



May 6, 1999

Ms. Blanca S. Bayó, Director
Division of Public Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399

Dear Ms. Bayó:

Attached are 25 copies of revised pages 43 through 46 for Seminole Electric Cooperative, Inc. 1999 Ten Year Site Plan.

The revisions reflect three additional Combustion Turbines (CT) as part of Seminole's "back stop" self-build plan. These CTs replace future unspecified purchases.

If you have any questions, please feel free to call me at (813)963-0994.

Sincerely,

Garl Zimmerman
Manager of System Planning

QT
encl

cc: R. Midulla
J. Duren
J. Welborn

- AFA _____
- APP _____
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Garl Zimmerman

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Recharging project, and monitors other solar energy research projects and the advances in fuel cell technology for possible inclusion in Seminole's future resource options.

Seminole has a FERC-filed qualifying facility program which complies with the requirements of the Public Utility Regulatory Policies Act (PURPA). Seminole does not currently have any qualifying facilities or small power producers on its system, but continues to solicit proposals from them when competitively bidding for power supplies. Also, Seminole evaluates all unsolicited QF proposals for applicability to the company's needs.

Schedules 7.1, 7.2 and 8 include the addition of a total of 1800 MW of CTs in 2000 through 2007 at unknown sites. Such capacity is needed to replace expiring purchased power contracts and/or to maintain Seminole's reliability criteria. The units are included for planning purposes only. Future studies will optimize the amount, type, and timing of such capacity. The exact type of capacity (CT, purchased power, phased combined cycle, etc.) and source or location will be determined later. Because these CTs are for planning purposes only, no Schedule 9 is included for these units. The addition of this 1800 MW of CT capacity, at sites to be determined by Seminole, is Seminole's "Backstop" expansion plan.

Revised 05/06/99

Schedule 7.1
Forecast of Capacity, Demand and Scheduled Maintenance at Time of Summer Peak

	Total Installed Capacity	Firm Capacity Import (Less PR/FR) ₁	Firm Capacity Import (PR/FR)	Firm Capacity Export	QF ₂	Total Capacity Available	Total Capacity Available Less PR/FR	System Firm Summer Peak Demand	System Firm Summer Obligation ₃	Reserve Margin Before Maintenance ₄		Scheduled Maintenance	Reserve Margin After Maintenance ₄		
	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(% of Pk)	(MW)	(MW)	(% of Pk)	
1999	1,291	929	346	0	298	2,864	2,518	2,458	2,112	406	19.2%	0	406	19.2%	
2000	1,291	1,169	262	0	298	3,020	2,758	2,548	2,286	472	20.6%	0	472	20.6%	
2001	1,591	1,179	207	0	298	3,275	3,068	2,633	2,426	642	26.5%	0	642	26.5%	
2002	2,079	574	260	0	298	3,211	2,951	2,719	2,459	492	20.0%	0	492	20.0%	
2003	2,679	279	158	0	298	3,414	3,256	2,807	2,649	607	22.9%	0	607	22.9%	
2004	2,979	150	78	0	298	3,505	3,427	2,895	2,817	610	21.7%	0	610	21.7%	
2005	3,129	150	84	0	298	3,661	3,577	2,985	2,901	676	23.3%	0	676	23.3%	
2006	3,279	150	79	0	298	3,806	3,727	3,078	2,999	728	24.3%	0	728	24.3%	
2007	3,429	150	78	0	298	3,955	3,877	3,171	3,093	784	25.3%	0	784	25.3%	
2008	3,579	150	75	0	298	4,102	4,027	3,267	3,192	835	26.2%	0	835	26.2%	
1	Firm capacity includes partial requirements (PR) and full requirements (FR) purchases and purchases from other supplier.														
2	The capacity shown under QF represents a contract with TECO Power Services for first-call capacity from the Hardee Power Station to backup 1240 MW of generation from Seminole Units 1 and 2 and CR#3.														
3	Seminole's firm obligation demand does not include PR and FR purchases.														
4	Percent reserves are calculated on Seminole's obligation since Seminole is not responsible for supplying reserves for FR and PR purchases.														

