Georgia Power Company
Post Office Box 4545
230 Peachtree Street, N.W.
Atlanta, Georgia 30302
Telephone 404 522-6060

November 27, 1979

W. E. Ehrensperger
Senior Vice President
Power Supply

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
Nuclear Regulatory Commission
Washington, D. C. 20555

NRC DOCKETS 50-424, 50-425
CONSTRUCTION PERMITS CPPR-108, CPPR-109
ALVIN W. VOGTLE NUCLEAR PLANT UNITS 1, 2

Dear Mr. Denton:

The purpose of this letter is to inform you on behalf of Gerogia Power Company ("GPC"), Oglethorpe Power Corporation ("OPC"), the Municipal Electric Authority of Georgia ("MEAG"), and the City of Dalton ("DALTON") of two developments which may relate to the various requests and communications of Georgians Against Nuclear Energy ("GANE"):

(1) A new Georgia territorial load forecast of peak demands for electricity has been performed, and it indicates annual growth rates of 2.64% to 6.37% between years in the period 1979 - 1980, and averaging over the period 4.03% compounded annually. Attachment 1 is the current Georgia territorial generation expansion plan for meeting this anticipated load. Attachment 2 is the current Southern Company System generation expansion plan reflecting the new Georgia territorial forecast and revised forecasts for other system affiliates.

(2) GPC and Florida Power & Light Company ("FP&L") have begun discussions which may lead to FP&L joining as a co-owner of up to 30% of Plant Vogtle, with GPC reducing its ownership correspondingly. If the negotiations are successful, regulatory approvals would have to be obtained prior to consummating the arrangement. One of the required approvals, of course, would be that of the Nuclear Regulatory Commission, and because of the Commission's antitrust mandate, GPC assumes that some portion of the plant that would otherwise be owned by FP&L may instead be owned by Florida municipal or cooperative power suppliers. The negotiations are at an early stage, and it is

*The GANE communications, and to a lesser extent the two Directors' Denials, treat the various load forecasts, generation plans, and other power needs data as pertaining to "Georgia Power Company" when in fact they are observations concerning the combined systems of GPC, OPC, MEAG and Dalton. Similarly, Plant Vogtle has not been intended to serve the needs of GPC, which owns only approximately one-half of the plant, but of the combined needs of all four power suppliers.

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Georgia Power

not possible at this point to estimate when they will be concluded. It is GPC's expectation, however, that the discussions will take place over months, not years, and if they are successful that application for amendments to the construction permits would be made to the Commission shortly after conclusion. Attachment 3 is a long-hand revision of Attachment 2 showing the generation capacity impact on the Southern System of a FP&L arrangement.

Very truly yours,

W. E. Ehrensperger

LTG:MAC/mb

Attachment

xc: Gary Flack, Esquire
1515 Healey Building
57 Forsyth Street, NW
Atlanta, Georgia 30303

Stephen G. Burns
Office of Executive Legal Director
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

G. F. Trowbridge, Esquire
Ruble A. Thomas
M. A. Carlton

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SYSTEM EXPANSION PLAN
79R1-REV.3-GPC
1980 - 1990

UNIT	DATE	ADJUST. CAPACITY	NET SYSTEM CAPACITY	MW LOAD PROJECTED	MW RESERVE	% RESERVE
INITIAL GENERATION 12/31/79			13789.0			
PEAKING 43 MW COMB TURB	2/80	43.0	43.0			
WALLACE DAM 1-6 HYDRO	5/80	325.0	325.0			
SEPA PREFERENCE ADJUSTMENT	6/80	30.2	30.2			
SEPA HYDRO ADJUSTMENT	6/80	-30.2	-30.2			
CRISP COUNTY SEPA ADJUSTMENT	6/80	0.5	-0.5			
TOTAL 7/31/80			14156.5	10701.0	3455.5	32.29
BOWEN 1 PRECIP IMPROVEMENTS	1/81	100.0	100.0			
TVA INTERCHANGE ADJUSTMENT	6/81	-42.0	-42.0			
SEPA HYDRO ADJUSTMENT	6/81	-34.9	-34.9			
SEPA PREFERENCE ADJUSTMENT	6/81	34.9	34.9			
CRISP COUNTY SEPA ADJUSTMENT	6/81	-0.6	-0.6			
TOTAL 7/31/81			14213.9	11031.0	3182.9	28.85
SCHERER 1 808 FC (23.5% GPC)	2/82	808.0	808.0			
SEPA HYDRO ADJUSTMENT	6/82	-40.7	-40.7			
SEPA PREFERENCE ADJUSTMENT	6/82	40.7	40.7			
CRISP COUNTY SEPA ADJUSTMENT	6/82	-0.7	-0.7			
TOTAL 7/31/82			15021.1	11395.0	3626.1	31.82
TOTAL 7/31/83			15021.1	12120.0	2901.1	23.94
ATKINSON 1 RETIRE	1/84	-55.4	-55.4			
SCHERER 2 808 FC (23.5% GPC)	2/84	808.0	808.0			
TOTAL 7/31/84			15773.7	12847.0	2926.7	22.78
VOGTLE 1 1150 NUCLEAR	11/84	1150.0	1150.0			
RUSSELL DAM SEPA HYDRO	12/84	150.0	150.0			
TOTAL 7/31/85			17073.7	13408.0	3665.7	27.34

