

Steel Hector & Davis

Tallahassee, Florida

Matthew M. Childs, P.A.
(904) 222-4448

October 30, 1990

**ORIGINAL
FILE COPY**

Mr. Steve Tribble
Division of Records and Reporting
Florida Public Service Commission
101 East Gaines Street
Tallahassee, FL 32399

RE: DOCKET NO. 900004-EU

Dear Mr. Tribble:

Enclosed for filing please find the original and fifteen copies of Florida Power & Light Company's Interconnection Agreement (Tariff Sheets 9.800-9.804/Legislative format with changes), Standard Offer Contract (Tariff Sheets 9.850-9.860/Legislative format with changes), Standard Rate COG-1 (Tariff Sheets 10.100-10.105/Legislative format), Standard Rate COG-2 (Tariff Sheets 10.200-10.212/Legislative format changes) for the above referenced docket.

Also enclosed please find the Executive Summary, Form Index, Forms 1.1-9.3 and System Map. Please note that some changes are not in Legislative format because of the extensive nature of changes.

DOCUMENT NUMBER-DATE
9753 OCT 30 1990

EPSC-RECORDS/REPORTING

- ACK
- AFA _____
- APP _____
- CAF _____
- CMU _____
- CTR _____
- EAG _____
- LEG / MMC/eg
- LIN
- OPC _____
- RCH _____
- SEC
- WAS _____
- OTH _____

Respectfully submitted,

Matthew M. Childs, P.A.

DOCUMENT NUMBER-DATE
9753 OCT 30 1990

EPSC-RECORDS/REPORTING

cc: All Parties of Record (w/encl)

RECEIVED & FILED
198
EPSC-BUREAU OF RECORDS

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440 Royal Palm Way
Palm Beach, FL 33480
(305) 650-7200

1200 North Federal Highway
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CERTIFICATE OF SERVICE
DOCKET NO. 900004-EU

I HEREBY CERTIFY that a true and correct copy of Florida Power & Light Company's Interconnection Agreement (Tariff Sheets 9.800-9.804), Standard Offer Contract (Tariff Sheets 9.850-9.860), Standard Rate COG-1 (Tariff Sheets 10.100-10.105) Standard Rate COG-2 (Tariff Sheets 10.200-10.212), Executive Summary, Forms Index, Forms 1.1-9.3 and System Map have been furnished to the following individuals by Hand Delivery or U. S. Mail on this 30th day of October, 1990.

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Matthew M. Childs, P.A.

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**ORIGINAL
FILE COPY**

**BEFORE THE FLORIDA
PUBLIC SERVICE COMMISSION**

DOCKET NO. 900004-EU

FLORIDA POWER & LIGHT COMPANY

**IN RE: ANNUAL HEARINGS ON LOAD FORECASTS,
GENERATION EXPANSION PLANS
AND
COGENERATION PRICES**

OCTOBER 30, 1990

DOCUMENT NUMBER-DATE

69753 OCT 30 1990

FPSC-RECORDS/REPORTING

Executive Summary

FPL's determination of capacity needs results from its on-going power supply planning process. The objective of this process is to provide adequate resources to reliably meet our customers' future demand for electric power in a cost effective manner. The level of resources needed is a function of forecasts and assumptions. One of the major parameters that drives the need for additional capacity is the summer peak load forecast.

FPL has experienced an average compound annual growth in summer peak demand of approximately 4.9% for the period of 1978-1989. That demand is projected to continue to grow at a rate of approximately 2.2% per year over the next two decades. At the same time, power purchases from the Southern Companies are projected to decline to an annual average of 913 MW in the mid-1990's down from the current level of 2,000 MW.

FPL's reliability analysis shows that in order to meet its dual reliability targets of less than .1 days/year LOLP and minimum generation reserves of 15% based on summer peak demand, FPL would require additional capacity resources beginning in 1996.