Revised 05/06/99

Schedule 7.2

Forecast of Capacity, Demand and Scheduled Maintenance at Time of Winter Peak

	Total Installed Capacity	Firm Capacity Import (Less PR/FR) ₁	Firm Capacity Import (PR/FR)	Firm Capacity Export	QF ₂	Total Capacity Available	Total Capacity Available Less PR/FR	System Firm Winter Peak Demand	System Firm Winter Obligation ₃	Reserve Margin Before Maintenance ₄		Scheduled Maintenance	Reserve Margin After Maintenance ₄		
	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(% of Pk)	(MW)	(MW)	(% of Pk)	
1999	1,345	1,142	733	0	362	3,582	2,849	3,085	2,352	497	21.1%	0	497	21.1%	
2000	1,345	1,324	668	0	362	3,699	3,031	3,198	2,530	501	19.8%	0	501	19.8%	
2001	1,645	1,236	625	0	362	3,868	3,243	3,306	2,681	562	21.0%	0	562	21.0%	
2002	2,217	769	687	0	362	4,035	3,348	3,414	2,727	621	22.8%	0	621	22.8%	
2003	2,817	300	582	0	362	4,061	3,479	3,525	2,943	536	18.2%	0	536	18.2%	
2004	3,117	300	523	0	362	4,302	3,779	3,639	3,116	663	21.3%	0	663	21.3%	
2005	3,267	162	534	0	362	4,325	3,791	3,751	3,217	574	17.8%	0	574	17.8%	
2006	3,417	162	540	0	362	4,481	3,941	3,868	3,328	613	18.4%	0	613	18.4%	
2007	3,567	162	551	0	362	4,642	4,091	3,986	3,435	656	19.1%	0	656	19.1%	
2008	3,717	162	559	0	362	4,800	4,241	4,108	3,549	692	19.5%	0	692	19.5%	
1	Firm capacity includes partial requirements (PR) and full requirements (FR) purchases and purchases from other supplier.														
2	The capacity shown under QF represents a contract with TECO Power Services for first-call capacity from the Hardee Power Station to backup 1240 MW of generation from Seminole Units 1 and 2 and CR#3.														
3	Seminole's firm obligation demand does not include PR and FR purchases.														
4	Percent reserves are calculated on Seminole's obligation since Seminole is not responsible for supplying reserves for FR and PR purchases.														

Revised 05/06/99

Schedule 8

Planned and Prospective Generating Facility Additions and Changes

Plant Name	Unit No.	Location	Unit Type	Fuel		Fuel Transport		Construction Start Mo/Yr	Comm'l In-Service Mo/Yr	Expected Retirement Mo/Yr	Maximum Nameplate (kW)	Summer (MW)	Winter (MW)	Status
				Pri	Alt	Pri	Alt							
Payne Creek Gen. Station	3	Hardee County S1,T33S, R24E	CC	NG	FO2	P1	Tk	01/2000	1/2002	Unk	587,000	488	572	T
Unk	1	Unk	GT	NG	FO2	P1	Tk	01/1999	11/2000	Unk	180	150	150	P
	2	Unk	GT	NG	FO2	P1	Tk	01/1999	11/2000	Unk	180	150	150	P
	3	Unk	GT	NG	FO2	P1	Tk	01/2001	11/2002	Unk	180	150	150	P
	4	Unk	GT	NG	FO2	P1	Tk	01/2001	11/2002	Unk	180	150	150	P
	5	Unk	GT	NG	FO2	P1	Tk	01/2001	11/2002	Unk	180	150	150	P
	6	Unk	GT	NG	FO2	P1	Tk	01/2001	11/2002	Unk	180	150	150	P
	7	Unk	GT	NG	FO2	P1	Tk	01/2002	11/2003	Unk	180	150	150	P
	8	Unk	GT	NG	FO2	P1	Tk	01/2002	11/2003	Unk	180	150	150	P
	9	Unk	GT	NG	FO2	P1	Tk	01/2003	11/2004	Unk	180	150	150	P
	10	Unk	GT	NG	FO2	P1	Tk	01/2004	11/2005	Unk	180	150	150	P
	11	Unk	GT	NG	FO2	P1	Tk	01/2005	11/2006	Unk	180	150	150	P
	12	Unk	GT	NG	FO2	P1	Tk	01/2006	11/2007	Unk	180	150	150	P
Total												2,288	2,372	

Notes: Payne Creek Generating Station capacity will replace purchased capacity beginning 1/1/2002 and is being counted for reserve purposes in 2002.

Unk: Unknown

T: Regulatory approval received. Not under construction.

P: Planned, but not authorized by utility.

Revised 05/06/99