32	8.33	NA	31.35	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	7.34	7.25	NA	8.39	NA	NA	NA	7.63

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
Georgia								
Supply								
Generation								
Electric Utilities	97,565	102,016	110,565	111,856	115,755	117,919	126,445	127,368
Independent Power Producers	8	316	1,847	4,894	3,031	3,861	4,913	5,164
Combined Heat and Power, Electric	-	-	386	388	207	33	141	178
Electric Power Sector Generation Subtotal	**97,573**	**102,332**	**112,798**	**117,138**	**118,993**	**121,813**	**131,499**	**132,709**
Combined Heat and Power, Commercial	3	14	3	3	3	3	10	4
Combined Heat and Power, Industrial	5,110	5,533	5,516	9,372	5,081	4,997	5,159	5,297
Industrial and Commercial Generation Subtotal	**5,113**	**5,547**	**5,519**	**9,374**	**5,084**	**5,000**	**5,169**	**5,301**
Total Net Generation	**102,686**	**107,879**	**118,317**	**126,512**	**124,077**	**126,813**	**136,668**	**138,010**
Total Supply	**102,686**	**107,879**	**118,317**	**126,512**	**124,077**	**126,813**	**136,668**	**138,010**
Disposition								
Retail Sales								
Full Service Providers	80,440	96,192	117,790	123,789	123,677	129,466	132,265	134,834
Total Electric Industry Retail Sales	**80,440**	**96,192**	**117,790**	**123,789**	**123,677**	**129,466**	**132,265**	**134,834**
Direct Use	**5,105**	**5,543**	**5,370**	**5,487**	**5,557**	**5,563**	**5,092**	**5,421**
Estimated Losses	**6,031**	**7,302**	**11,516**	**25,102**	**14,185**	**20,459**	**11,280**	**9,251**
Total Disposition	**91,577**	**109,038**	**134,677**	**154,378**	**143,418**	**155,488**	**148,638**	**149,507**
Net Interstate Trade	**11,110**	**-1,159**	**-16,360**	**-27,866**	**-19,342**	**-28,675**	**-11,970**	**-11,496**
Net Trade Index (ratio)	**1.12**	**0.99**	**0.88**	**0.82**	**0.87**	**0.82**	**0.92**	**0.92**

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.