Attachment 1

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SYSTEM EXPANSION PLAN
79R1-REV.3-GPC
1980 - 1990

UNIT	DATE	ADJUST. CAPACITY	NET SYSTEM CAPACITY	MW LOAD PROJECTED	MW RESERVE	% RESERVE
TOTAL 7/31/85			17073.7	13408.0	3665.7	27.34
GASTON A RETIRE (50%)	1/86	-7.9	-7.9			
BARTLETTS FERRY HYDRO ADDITION	1/86	100.0	100.0			
TOTAL 7/31/86			17165.8	13950.0	3215.8	23.05
ROCKY MOUNTAIN 1-3 PUMP STOR	11/86	675.0	675.0			
ARKWRIGHT 1 RETIRE	1/87	-42.2	-42.2			
ATKINSON 2 RETIRE	1/87	-57.3	-57.3			
RUSSELL DAM SEPA P/S	1/87	150.0	150.0			
SCHERER 3 808 FC (33.5% GPC)	2/87	808.0	404.0			
TOTAL 7/31/87			18295.3	14649.0	3646.3	24.89
VOGTLE 2 1150 NUCLEAR	11/87	1150.0	1150.0			
ARKWRIGHT 2 RETIRE	1/88	-43.5	-43.5			
TOTAL 7/31/88			19401.8	15215.0	4186.8	27.52
ARKWRIGHT 3&4 RETIRE	1/89	-86.7	-86.7			
MITCHELL 1&2 RETIRE	1/89	-41.0	-41.0			
GOAT ROCK HYDRO ADDITION	1/89	67.0	67.0			
SCHERER 4 808 FC (33.5% GPC)	2/89	808.0	404.0			
TOTAL 7/31/89			19745.1	15616.0	4129.1	26.44
ARKWRIGHT 5A&5B RETIRE	1/90	-26.1	-26.1			
TOTAL 7/31/90			19719.0	16183.0	3536.0	21.85

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GENERATION EXPANSION PLAN 79R1(REV3)
PROPOSED BUDGET AND FORECAST PLAN (1980-1989)
(1990-2004 CONTINGENCY PLAN)
PEAK HOUR CAPABILITY, RESERVES, AND COMPOSITION OF CAPABILITY
(INCLUDING SEPA PREFERENCE CUSTOMER LOAD)
MW AND % OF LOAD

1980 CAPABILITY CHANGES:

GA	PEAKING	43 MW	COMB TURB
GA	WALLACE DAM 1-6	325 MW	HYDRO
GA	SEPA CHANGE	-1 MW	SEPA HYDRO
MISS	SMEPA ADJUSTMENT	-50 MW	SMEPA

		ALABAMA	GEORGIA	GULF	MISS	SYSTEM
LOAD	-MW	7019	10701	1350	1404	20248
NUCLEAR	-MW	807	1542	0	0	2349
	%	9.90	10.89	0.00	0.00	9.06
FOSSIL	-MW	5497	9791	1484	1907	18679
	%	67.43	69.17	94.64	92.84	72.04
PEAKING:						
COMB TURB	-MW	87	974	31	62	1154
	%	1.07	6.88	1.98	3.02	4.45
HYDRO	-MW	1163	800	0	0	1968
	%	14.33	5.65	0.00	0.00	7.59
SEPA HYDRO	-MW	310	932	38	69	1349
	%	3.80	6.58	2.42	3.36	5.20
TOTAL	-MW	1565	2706	69	131	4471
	%	19.20	19.12	4.40	6.38	17.24
OTHER:						
INTERUP LD	-MW	211	0	0	0	211
AEC	-MW	0	0	0	0	0
SMEPA	-MW	0	0	0	0	0
TVA	-MW	72	117	15	16	220
SAVANNAH	-MW	0	0	0	0	0
SCE&G	-MW	0	0	0	0	0
FPC	-MW	0	0	0	0	0
MSU	-MW	0	0	0	0	0
CRISP CTY	-MW	0	0	0	0	0
MISC	-MW	0	0	0	0	0
TOTAL	-MW	283	117	15	16	431
	%	3.47	0.83	0.96	0.78	1.66
TOTAL CAPAB	-MW	8152	14156	1568	2054	25930
RESERVES	-MW	1133	3455	218	650	5682
	%	16.14	32.29	16.15	46.30	28.06

