

Table 1. 2006 Summary Statistics

Item	Value	U.S. Rank
South Carolina		
NERC Region(s).....		SERC
Primary Energy Source.....		Nuclear
Net Summer Capacity (megawatts)	22,782	16
Electric Utilities.....	21,019	10
Independent Power Producers & Combined Heat and Power.....	1,764	35
Net Generation (megawatthours).....	99,267,606	15
Electric Utilities.....	95,872,763	9
Independent Power Producers & Combined Heat and Power.....	3,394,843	39
Emissions (thousand metric tons)		
Sulfur Dioxide	219	16
Nitrogen Oxide.....	49	32
Carbon Dioxide.....	40,847	24
Sulfur Dioxide (lbs/MWh)	4.9	20
Nitrogen Oxide (lbs/MWh)	1.1	41
Carbon Dioxide (lbs/MWh).....	907	41
Total Retail Sales (megawatthours)	80,877,321	18
Full Service Provider Sales (megawatthours)	80,877,321	18
Direct Use (megawatthours)	1,619,838	21
Average Retail Price (cents/kWh).....	6.98	34

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)
South Carolina			
1. Oconee	Nuclear	Duke Energy Carolinas, LLC	2,538
2. Catawba	Nuclear	Duke Energy Carolinas, LLC	2,258
3. Bad Creek	Pumped Storage	Duke Energy Carolinas, LLC	1,360
4. Cross	Coal	South Carolina Pub Serv Auth	1,160
5. Winyah.....	Coal	South Carolina Pub Serv Auth	1,155
6. V C Summer	Nuclear	South Carolina Electric&Gas Co	966
7. John S Rainey	Gas	South Carolina Pub Serv Auth	958
8. H B Robinson	Nuclear	Progress Energy Carolinas Inc	905
9. Broad River Energy Center	Gas	Calpine Operating Services Company Inc	841
10. Jasper	Gas	South Carolina Electric&Gas Co	795

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
South Carolina						
1. Duke Energy Carolinas, LLC	Investor-Owned	21,685,649	6,089,242	5,551,117	10,045,290	-
2. South Carolina Electric & Gas Co.....	Investor-Owned	21,580,435	7,598,169	7,799,530	6,182,736	-
3. South Carolina Pub Serv Auth	Public	11,616,626	1,616,868	1,951,064	8,048,694	-
4. Progress Energy Carolinas Inc	Investor-Owned	7,066,596	2,112,581	1,823,697	3,130,318	-
5. Berkeley Electric Coop Inc	Cooperative	1,511,169	1,133,270	201,499	176,400	-
Total Sales, Top Five Providers		63,460,475	18,550,130	17,326,907	27,583,438	-
Percent of Total State Sales		78	65	83	88	-

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
South Carolina										
Electric Utilities.....	14,908	16,701	18,246	19,101	19,402	20,406	20,787	21,019	97.5	92.3
Coal.....	4,818	5,352	6,077	5,925	5,925	5,968	5,968	5,984	31.5	26.3
Petroleum.....	897 ^R	1,192 ^R	955	955	970	684	689	682	5.9	3.0
Natural Gas	301 ^R	345 ^R	1,279	2,150	2,437	3,712	3,708	3,923	2.0	17.2
Other Gases.....	364	-	-	-	-	-	-	-	2.4	-
Nuclear.....	6,346	6,364	6,445	6,492	6,472	6,472	6,472	6,472	41.5	28.4
Hydroelectric	1,031	1,262	1,271	1,360	1,360	1,316	1,324	1,321	6.7	5.8
Other Renewables.....	-	-	-	-	3	3	9	20	-	0.1
Pumped Storage.....	1,152	2,187	2,219	2,219	2,235	2,251	2,616	2,616	7.5	11.5
Independent Power Producers and Combined Heat and Power	375	405	1,181	1,262	1,257	1,790	1,765	1,764	2.5	7.7
Coal.....	158	131	103	103	103	103	103	103	1.0	0.5
Petroleum.....	1	1	3	3	3	3	3	3	*	*
Natural Gas	5	5	819	901	895	1,430	1,408	1,404	*	6.2
Hydroelectric	18	18	24	24	24	24	24	24	0.1	0.1
Other Renewables.....	193	250	232	232	232	230	227	230	1.3	1.0
Total Electric Industry.....	15,283	17,106	19,427	20,363	20,659	22,196	22,551	22,782	100.0	100.0
Coal.....	4,976	5,483	6,180	6,028	6,028	6,072	6,072	6,088	32.6	26.7
Petroleum.....	898 ^R	1,193 ^R	958	958	972	686	692	685	5.9	3.0
Natural Gas	306 ^R	349 ^R	2,098	3,051	3,332	5,143	5,116	5,327	2.0	23.4
Other Gases.....	364	-	-	-	-	-	-	-	2.4	-
Nuclear.....	6,346	6,364	6,445	6,492	6,472	6,472	6,472	6,472	41.5	28.4
Hydroelectric	1,049	1,280	1,295	1,384	1,384	1,340	1,348	1,345	6.9	5.9
Other Renewables.....	193	250	232	232	235	233	236	250	1.3	1.1
Pumped Storage.....	1,152	2,187	2,219	2,219	2,235	2,251	2,616	2,616	7.5	11.5