FPL studies have shown that this capacity can best be supplied through a balanced combination of FPL constructed generating capacity and other non-construction alternatives. These studies have identified a need to add approximately 3,000 MW of new generating capacity between 1996 and 1999. These additions reflect the need for new generating capacity that remains after implementation of all reasonably available cost effective alternatives to new construction. The other cost effective alternatives include load management and interruptible load (1,007 MW), firm purchases from Qualifying Facilities (QFs) (1,207 MW) and power purchases from the Southern Companies (913 MW).

A detailed tabulation of FPL's power supply expansion plan incorporating projected load growth, existing resources and planned unit additions is shown as the base plan (Table No. 1). It reflects the acquisition of the Scherer Unit No. 4 from the Southern Companies, the repowering of the Lauderdale Unit Nos. 4 and 5 in 1993, the addition of the Martin Combined Cycle Units in 1994 and 1995 and the Martin Coal Gasification Combined Cycle (GCC) Unit Nos. 4 and 5 in 1998. It should be noted that the purchase of the Scherer unit meets the 1996 need.

Table No. 2, referred to as Sensitivity No. 1, is similar to the Base Case except that planned, non-contracted QFs totalling 195 MW in 1997 are removed from the plan. This has the effect of accelerating the need for phasing in the Martin Unit Nos. 5 and 6 in 1997. The need for power in 1997 in Sensitivity No. 1 has resulted in identification of GCC capacity as FPL's avoided cost for cogeneration pricing purposes. To meet its 1997 need, FPL is reserving 125 MW of the needed capacity for the QFs less than 75 MW and the solid waste facilities. The 125 MW reflects what FPL forecasts will be contracted for under a Standard Offer Contract. This 125 MW will be reviewed and adjusted if any of these type facilities negotiate a contract with FPL, or if more than 125 MW is necessary under the Standard Offer Contract.

The base plan as shown in Table No. 1 was found to be the optimum power supply expansion plan. The unit additions in this plan provide a flexible, cost effective approach to meeting the future need of FPL customers. In combination with other demand and supply side alternatives discussed previously, this plan represents significant savings compared to a plan based on new construction, alone.

Summary Of Base Case Expansion Plan (With Planned Qualifying Facilities)						
Units Added	Unit Size (MW)	Total Availability Capacity (MW)	Forecast Summer Peak Load (MW)	Load Mgt. (MW)	Reserve Margin (%)	
1991 Scherer Unit No. 4	150	16,373	13,815	426	21.6	
1992 —	—	16,736	14,180	611	22.3	
1993 Riviera No. 2 Reactivated	69	16,872	14,387	695	22.1	
Scherer Unit No. 4	266					
Ft. Lauderdale No. 4 Repowering	286					
Ft. Lauderdale No. 5 Repowering	286					
1994 Scherer Unit No. 4	140	17,293	14,694	776	23.0	
Martin Combined Cycle No. 3	400					
1995 Scherer Unit No. 4	90	17,773	15,118	858	23.2	
Martin Combined Cycle No. 4	400					
1996 —		18,085	15,390	954	23.7	
1997 —		18,098	15,694	1,003	21.7	
1998 Coal Gasification Martin Combined Cycle No. 5	454	19,067	16,019	1,007	25.3	
Coal Gasification Martin Combined Cycle No. 6	453					
1999 —		19,110	16,262	1,007	23.7	