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GENERATION EXPANSION PLAN 79R1(REV3)
PROPOSED BUDGET AND FORECAST PLAN (1980-1989)
(1990-2004 CONTINGENCY PLAN)
PEAK HOUR CAPABILITY, RESERVES, AND COMPOSITION OF CAPABILITY
(INCLUDING SEPA PREFERENCE CUSTOMER LOAD)
MW AND % OF LOAD

1981 CAPABILITY CHANGES:

ALA	TVA INTERCHANGE ADJUSTMENT	-25 MW	TVA
GA	CAPABILITY ADJUSTMENT	100 MW	FOSSIL
GA	TVA INTERCHANGE ADJUSTMENT	-42 MW	TVA
ALA	FARLEY 2	807 MW	NUCLEAR
ALA	BOULDIN DAM	232 MW	HYDRO
ALA	FARLEY 1 INCREASE	37 MW	NUCLEAR
ALA	TVA INTERCHANGE ADJUSTMENT	-25 MW	TVA
GA	SEPA CHANGE	-1 MW	SEPA HYDRO
GA	TVA INTERCHANGE ADJUSTMENT	-42 MW	TVA
GULF	DANIEL 1&2 (50%)	506 MW	FOSSIL
GULF	TVA INTERCHANGE ADJUSTMENT	-6 MW	TVA
MISS	DANIEL 1 (50%)	-254 MW	FOSSIL
MISS	DANIEL 2 (50%)	251 MW	FOSSIL
MISS	CAPABILITY ADJUSTMENT	24 MW	FOSSIL
MISS	TVA INTERCHANGE ADJUSTMENT	-7 MW	TVA

		ALABAMA	GEORGIA	GULF	MISS	SYSTEM
LOAD	-MW	7283	11031	1354	1459	20902
NUCLEAR	-MW	1651	1542	0	0	3193
	%	17.94	10.85	0.00	0.00	11.59
FOSSIL	-MW	5497	9891	1990	1928	19306
	%	59.73	69.59	96.23	93.23	70.07
PEAKING:						
COMB TURB	-MW	87	974	31	62	1154
	%	0.95	6.85	1.50	3.00	4.19
HYDRO	-MW	1400	800	0	0	2200
	%	15.21	5.63	0.00	0.00	7.98
SEPA HYDRO	-MW	310	931	38	69	1348
	%	3.37	6.55	1.84	3.34	4.89
TOTAL	-MW	1797	2705	69	131	4702
	%	19.53	19.03	3.34	6.33	17.07
OTHER:						
INTERUP LD	-MW	211	0	0	0	211
AEC	-MW	0	0	0	0	0
SMEPA	-MW	0	0	0	0	0
TVA	-MW	47	75	9	9	140
SAVANNAH	-MW	0	0	0	0	0
SCE&G	-MW	0	0	0	0	0
FPC	-MW	0	0	0	0	0
MSU	-MW	0	0	0	0	0
CRISP CTY	-MW	0	0	0	0	0
MISC	-MW	0	0	0	0	0
TOTAL	-MW	258	75	9	9	351
	%	2.80	0.53	0.44	0.44	1.27
TOTAL CAPAB	-MW	9203	14213	2068	2063	27552
RESERVES	-MW	1920	3182	714	609	6650
	%	26.36	28.85	52.73	41.74	31.82

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GENERATION EXPANSION PLAN 79R1(REV3)
PROPOSED BUDGET AND FORECAST PLAN (1980-1989)
(1990-2034 CONTINGENCY PLAN)
PEAK HOUR CAPABILITY, RESERVES, AND COMPOSITION OF CAPABILITY
(INCLUDING SEPA PREFERENCE CUSTOMER LOAD)
MW AND % OF LOAD