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
South Carolina										
Electric Utilities.....	69,259,815	78,439,814	86,734,778	93,689,257	91,544,429	94,406,828	99,104,373	95,872,763	97.1	96.6
Coal.....	22,874,805	25,801,600	36,302,690	36,490,769	37,065,509	38,516,633	39,352,428	39,140,908	32.1	39.4
Petroleum.....	71,997	129,854	225,008	205,664	289,474	690,071	484,181	135,522	0.1	0.1
Natural Gas.....	703,435	600,385	193,612	3,466,140	1,365,534	2,527,103	4,153,040	4,742,493	1.0	4.8
Nuclear.....	42,880,669	49,173,476	49,869,998	53,325,854	50,417,690	51,200,640	53,137,554	50,797,372	60.1	51.2
Hydroelectric.....	3,235,298	3,392,394	1,179,192	1,328,524	3,590,944	2,382,225	2,858,778	1,766,438	4.5	1.8
Other Renewables.....	-	-	-	15,522	22,091	239,246	317,067	409,929	-	0.4
Pumped Storage.....	-506,389	-657,895	-1,035,722	-1,143,216	-1,206,813	-1,149,090	-1,198,675	-1,119,899	-0.7	-1.1
Independent Power Producers and Combined Heat and Power.....	2,103,359	2,473,834	2,424,209	2,874,241	2,228,249	3,533,101	3,410,292	3,394,843	2.9	3.4
Coal.....	537,062	535,590	396,314	456,953	366,514	403,291	324,368	350,526	0.8	0.4
Petroleum.....	100,578	127,586	83,097	94,673	167,397	220,007	188,622	162,165	0.1	0.2
Natural Gas.....	84,100	89,497	982,502	1,032,179	297,248	1,267,986	1,259,512	1,325,925	0.1	1.3
Other Gases.....	-	9,254	198	314	73	9	-	-	-	-
Hydroelectric.....	62,768	64,749	46,251	61,227	74,482	64,684	79,369	40,510	0.1	*
Other Renewables.....	1,318,851	1,647,158	894,154	1,228,895	1,273,858	1,488,665	1,468,149	1,426,945	1.8	1.4
Other.....	-	-	21,693	-	48,677	88,459	90,273	88,771	-	0.1
Total Electric Industry.....	71,363,174	80,913,648	89,158,987	96,563,498	93,772,678	97,939,929	102,514,665	99,267,606	100.0	100.0
Coal.....	23,411,867	26,337,190	36,699,004	36,947,722	37,432,023	38,919,924	39,676,796	39,491,434	32.8	39.8
Petroleum.....	172,575	257,440	308,105	300,337	456,871	910,078	672,803	297,687	0.2	0.3
Natural Gas.....	787,535	689,882	1,176,114	4,498,319	1,662,782	3,795,089	5,412,552	6,068,418	1.1	6.1
Other Gases.....	-	9,254	198	314	73	9	-	-	-	-
Nuclear.....	42,880,669	49,173,476	49,869,998	53,325,854	50,417,690	51,200,640	53,137,554	50,797,372	60.1	51.2
Hydroelectric.....	3,298,066	3,457,143	1,225,443	1,389,751	3,665,426	2,446,909	2,938,147	1,806,948	4.6	1.8
Other Renewables.....	1,318,851	1,647,158	894,154	1,244,417	1,295,949	1,727,911	1,785,216	1,836,874	1.8	1.9
Pumped Storage.....	-506,389	-657,895	-1,035,722	-1,143,216	-1,206,813	-1,149,090	-1,198,675	-1,119,899	-0.7	-1.1
Other.....	-	-	21,693	-	48,677	88,459	90,273	88,771	-	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
South Carolina								
Coal (cents per million Btu)	172	151	157	W	W	W	W	W
Average heat value (Btu per pound)	12,655	12,852	12,570	12,698	12,669	12,565	12,617	12,584
Average sulfur Content (percent)	1.19	1.19	1.15	1.16	1.10	1.24	1.24	1.29
Petroleum (cents per million Btu)	622	411	585	W	W	W	W	W
Average heat value (Btu per gallon)	138,031	138,040	143,095	145,331	144,988	138,905	143,257	138,717
Average sulfur Content (percent)	0.21	0.21	0.21	1.23	1.69	3.67	2.42	2.89
Natural Gas (cents per million Btu)	172	160	257	W	W	W	W	787
Average heat value (Btu per cubic foot)	1,023	1,024	1,030	1,034	1,031	1,035	1,033	1,033