Table 1

**Summary Of Sensitivity No. 1 Expansion Plan
(Without Non-Contracted Planned Qualifying Facilities)**

<i>Units Added</i>	<i>Unit Size (MW)</i>	<i>Total Availability Capacity (MW)</i>	<i>Forecast Summer Peak Load (MW)</i>	<i>Load Mgt. (MW)</i>	<i>Reserve Margin (%)</i>
1991 Scherer Unit No. 4	150	16,373	13,815	426	21.6
1992 —	—	16,676	14,181	611	21.9
1993 Riviera No. 2 Reactivated	69	16,762	14,388	695	21.3
Scherer Unit No. 4	266				
Ft. Lauderdale No. 4 Repowering	266				
Ft. Lauderdale No. 5 Repowering	266				
1994 Scherer Unit No. 4	140	17,154	14,754	776	21.5
Martin Combined Cycle No. 3	400				
1995 Scherer Unit No. 4	90	17,603	15,051	858	22.7
Martin Combined Cycle No. 4	400				
1996 —		17,903	15,467	954	21.9
1997 Two Combustion Turbines for Phased Construction of Coal Gasification Martin Combined Cycle Unit	272	18,175	15,771	1,003	21.6
1998 Balance of Coal Gasification Martin Combined Cycle Unit	635	18,810	16,096	1,007	23.1
1999 —		18,810	16,339	1,007	21.3

Table 2

Annual Planning Meeting
Forms Index

Description	Form Number	Page Number
N&F Summer Peak, Winter Peak and NEL (Base Case)	1.1	1 of 2
N&F Summer Peak, Winter Peak and NEL (No Planned or Proposed QF Scenario)	1.1	2 of 2
Fuel Forecast - Base Oil and Gas Prices	1.2	1 of 3
Fuel Forecast - Coal Prices	1.2	2 of 3
Fuel Forecast - Nuclear Base	1.2	3 of 3
Economic Assumptions (Base Case and Sensitivity 1)	1.3	1 of 2
Economic Escalation Assumptions (Base Case and Sensitivity 1)	1.3	2 of 2
"Avoided Unit" (Sensitivity 1)	1.4	1 of 1
Proposed Unit Additions (Base Case)	1.5	1 of 1
Summary of New Unit Additions (Base Case)	2.1	1 of 2
Summary of New Unit Additions (Sensitivity 1)	2.1	2 of 2
Summary of Cap., Demand & Res. Marg. - SP (Base Case)	2.2A	1 of 2
Summary of Cap., Demand & Res. Marg. - SP (Sensitivity 1)	2.2A	2 of 2
Summary of Cap., Demand & Res. Marg. - WP (Base Case)	2.2B	1 of 2
Summary of Cap., Demand & Res. Marg. - WP (Sensitivity 1)	2.2B	2 of 2
Financial Assumptions - Dev. of K Factor (Sensitivity 1)	3.1	1 of 1
Fixed Charge Calc. for Dev. of K Factor (Sensitivity 1)	3.2	1 of 1
Definitions	4.3	1 of 3
Abbreviations	4.3	2 of 3
Abbreviations	4.3	3 of 3
PR and FR Purchasing Utility - SP Demand	5.5	1 of 3
PR and FR Purchasing Utility - WP Demand	5.5	2 of 3
PR and FR Supplying Utility - Net Energy	5.5	3 of 3
Existing Generating Facilities	6.2	1 of 4
Existing Generating Facilities	6.2	2 of 4
Existing Generating Facilities	6.2	3 of 4
Existing Generating Facilities	6.2	4 of 4
Plan. and Prop. Gen. Fac. Adds & Changes (Base Case)	6.3	1 of 2
Plan. and Prop. Gen. Fac. Adds & Changes (Sensitivity 1)	6.3	2 of 2