1982 CAPABILITY CHANGES:
GA SCHERER 1 808 MW FOSSIL

		ALABAMA	GEORGIA	GULF	MISS	SYSTEM
LOAD	-MW	7602	11395	1397	1516	21679
NUCLEAR	-MW	1651	1542	0	0	3193
	%	17.94	10.27	0.00	0.00	11.26
FOSSIL	-MW	5497	10699	1990	1928	20114
	%	59.73	71.23	96.23	93.23	70.92
PEAKING:						
COMB TURB	-MW	87	974	31	62	1154
	%	0.95	6.48	1.50	3.00	4.07
HYDRO	-MW	1400	800	0	0	2200
	%	15.21	5.33	0.00	0.00	7.76
SEPA HYDRO	-MW	310	931	38	69	1348
	%	3.37	6.20	1.84	3.34	4.75
TOTAL	-MW	1797	2705	69	131	4702
	%	19.53	18.01	3.34	6.33	16.58
OTHER:						
INTERUP LD	-MW	211	0	0	0	211
AEC	-MW	0	0	0	0	0
SMEPA	-MW	0	0	0	0	0
TVA	-MW	47	75	9	9	140
SAVANNAH	-MW	0	0	0	0	0
SCE&G	-MW	0	0	0	0	0
FPC	-MW	0	0	0	0	0
MSU	-MW	0	0	0	0	0
CRISP CTY	-MW	0	0	0	0	0
MISC	-MW	0	0	0	0	0
TOTAL	-MW	258	75	9	9	351
	%	2.80	0.50	0.44	0.44	1.24
TOTAL CAPAB	-MW	9203	15021	2068	2068	28360
RESERVES	-MW	1601	3626	671	552	6681
	%	21.06	31.82	48.03	36.41	30.82

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GENERATION EXPANSION PLAN 79R1(REV3)
PROPOSED BUDGET AND FORECAST PLAN (1980-1989)
(1990-2004 CONTINGENCY PLAN)
PEAK HOUR CAPABILITY, RESERVES, AND COMPOSITION OF CAPABILITY
(INCLUDING SEPA PREFERENCE CUSTOMER LOAD)
MW AND % OF LOAD

1983 CAPABILITY CHANGES:

ALA	HARRIS DAM 1&2	117 MW	HYDRO	
ALA	MILLER 2	654 MW	FOSSIL	

		ALABAMA	GEORGIA	GULF	MISS	SYSTEM
LOAD	-MW	7936	12120	1449	1570	22838
NUCLEAR	-MW	1651	1542	0	0	3193
	%	16.55	10.27	0.00	0.00	10.96
FOSSIL	-MW	6151	10699	1990	1928	20768
	%	61.67	71.23	96.23	93.23	71.29
PEAKING:						
COMB TURB	-MW	87	974	31	62	1154
	%	0.87	6.48	1.50	3.00	3.96
HYDRO	-MW	1517	800	0	0	2317
	%	15.21	5.33	0.00	0.00	7.95
SEPA HYDRO	-MW	310	931	38	69	1348
	%	3.11	6.20	1.84	3.34	4.63
TOTAL	-MW	1914	2705	69	131	4819
	%	19.19	18.01	3.34	6.33	16.54
OTHER:						
INTERUP LD	-MW	211	0	0	0	211
AEC	-MW	0	0	0	0	0
SMEPA	-MW	0	0	0	0	0
TVA	-MW	47	75	9	9	140
SAVANNAH	-MW	0	0	0	0	0
SCE&G	-MW	0	0	0	0	0
FPC	-MW	0	0	0	0	0
MSU	-MW	0	0	0	0	0
CRISP CTY	-MW	0	0	0	0	0
MISC	-MW	0	0	0	0	0
TOTAL	-MW	258	75	9	9	351
	%	2.59	0.50	0.44	0.44	1.20
TOTAL CAPAB	-MW	9974	15021	2068	2068	29131
RESERVES	-MW	2038	2901	619	498	6293
	%	25.68	23.94	42.72	31.72	27.55

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GENERATION EXPANSION PLAN 79R1(REV3)
PROPOSED BUDGET AND FORECAST PLAN (1980-1989)
(1990-2004 CONTINGENCY PLAN)
PEAK HOUR CAPABILITY, RESERVES, AND COMPOSITION OF CAPABILITY
(INCLUDING SEPA PREFERENCE CUSTOMER LOAD)
MW AND % OF LOAD