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
South Carolina								
Sulfur Dioxide								
Coal.....	165	198	197	191	197	207	206	206
Petroleum.....	6	*	3	3	3	5	4	4
Natural Gas.....	*	*	*	*	*	*	*	*
Other.....	9	11	7	7	8	9	9	9
Total.....	181	209	206	201	208	221	218	219
Nitrogen Oxide								
Coal.....	88	94	78	77	72	60	47	44
Petroleum.....	1	1	1	1	1	1	1	1
Natural Gas.....	1	1	*	1	1	1	1	1
Other.....	3	3	4	4	3	3	3	3
Total.....	93	99	83	84	76	65	51	49
Carbon Dioxide								
Coal.....	22,533	25,200	34,395	33,993	35,033	36,930	37,313	37,365
Petroleum.....	275	332	423	486	656	1,066	795	407
Natural Gas.....	502	492	647	2,074	754	1,729	2,477	2,779
Other Renewables.....	90	96	91	-	179	249	283	296
Total.....	23,400	26,120	35,556	36,553	36,622	39,975	40,867	40,847

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
South Carolina										
Retail Sales (thousand megawatthours)										
Residential.....	18,258	21,392	24,875	26,787	26,422	27,910	28,676	28,539	32.8	35.3
Commercial.....	11,927	14,020	17,484	18,157	19,336	20,113	20,498	20,923	21.4	25.9
Industrial.....	24,701	28,819	31,528	31,926	31,296	31,886	32,080	31,416	44.4	38.8
Other.....	766	843	946	950	NA	NA	NA	NA	1.4	NA
All Sectors.....	55,652	65,074	74,832	77,819	77,054	79,908	81,254	80,877	100.0	100.0
Retail Revenue (million dollars).....										
Residential.....	1,305	1,611	1,912	2,069	2,117	2,267	2,487	2,576	41.9	45.6
Commercial.....	734	890	1,127	1,177	1,316	1,390	1,515	1,591	23.6	28.2
Industrial.....	1,032	1,153	1,218	1,229	1,251	1,315	1,460	1,481	33.1	26.2
Other.....	42	49	60	61	NA	NA	NA	NA	1.4	NA
All Sectors.....	3,113	3,703	4,317	4,537	4,684	4,972	5,462	5,648	100.0	100.0
Average Retail Prices (cents/KWh)										
Residential.....	7.15	7.53	7.69	7.72	8.01	8.12	8.67	9.03	NA	NA
Commercial.....	6.15	6.35	6.45	6.48	6.81	6.91	7.39	7.60	NA	NA
Industrial.....	4.18	4.00	3.86	3.85	4.00	4.13	4.55	4.71	NA	NA
Other.....	5.53	5.87	6.39	6.44	NA	NA	NA	NA	NA	NA
All Sectors.....	5.59	5.69	5.77	5.83	6.08	6.22	6.72	6.98	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	
South Carolina								
Number of Entities	4	22	NA	21	NA	NA	NA	47
Number of Retail Customers	1,312,725	329,290	NA	681,776	NA	NA	NA	2,323,791
Retail Sales (thousand megawatthours)	50,547	15,702	NA	14,629	NA	NA	NA	80,877
Percentage of Retail Sales	62.50	19.41	NA	18.09	NA	NA	NA	100.00
Revenue from Retail Sales (million dollars)	3,407	968	NA	1,273	NA	NA	NA	5,648
Percentage of Revenue	60.33	17.13	NA	22.54	NA	NA	NA	100.00
Average Retail Price (cents/kWh)	6.74	6.16	NA	8.70	NA	NA	NA	6.98

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
South Carolina								
Supply								
Generation								
Electric Utilities	69,260	78,440	86,735	93,689	91,544	94,407	99,104	95,873
Independent Power Producers	60	61	497	633	278	486	735	730
Combined Heat and Power, Electric	-	-	509	416	100	855	595	623
Electric Power Sector Generation Subtotal	69,320	78,501	87,741	94,738	91,923	95,747	100,435	97,225
Combined Heat and Power, Commercial	67	77	54	2	56	87	82	84
Combined Heat and Power, Industrial	1,976	2,335	1,364	1,823	1,794	2,106	1,998	1,958
Industrial and Commercial Generation Subtotal	2,043	2,412	1,418	1,826	1,850	2,193	2,080	2,042
Total Net Generation	71,363	80,914	89,159	96,563	93,773	97,940	102,515	99,268
Total Supply	71,363	80,914	89,159	96,563	93,773	97,940	102,515	99,268
Disposition								
Retail Sales								
Full Service Providers	55,652	65,074	74,832	77,819	77,054	79,908	81,254	80,877
Total Electric Industry Retail Sales	55,652	65,074	74,832	77,819	77,054	79,908	81,254	80,877
Direct Use	1,787	2,103	1,973	2,016	2,042	2,044	1,599	1,620
Estimated Losses	4,173	4,940	2,976	4,675	4,203	4,889	5,659	5,469
Total Disposition	61,612	72,118	79,782	84,511	83,299	86,842	88,512	87,966
Net Interstate Trade	9,752	8,796	9,377	12,053	10,473	11,098	14,003	11,302
Net Trade Index (ratio)	1.16	1.12	1.12	1.14	1.13	1.13	1.16	1.13

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.