

**Table 1. 2004 Summary Statistics**

Item	Value	U.S. Rank
<b>Georgia</b>		
NERC Region(s).....		SERC
Primary Energy Source .....		Coal
Net Summer Capability (megawatts).....	35,338	7
Electric Utilities .....	25,404	3
Independent Power Producers & Combined Heat and Power .....	9,934	10
Net Generation (megawatthours).....	126,812,715	10
Electric Utilities .....	117,918,895	5
Independent Power Producers & Combined Heat and Power .....	8,893,820	27
Emissions (thousand metric tons)		
Sulfur Dioxide .....	584	4
Nitrogen Oxide .....	116	12
Carbon Dioxide .....	81,496	9
Sulfur Dioxide (lbs/MWh).....	10.2	6
Nitrogen Oxide (lbs/MWh).....	2.0	30
Carbon Dioxide (lbs/MWh).....	1,417	25
Total Retail Sales (megawatthours).....	129,465,784	8
Full Service Provider Sales (megawatthours).....	129,465,784	5
Direct Use (megawatthours).....	5,562,700	6
Average Retail Price (cents/kWh).....	6.58	29

See footnotes at end of tables.

**Table 2. Ten Largest Plants by Generating Capability, 2004**

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
<b>Georgia</b>			
1. Scherer .....	Petroleum,Coal	Georgia Power Co	3,430
2. Bowen .....	Petroleum,Coal	Georgia Power Co	3,254
3. Vogtle .....	Nuclear	Georgia Power Co	2,301
4. Wansley .....	Petroleum,Coal	Georgia Power Co	1,827
5. Edwin I Hatch .....	Nuclear	Georgia Power Co	1,752
6. Harlee Branch.....	Petroleum,Coal	Georgia Power Co	1,607
7. Yates .....	Petroleum,Gas,Coal	Georgia Power Co	1,295
8. Murray Energy Facility.....	Gas	KGEM Power Partners, LLC	1,244
9. Wansley Combined Cycle.....	Gas	Southern Power Co	1,066
10. Tenaska Georgia Generation Facility .....	Petroleum,Gas	Tenaska Georgia Partners LP	933

See footnotes at end of tables.

**Table 3. Top Five Providers of Retail Electricity, 2004**  
(Megawatthours)

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
<b>Georgia</b>						
1. Georgia Power Co .....	Investor-Owned	77,904,202	22,930,371	28,436,240	26,357,271	180,320
2. Savannah Electric & Power Co .....	Investor-Owned	4,422,302	1,899,462	1,682,268	840,572	0
3. Jackson Electric Member Corp.....	Cooperative	4,205,835	2,423,925	1,252,663	529,247	0
4. Cobb Electric Membership Corp.....	Cooperative	3,573,782	2,215,550	1,130,752	227,480	0
5. North Georgia Elec Member Corp .....	Cooperative	2,628,621	1,389,574	482,075	756,972	0
Total Sales, Top Five Providers.....		92,734,742	30,858,882	32,983,998	28,711,542	180,320
Percent of Total State Sales .....		72	60	78	80	100

See footnotes at end of tables.

**Table 4. Electric Power Industry Net Summer Capability by Primary Energy Source, 1990, 1995, and 2000 Through 2004**  
(Megawatts)

Energy Source	1990	1995	2000	2001	2002	2003	2004	Percentage Share	
								1990	2004
<b>Georgia</b>									
<b>Electric Utilities</b> .....	<b>20,731</b>	<b>22,290</b>	<b>24,860</b>	<b>24,099</b>	<b>25,821</b>	<b>24,804</b>	<b>25,404</b>	<b>95.6</b>	<b>71.9</b>
Coal.....	12,952	12,551	13,470	13,503	13,498	13,331	13,215	59.7	37.4
Petroleum.....	926	1,064	990	991	991	991	991	4.3	2.8
Natural Gas.....	27	33	743	903	2,315	1,721	2,195	.1	6.2
Dual Fired.....	630	1,408	2,058	1,225	1,225	1,170	1,275	2.9	3.6
Nuclear.....	3,726	3,900	4,145	4,023	4,023	4,040	4,053	17.2	11.5
Hydroelectric .....	1,981	2,209	2,329	2,331	2,316	2,097	2,000	9.1	5.7
Pumped Storage.....	488	1,124	1,124	1,124	1,454	1,454	1,675	2.2	4.7
<b>Independent Power Producers and Combined</b>									
<b>Heat and Power</b> .....	<b>964</b>	<b>1,386</b>	<b>2,896</b>	<b>5,383</b>	<b>8,780</b>	<b>10,011</b>	<b>9,934</b>	<b>4.4</b>	<b>28.1</b>
Coal.....	79	64	261	312	317	317	273	.4	.8
Petroleum.....	143	192	189	178	253	307	262	.7	.7
Natural Gas.....	39	26	600	1,443	4,184	5,364	5,269	.2	14.9
Dual Fired.....	91	400	1,338	3,029	3,613	3,613	3,614	.4	10.2
Hydroelectric .....	9	13	11	10	10	11	11	*	*
Other Renewables.....	603	689	497	410	402	399	505	2.8	1.4
<b>Total Electric Industry</b> .....	<b>21,696</b>	<b>23,675</b>	<b>27,756</b>	<b>29,482</b>	<b>34,601</b>	<b>34,815</b>	<b>35,338</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	13,030	12,615	13,731	13,816	13,815	13,648	13,488	60.1	38.2
Petroleum.....	1,070	1,256	1,180	1,168	1,243	1,297	1,252	4.9	3.5
Natural Gas.....	67	59	1,342	2,346	6,500	7,084	7,463	.3	21.1
Dual Fired.....	722	1,808	3,397	4,254	4,838	4,784	4,889	3.3	13.8
Nuclear.....	3,726	3,900	4,145	4,023	4,023	4,040	4,053	17.2	11.5
Hydroelectric .....	1,991	2,223	2,341	2,341	2,325	2,109	2,012	9.2	5.7
Other Renewables.....	603	690	497	410	402	399	506	2.8	1.4
Pumped Storage.....	488	1,124	1,124	1,124	1,454	1,454	1,675	2.2	4.7