1984 CAPABILITY CHANGES:

GA	ATKINSON 1 (RETIRE)	-55 MW	FOSSIL	
GA	SCHERER 2	808 MW	FOSSIL	

		ALABAMA	GEORGIA	GULF	MISS	SYSTEM
LOAD	-MW	8269	12847	1502	1628	24000
NUCLEAR	-MW	1651	1542	0	0	3193
	%	16.55	9.78	0.00	0.00	10.68
FOSSIL	-MW	6151	11452	1990	1928	21521
	%	61.67	72.60	96.23	93.23	72.02
PEAKING:						
COMB TURB	-MW	87	974	31	62	1154
	%	0.87	6.17	1.50	3.00	3.86
HYDRO	-MW	1517	800	0	0	2317
	%	15.21	5.07	0.00	0.00	7.75
SEPA HYDRO	-MW	310	931	38	69	1348
	%	3.11	5.90	1.84	3.34	4.51
TOTAL	-MW	1914	2705	69	131	4819
	%	19.19	17.15	3.34	6.33	16.13
OTHER:						
INTERUP LD	-MW	211	0	0	0	211
AEC	-MW	0	0	0	0	0
SMEPA	-MW	0	0	0	0	0
TVA	-MW	47	75	9	9	140
SAVANNAH	-MW	0	0	0	0	0
SCEGG	-MW	0	0	0	0	0
FPC	-MW	0	0	0	0	0
MSU	-MW	0	0	0	0	0
CRISP CTY	-MW	0	0	0	0	0
MISC	-MW	0	0	0	0	0
TOTAL	-MW	258	75	9	9	351
	%	2.59	0.48	0.44	0.44	1.17
TOTAL CAPAB	-MW	9974	15774	2068	2068	29884
RESERVES	-MW	1705	2927	566	440	5884
	%	20.62	22.78	37.68	27.03	24.52

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GENERATION EXPANSION PLAN 79R1(REV3) - With Voqtle Sale
PROPOSED BUDGET AND FORECAST PLAN (1980-1989)
(1990-2034 CONTINGENCY PLAN)
PEAK HOUR CAPABILITY, RESERVES, AND COMPOSITION OF CAPABILITY
(INCLUDING SEPA PREFERENCE CUSTOMER LOAD)
MW AND % OF LOAD

1985 CAPABILITY CHANGES:

ALA	MITCHELL DAM INCREASE	97 MW	HYDRO
ALA	MILLER 3	654 MW	FOSSIL
ALA	FARLEY 2 INCREASE	37 MW	NUCLEAR
ALA	DEMOPOLIS 1&2 (RETIRE)	-34 MW	COMB TURB
GA	RICHARD B. RUSSELL	150 MW	SEPA HYDRO
GA	VOGTLE 1	1150 MW	NUCLEAR
GA	Voqtle 1 Sale	-350	Nuclear

		ALABAMA	GEORGIA	GULF	MISS	SYSTEM	
LOAD	-MW	8607	13408	1557	1579	24900	
NUCLEAR	-MW	1683	2692 -350	0	0	4380	-350
	%	15.73	15.77	0.00	0.00	13.71	
FOSSIL	-MW	6825	11452	1990	1928	22175	
	%	63.43	67.07	96.23	93.23	69.43	
PEAKING:							
COMB TURB	-MW	53	974	31	62	1120	
	%	0.49	5.70	1.50	3.00	3.51	
HYDRO	-MW	1614	800	0	0	2414	
	%	15.04	4.69	0.00	0.00	7.56	
SEPA HYDRO	-MW	310	1081	38	69	1498	
	%	2.89	6.33	1.84	3.34	4.69	
TOTAL	-MW	1977	2855	69	131	5032	
	%	18.43	16.72	3.34	6.33	15.76	
OTHER:							
INTERUP LD	-MW	211	0	0	0	211	
AEC	-MW	0	0	0	0	0	
SMEPA	-MW	0	0	0	0	0	
TVA	-MW	47	75	9	9	140	
SAVANNAH	-MW	0	0	0	0	0	
SCE&G	-MW	0	0	0	0	0	
FPC	-MW	0	0	0	0	0	
MSU	-MW	0	0	0	0	0	
CRISP CTY	-MW	0	0	0	0	0	
MISC	-MW	0	0	0	0	0	
TOTAL	-MW	258	75	9	9	351	
	%	2.40	0.44	0.44	0.44	1.10	
TOTAL CAPAB	-MW	10728	17074	2068	2068	31938	
RESERVES	-MW	2121	3666	511	489	7038	
	%	24.64	27.34	32.82	30.97	28.27	

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Sale of 350 MW	16724		31588
of Voqtle 1	3316		6688
off System	24.73 %		26.86 %