**Annual Planning Hearing
Forms Index**

Description	Form Number	Page Number
Existing Qualifying Facilities - Gen. Info.	6.4	1 of 2
Existing Qualifying Facilities - Summer + Winter	6.4	2 of 2
Plan. & Prop. Qualifying Facilities - Gen. Info. (Part 1 of 2)	6.5	1 of 2
Plan. & Prop. Qualifying Facilities - Gen. Info. (Part 1 of 2)	6.5	2 of 2
Plan. & Prop. Qualifying Facilities - Summer + Winter (Part 2 of 2)	6.5	1 of 2
Plan. & Prop. Qualifying Facilities - Summer + Winter (Part 2 of 2)	6.5	2 of 2
Plan. & Proposed Qualifying Facilities (Part 1 of 2)	6.5A	1 of 2
Plan. & Prop. Qualifying Facilities - Summer + Winter (Part 2 of 2)	6.5A	2 of 2
Sum. - Firm Energy and Cap. Contracts with QFs	6.6	1 of 1
Ris. and Projected Net to Grid from QF	6.7	1 of 1
Sum. - Scheduled Interchange Contracts	6.8	1 of 1
Scheduled Interchange (Out of State Contracts)	6.9	1 of 1
N&P: Inter. and Gen. by Fuel Type - GWH (Base Case)	7.1	1 of 2
N&P: Inter. and Gen. by Fuel Type - GWH (Sensitivity 1)	7.1	2 of 2
N&P: Inter. & Gen. by Fuel Type - % of GWH (Base Case)	7.2	1 of 2
N&P: Inter. & Gen. by Fuel Type - % of GWH (Sensitivity 1)	7.2	2 of 2
N&P: Fuel Requirements (Base Case)	7.3	1 of 2
N&P: Fuel Requirements (Sensitivity 1)	7.3	2 of 2
Certified and Proposed Bulk Power Lines	9.3	1 of 1
FPL Transmission System Map		1 of 1

HISTORICAL FORECAST
AS OF OCTOBER 1, 1989
BASE (MOST PROBABLE) LOAD FORECAST

(1) YEAR	(2) INTER- SUMMER PEAK DEMAND - (MW)			(3) INTER- WINTER PEAK DEMAND - (MW)			(8) TOTAL (MW)	(9) LOAD MANAGEMENT (MW)	(10) LOAD MANAGEMENT (MW)	(11) NET DEMAND (MW)	(12) NET DEMAND (MW)	(13) YEAR	(14) NET ENERGY FOR LOAD (MMWH)	(15) LOAD FACTOR (%)
	(5) TOTAL (MW)	(6) LOAD MANAGEMENT (MW)	(7) NET DEMAND (MW)	(4) LOAD MANAGEMENT (MW)	(10) LOAD MANAGEMENT (MW)	(11) NET DEMAND (MW)								
1978	8,345	0	8,345	0	0	8,345	0	0	NA	8,345	1978	45708	58.8%	
1979	8,600	0	8,600	0	0	8,600	0	0	NA	8,600	1979	45942	58.8%	
1980	9,823	0	9,823	0	0	9,823	0	0	NA	9,823	1980	48450	57.3%	
1981	8,738	0	8,738	0	0	8,738	0	0	NA	8,738	1981	50223	58.8%	
1982	9,585	0	9,585	0	0	9,585	0	0	NA	9,585	1982	51022	53.7%	
1983	10,878	0	10,878	0	0	10,878	0	0	NA	10,878	1983	52050	54.8%	
1984	10,276	0	10,276	0	0	10,276	0	0	NA	10,276	1984	53149	53.8%	
1985	10,854	0	10,854	0	0	10,854	0	0	NA	10,854	1985	53988	50.0%	
1986	11,022	0	11,022	0	0	11,022	0	0	NA	11,022	1986	53285	53.1%	
1987	12,304	0	12,304	0	0	12,304	0	0	NA	12,304	1987	51918	56.8%	
1988	12,382	0	12,382	0	0	12,382	0	0	NA	12,382	1988	54718	56.8%	
1989	13,425	0	13,425	0	0	13,425	0	0	NA	13,425	1989	58660	59.8%	
78-89 AAGR	4.0%					4.1%					78-89 AAGR	4.5%		
1990	13,466	100	13,566	78	35	13,512	78	35	13,212	13,512	1990	71713	61.0%	
1991	13,850	240	14,090	149	35	14,239	149	35	13,890	14,239	1991	74244	61.3%	
1992	14,217	338	14,555	231	37	14,886	240	37	14,646	14,886	1992	76749	61.0%	
1993	14,424	335	14,759	315	37	15,074	335	37	14,739	15,074	1993	79688	62.4%	
1994	14,789	338	15,127	408	35	15,535	338	35	15,200	15,535	1994	80245	62.3%	
1995	15,213	335	15,548	512	35	16,060	335	35	15,725	16,060	1995	81823	61.8%	
1996	15,485	335	15,820	619	105	16,434	335	105	16,100	16,434	1996	83310	61.8%	
1997	15,798	335	16,133	679	105	16,743	335	105	16,408	16,743	1997	84942	61.8%	
88-87 AAGR	1.0%					1.6%					88-87 AAGR	1.7%		
1998	16,124	335	16,459	662	105	16,821	335	105	16,486	16,821	1998	86798	61.8%	
1999	16,367	335	16,702	668	105	17,067	335	105	16,732	17,067	1999	88008	62.8%	
2000	16,809	335	17,144	671	109	17,515	335	109	17,180	17,515	2000	91025	62.1%	
2001	17,170	335	17,505	671	109	17,876	335	109	17,541	17,876	2001	93364	62.8%	
2002	17,515	335	17,850	668	109	18,215	335	109	17,880	18,215	2002	95029	62.7%	
2003	17,870	335	18,205	662	109	18,567	335	109	18,202	18,567	2003	96300	63.0%	
2004	18,208	335	18,543	662	109	18,905	335	109	18,570	18,905	2004	100828	63.1%	
2005	18,557	335	18,892	662	109	19,244	335	109	18,909	19,244	2005	103298	63.8%	
2006	19,055	335	19,390	662	108	19,692	335	108	19,357	19,692	2006	106898	63.8%	
2007	19,461	335	19,796	662	109	20,148	335	109	19,813	20,148	2007	108729	64.1%	
2008	19,852	335	20,187	662	109	20,549	335	109	20,214	20,549	2008	111865	64.3%	
2009	20,348	335	20,683	652	109	21,035	335	109	20,700	21,035	2009	114711	64.7%	
98-09 AAGR	2.1%					2.3%					98-09 AAGR	2.6%		
88-09 AAGR	2.2%					1.9%					88-09 AAGR	2.6%		