See footnotes at end of tables.

**Table 5. Electric Power Industry Generation by Primary Energy Source, 1990, 1995, and 2000 Through 2004**  
(Megawatthours)

Energy Source	1990	1995	2000	2001	2002	2003	2004	Percentage Share	
								1990	2004
<b>Georgia</b>									
<b>Electric Utilities</b> .....	<b>97,565,058</b>	<b>102,015,724</b>	<b>116,176,834</b>	<b>110,564,676</b>	<b>111,855,967</b>	<b>115,755,114</b>	<b>117,918,895</b>	<b>95.0</b>	<b>93.0</b>
Coal.....	67,564,750	65,880,095	79,007,166	73,443,695	77,288,328	77,858,022	79,185,166	65.8	62.4
Petroleum.....	164,987	218,515	641,415	275,630	233,940	278,618	156,672	.2	.1
Natural Gas.....	151,615	572,818	1,754,679	1,168,337	1,189,392	890,600	2,044,196	.1	1.6
Nuclear.....	24,796,884	30,660,626	32,472,935	33,681,769	31,107,735	33,256,649	33,747,705	24.1	26.6
Hydroelectric.....	4,544,712	4,146,208	2,455,467	2,564,955	2,684,740	4,107,318	3,663,002	4.4	2.9
Pumped Storage.....	342,110	537,462	-154,828	-569,710	-648,168	-636,093	-877,846	.3	-7
<b>Independent Power Producers and Combined</b>									
<b>Heat and Power</b> .....	<b>5,121,182</b>	<b>5,862,872</b>	<b>7,700,579</b>	<b>7,752,113</b>	<b>14,656,248</b>	<b>8,321,720</b>	<b>8,893,820</b>	<b>5.0</b>	<b>7.0</b>
Coal.....	980,942	1,062,265	1,093,284	1,117,486	1,539,796	780,467	770,571	1.0	.6
Petroleum.....	334,493	631,345	979,238	894,909	970,625	915,441	686,118	.3	.5
Natural Gas.....	678,565	887,066	2,496,398	2,697,536	5,699,758	3,386,391	4,151,766	.7	3.3
Hydroelectric.....	44,405	50,533	25,330	31,472	30,982	32,952	29,394	*	*
Other Renewables.....	3,082,776	3,231,663	3,104,799	3,009,307	6,415,087	3,206,469	3,255,971	3.0	2.6
Other.....	1	0	1,530	1,403	0	0	0	.0	.0
<b>Total Electric Industry</b> .....	<b>102,686,240</b>	<b>107,878,596</b>	<b>123,877,413</b>	<b>118,316,789</b>	<b>126,512,215</b>	<b>124,076,834</b>	<b>126,812,715</b>	<b>100.0</b>	<b>100.0</b>
Coal.....	68,545,692	66,942,360	80,100,450	74,561,181	78,828,124	78,638,489	79,955,737	66.8	63.0
Petroleum.....	499,480	849,860	1,620,653	1,170,539	1,204,565	1,194,059	842,790	.5	.7
Natural Gas.....	830,180	1,459,884	4,251,077	3,865,873	6,889,150	4,276,991	6,195,962	.8	4.9
Nuclear.....	24,796,884	30,660,626	32,472,935	33,681,769	31,107,735	33,256,649	33,747,705	24.1	26.6
Hydroelectric.....	4,589,117	4,196,741	2,480,797	2,596,427	2,715,722	4,140,270	3,692,396	4.5	2.9
Other Renewables.....	3,082,776	3,231,663	3,104,799	3,009,307	6,415,087	3,206,469	3,255,971	3.0	2.6
Pumped Storage.....	342,110	537,462	-154,828	-569,710	-648,168	-636,093	-877,846	.3	-7
Other.....	1	0	1,530	1,403	0	0	0	.0	.0

See footnotes at end of tables.

**Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1990, 1995, and 2000 Through 2004**

Fuel, Quality	1990	1995	2000	2001	2002	2003	2004
<b>Georgia</b>							
Coal (cents per million Btu).....	178.6	166.8	154.2	166.1	W	171.9	180.2
Average heat value (Btu per pound).....	11,893	11,576	11,559	11,730	11,698	11,668	11,024
Average sulfur Content (percent).....	1.6	.8	.8	.8	.8	.8	.8
Petroleum (cents per million Btu).....	485.5	378.1	690.6	668.4	548.6	267.9	288.7
Average heat value (Btu per gallon).....	139,814	139,632	138,499	145,857	140,850	134,648	136,533
Average sulfur Content (percent).....	.8	.5	.5	.5	.4	4.3	4.2
Natural Gas (cents per million Btu).....	296.8	272.1	417.6	327.8	362.3	571.7	664.9
Average heat value (Btu per cubic foot).....	1,024	1,024	1,031	1,022	1,022	1,035	1,031

See footnotes at end of tables.

**Table 7. Electric Power Industry Emissions Estimates, 1990, 1995, and 2000 Through 2004**  
(Thousand Metric Tons)

Emission Type	1990	1995	2000	2001	2002	2003	2004
<b>Georgia</b>							
Sulfur Dioxide							
Coal .....	805	440	488	468	499	517	524
Petroleum.....	13	2	25	41	50	42	33
Natural Gas .....	0	*	*	*	*	*	*
Other.....	30	39	31	27	48	27	27
Total.....	849	481	544	535	598	586	584
Nitrogen Oxide							
Coal .....	292	251	177	159	152	105	102
Petroleum.....	2	3	4	3	4	5	4
Gas.....	2	4	5	4	6	2	2
Other.....	10	10	8	8	14	9	8
Total.....	306	268	194	174	176	121	116
Carbon Dioxide							
Coal .....	64,316	66,461	74,418	69,877	75,350	74,703	76,469
Petroleum.....	1,295	1,878	2,832	2,242	2,478	2,320	1,966
Gas.....	1,075	1,705	3,197	2,834	3,796	2,175	2,913
Geothermal .....	0	0	0	0	0	0	0
Other.....	77	0	15	15	157	159	148
Total.....	66,764	70,044	80,462	74,968	81,781	79,356	81,496

See footnotes at end of tables.

**Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1990, 1995, and 2000 Through 2004**

Sector	1990	1995	2000	2001	2002	2003	2004	Percentage Share	
								1990	2004
<b>Georgia</b>									
Retail Sales (thousand megawatthours)									
Residential.....	29,933	35,812	44,560	44,380	48,600	48,174	51,124	37.2	39.5
Commercial .....	22,868	27,741	36,951	37,839	38,887	40,554	42,316	28.4	32.7
Industrial.....	26,717	31,493	36,085	33,941	34,603	34,768	35,846	33.2	27.7
Other .....	922	1,145	1,589	1,631	1,699	NA	NA	1.1	NA
Transportation.....	NA	NA	NA	NA	NA	180	180	NA	.1
Total.....	80,440	96,192	119,185	117,790	123,789	123,677	129,466	100.0	100.0
Retail Revenue (million dollars)									
Residential.....	2,233	2,811	3,386	3,428	3,706	3,711	4,016	42.3	47.1
Commercial .....	1,677	2,031	2,401	2,503	2,513	2,699	2,912	31.8	34.2
Industrial.....	1,291	1,423	1,481	1,454	1,366	1,397	1,587	24.5	18.6
Other .....	75	98	135	140	141	NA	NA	1.4	NA
Transportation.....	NA	NA	NA	NA	NA	9	9	NA	.1
Total.....	5,275	6,363	7,404	7,524	7,726	7,816	8,525	100.0	100.0
Average Retail Price (cents/kWh)									
Residential.....	7.46	7.85	7.60	7.72	7.63	7.70	7.86	NA	NA
Commercial .....	7.33	7.32	6.50	6.61	6.46	6.66	6.88	NA	NA
Industrial.....	4.83	4.52	4.10	4.28	3.95	4.02	4.43	NA	NA
Other .....	8.11	8.60	8.51	8.56	8.31	NA	NA	NA	NA
Transportation.....	NA	NA	NA	NA	NA	4.81	5.12	NA	NA
Total.....	6.56	6.61	6.21	6.39	6.24	6.32	6.58	NA	NA

See footnotes at end of tables.

**Table 9. Retail Electricity Sales Statistics, 2004**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
<b>Georgia</b>								
Number of Entities.....	2	53	NA	43	NA	NA	NA	98
Number of Retail Customers.....	2,201,541	333,360	NA	1,729,631	NA	NA	NA	4,264,532
Retail Sales (thousand megawatthours) .....	82,327	11,753	NA	35,386	NA	NA	NA	129,466
Percentage of Retail Sales .....	63.59	9.08	NA	27.33	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars) .....	5,119	772	NA	2,635	NA	NA	NA	8,525
Percentage of Revenue.....	60.04	9.05	NA	30.91	NA	NA	NA	100.00
Average Retail Price (cents/kWh).....	6.22	6.57	NA	7.45	NA	NA	NA	6.58

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.