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GENERATION EXPANSION PLAN 79R1(REV3) - With Voqtle Sale
PROPOSED BUDGET AND FORECAST PLAN (1980-1989)
(1990-2004 CONTINGENCY PLAN)
PEAK HOUR CAPABILITY, RESERVES, AND COMPOSITION OF CAPABILITY
(INCLUDING SEPA PREFERENCE CUSTOMER LOAD)
MW AND % OF LOAD

1986 CAPABILITY CHANGES:

ALA	GASTON A (RETIRE) (50%)	-8 MW	COMB TURB
GA	GASTON A (RETIRE) (50%)	-8 MW	COMB TURB
GA	BARTLETTS FERRY INC	100 MW	HYDRO
GULF	CRIST 1 (RETIRE)	-22 MW	FOSSIL
MISS	EATON 1 (RETIRE)	-24 MW	FOSSIL
MISS	WATSON A (RETIRE)	-31 MW	COMB TURB

		ALABAMA	GEORGIA	GULF	MISS	SYSTEM
LOAD	-MW	8939	13950	1614	1524	25769
NUCLEAR	-MW	1688	2692 -350	0	0	4380 -350
	%	15.75	15.68	0.00	0.00	13.71
FOSSIL	-MW	6805	11452	1968	1904	22129
	%	63.48	66.71	96.19	94.59	69.27
PEAKING:						
COMB TURB	-MW	45	966	31	31	1073
	%	0.42	5.63	1.52	1.54	3.36
HYDRO	-MW	1614	900	0	0	2514
	%	15.06	5.24	0.00	0.00	7.87
SEPA HYDRO	-MW	310	1081	38	69	1498
	%	2.89	6.30	1.86	3.43	4.69
TOTAL	-MW	1969	2947	69	100	5085
	%	18.37	17.17	3.37	4.97	15.92
OTHER:						
INTERUP LD	-MW	211	0	0	0	211
AEC	-MW	0	0	0	0	0
SMEPA	-MW	0	0	0	0	0
TVA	-MW	47	75	9	9	140
SAVANNAH	-MW	0	0	0	0	0
SCEGG	-MW	0	0	0	0	0
FPC	-MW	0	0	0	0	0
MSU	-MW	0	0	0	0	0
CRISP CTY	-MW	0	0	0	0	0
MISC	-MW	0	0	0	0	0
TOTAL	-MW	258	75	9	9	351
	%	2.41	0.44	0.44	0.45	1.10
TOTAL CAPAB	-MW	10720	17166	2046	2013	31945
RESERVES	-MW	1781	3216	432	489	6176
	%	19.92	23.05	26.77	32.09	23.97

10/18/79
16816
2866
20.54%
31595
5826
22.61 %

1475 148

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NOV 27 1979

GENERATION EXPANSION PLAN 79R1(REV3) -With Voqtle Sale
PROPOSED BUDGET AND FORECAST PLAN (1980-1989)
(1990-2004 CONTINGENCY PLAN)
PEAK HOUR CAPABILITY, RESERVES, AND COMPOSITION OF CAPABILITY
(INCLUDING SEPA PREFERENCE CUSTOMER LOAD)
MW AND % OF LOAD

1987 CAPABILITY CHANGES:

ALA	MILLER 4	654 MW	FOSSIL
ALA	GORGAS 5 (RETIRE)	-58 MW	FOSSIL
GA	ROCKY MTN 1-3	675 MW	HYDRO
GA	RICHARD B. RUSSELL (PSH)	150 MW	SEPA HYDRO
GA	ARKWRIGHT 1 (RETIRE)	-42 MW	FOSSIL
GA	ATKINSON 2 (RETIRE)	-57 MW	FOSSIL
GA	SCHERER 3 (50%)	404 MW	FOSSIL
GULF	SCHERER 3 (25%)	202 MW	FOSSIL
MISS	SCHERER 3 (25%)	202 MW	FOSSIL
MISS	SWEATT A (RETIRE)	-31 MW	COMB TURB

		ALABAMA	GEORGIA	GULF	MISS	SYSTEM
LOAD	-MW	9306	14649	1674	1576	26940
NUCLEAR	-MW	1683	2692 -350	0	0	4380 -350
	%	14.92	14.71	0.00	0.00	12.37
FOSSIL	-MW	7401	11757	2170	2106	23434
	%	65.43	64.26	96.53	96.43	68.83
PEAKING:						
COMB TURB	-MW	45	966	31	0	1042
	%	0.40	5.28	1.38	0.00	3.06
HYDRO	-MW	1614	1575	0	0	3189
	%	14.26	8.61	0.00	0.00	9.37
SEPA HYDRO	-MW	310	1231	38	69	1648
	%	2.74	6.73	1.69	3.16	4.84
TOTAL	-MW	1969	3772	69	69	5879
	%	17.40	20.62	3.07	3.16	17.27
OTHER:						
INTERUP LD	-MW	211	0	0	0	211
AEC	-MW	0	0	0	0	0
SMEPA	-MW	0	0	0	0	0
TVA	-MW	47	75	9	9	140
SAVANNAH	-MW	0	0	0	0	0
SCE&G	-MW	0	0	0	0	0
FPC	-MW	0	0	0	0	0
MSU	-MW	0	0	0	0	0
CRISP CTY	-MW	0	0	0	0	0
MISC	-MW	0	0	0	0	0
TOTAL	-MW	258	75	9	9	351
	%	2.28	0.41	0.40	0.41	1.03
TOTAL CAPAB	-MW	11316	18296	2248	2184	34044
RESERVES	-MW	2010	3647	574	608	7104
	%	21.60	24.90	34.29	38.58	26.37

17946
3297
22.51%

10/18/79
33694
6754
25.07%

1475 149

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GENERATION EXPANSION PLAN 79R1(REV3) - With Voqtle Sale
PROPOSED BUDGET AND FORECAST PLAN (1980-1989)
(1990-2004 CONTINGENCY PLAN)
PEAK HOUR CAPACILITY, RESERVES, AND COMPOSITION OF CAPABILITY
(INCLUDING SEPA PREFERENCE CUSTOMER LOAD)
MW AND % OF LOAD

1988 CAPABILITY CHANGES:

ALA	BARRY A&B (RETIRE)	-45 MW	COMB TURB
GA	VOGTLE 2	1150 MW	NUCLEAR
GA	ARKWRIGHT 2 (RETIRE)	-43 MW	FOSSIL
MISS	EATON 2 (RETIRE)	-26 MW	FOSSIL
MISS	STANDARD OIL 1&2 (RETIRE)	-31 MW	FOSSIL
GA	Voqtle 2 Sale	-350	Nuclear

		ALABAMA	GEORGIA	GULF	MISS	SYSTEM
LOAD	-MW	9680	15215	1735	1624	27980
NUCLEAR	-MW	1688	3842 - 700	0	0	5530 - 700
	%	14.98	19.80	0.00	0.00	15.78
FOSSIL	-MW	7401	11714	2170	2049	23334
	%	65.66	60.37	96.53	96.33	66.58
PEAKING:						
COMB TURB	-MW	0	966	31	0	997
	%	0.00	4.98	1.38	0.00	2.84
HYDRO	-MW	1614	1575	0	0	3189
	%	14.32	8.12	0.00	0.00	9.10
SEPA HYDRO	-MW	310	1231	38	69	1648
	%	2.75	6.34	1.69	3.24	4.70
TOTAL	-MW	1924	3772	69	69	5834
	%	17.07	19.44	3.07	3.24	16.65
OTHER:						
INTERUP LD	-MW	211	0	0	0	211
AEC	-MW	0	0	0	0	0
SMEPA	-MW	0	0	0	0	0
TVA	-MW	47	75	9	9	140
SAVANNAH	-MW	0	0	0	0	0
SCE&G	-MW	0	0	0	0	0
FPC	-MW	0	0	0	0	0
NSU	-MW	0	0	0	0	0
CRISP CTY	-MW	0	0	0	0	0
MISC	-MW	0	0	0	0	0
TOTAL	-MW	258	75	9	9	351
	%	2.29	0.39	0.40	0.42	1.00
TOTAL CAPAB	-MW	11271	19403	2248	2127	35049
RESERVES	-MW	1591	4188	513	503	7069
	%	16.44	27.53	29.57	30.97	25.26

10/18/79

Sale of 350MW 18703 34349
of Voqtle 2 3488 6369
Eff System 22.92% 22.76%

1475 150

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GENERATION EXPANSION PLAN 79R1(REV3) - With Voqtle Sale
PROPOSED BUDGET AND FORECAST PLAN (1980-1989)
(1990-2004 CONTINGENCY PLAN)
PEAK HOUR CAPABILITY, RESERVES, AND COMPOSITION OF CAPABILITY
(INCLUDING SEPA PREFERENCE CUSTOMER LOAD)
MW AND % OF LOAD

1979 CAPABILITY CHANGES:

GA	ARKWRIGHT 3&4 (RETIRE)	-87 MW	FOSSIL
GA	GOAT ROCK INC	67 MW	HYDRO
GA	MITCHELL 1&2 (RETIRE)	-41 MW	FOSSIL
GA	SCHERER 4 (50%)	404 MW	FOSSIL
GULF	SCHERER 4 (25%)	202 MW	FOSSIL
MISS	SCHERER 4 (25%)	262 MW	FOSSIL

		ALABAMA	GEORGIA	GULF	MISS	SYSTEM
LOAD	-MW	10054	15616	1799	1681	28868
NUCLEAR	-MW	1688	3842-700	0	0	5530-700
	%	14.98	19.46	0.00	0.00	15.45
FOSSIL	-MW	7401	11990	2372	2251	24014
	%	65.66	68.72	96.82	96.65	67.09
PEAKING:						
COMB TURB	-MW	0	966	31	0	997
	%	0.00	4.89	1.27	0.00	2.79
HYDRO	-MW	1614	1642	0	0	3256
	%	14.32	8.32	0.00	0.00	9.10
SEPA HYDRO	-MW	310	1231	38	69	1648
	%	2.75	6.23	1.55	2.96	4.60
TOTAL	-MW	1924	3839	69	69	5901
	%	17.07	19.44	2.82	2.96	16.49
OTHER:						
INTERUP LD	-MW	211	0	0	0	211
AEC	-MW	0	0	0	0	0
SMEPA	-MW	0	0	0	0	0
TVA	-MW	47	75	9	9	140
SAVANNAH	-MW	0	0	0	0	0
SCE&G	-MW	0	0	0	0	0
FPC	-MW	0	0	0	0	0
MSU	-MW	0	0	0	0	0
CRISP CTY	-MW	0	0	0	0	0
MISC	-MW	0	0	0	0	0
TOTAL	-MW	258	75	9	9	351
	%	2.29	0.38	0.37	0.39	0.98
TOTAL CAPAB	-MW	11271	19746	2459	2329	35796
RESERVES	-MW	1217	4130	651	648	6928
	%	12.10	26.45	36.19	38.55	24.00

10/18/79

19046
3430
21.96%

35096
6228
21.57%

1475 151

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GENERATION EXPANSION PLAN 79R1(REV3) - With Vogtle Sale
PROPOSED BUDGET AND FORECAST PLAN (1980-1989)
(1990-2004 CONTINGENCY PLAN)
PEAK HOUR CAPABILITY, RESERVES, AND COMPOSITION OF CAPABILITY
(INCLUDING SEPA PREFERENCE CUSTOMER LOAD)
MW AND % OF LOAD

1990 CAPABILITY CHANGES:

ALA	UNLOCATED 91	783 MW	FOSSIL
GA	ARKWRIGHT 5A&5B (RETIRE)	-26 MW	COMB TURB
GULF	CRIST 2 (RETIRE)	-20 MW	FOSSIL
MISS	EATON 3 (RETIRE)	-24 MW	FOSSIL

		ALABAMA	GEORGIA	GULF	MISS	SYSTEM
LOAD	-MW	10435	16183	1866	1742	29936
NUCLEAR	-MW	1688	3842 - 700	0	0	5530 - 700
	%	14.00	19.48	0.00	0.00	15.15
FOSSIL	-MW	8184	11990	2352	2227	24753
	%	67.89	60.80	96.79	96.62	67.80
PEAKING:						
COMB TURB	-MW	0	940	31	0	971
	%	0.00	4.77	1.28	0.00	2.66
HYDRO	-MW	1614	1642	0	0	3256
	%	13.39	8.33	0.00	0.00	8.92
SEPA HYDRO	-MW	310	1231	38	69	1648
	%	2.57	6.24	1.56	2.99	4.51
TOTAL	-MW	1924	3813	69	69	5875
	%	15.96	19.34	2.84	2.99	16.09
OTHER:						
INTERUP LD	-MW	211	0	0	0	211
AEC	-MW	0	0	0	0	0
SMEPA	-MW	0	0	0	0	0
TVA	-MW	47	75	9	9	140
SAVANNAH	-MW	0	0	0	0	0
SCE&G	-MW	0	0	0	0	0
FPC	-MW	0	0	0	0	0
MSU	-MW	0	0	0	0	0
CRISP CTY	-MW	0	0	0	0	0
MISC	-MW	0	0	0	0	0
TOTAL	-MW	258	75	9	9	351
	%	2.14	0.38	0.37	0.39	0.96
TOTAL CAPAB	-MW	12054	19720	2430	2305	36509
RESERVES	-MW	1619	3537	564	563	6573
	%	15.52	21.86	30.23	32.32	21.96

19040
2837
17.53%

10/18/79
35809
5873
19.62%

1475 152

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