NOTES: COLUMN (2) = SUM (3) THROUGH (8). COLUMN (9) = SUM (9) THROUGH (12).
COLUMN (8) & (11), SELF-SERVICE GENERATION, ARE OF LOAD SERVED BY OF GENERATION.
NA - NOT AVAILABLE (NO HISTORICAL DATA AVAILABLE ON ACTUAL OF SELF-SERVED LOAD).
** ACTUAL WINTER PEAK, NOT FORECASTED

UTILITY: FLORIDA POWER & LIGHT COMPANY

HISTORY AND FORECAST
AS OF OCTOBER 1, 1988
SENSITIVITY 1 LOAD FORECAST

INDIVIDUAL UTILITY FORM 1.1
PAGE 2 OF 2

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
YEAR	TOTAL (MW)	SUMMER PEAK DEMAND - (MW)	INTER- SUPPLIABLE LOAD (MW)	LOAD MANAGEMENT OF LOAD (MW)	NET DEMAND (MW)	YEAR	TOTAL (MW)	INTER- SUPPLIABLE LOAD (MW)	LOAD MANAGEMENT (MW)	NET DEMAND (MW)	YEAR	NET ENERGY FOR LOAD (MWH)	LOAD FACTOR (%)	
1975	8,345	0	0	NA	8,345	1977 / 78	8,617	0	0	NA	1979	43795	88.8%	
1976	8,650	0	0	NA	8,650	1978 / 79	8,791	0	0	NA	1979	45242	89.8%	
1977	8,823	0	0	NA	8,823	1979 / 80	9,732	0	0	NA	1980	48460	87.3%	
1978	9,728	0	0	NA	9,728	1980 / 81	10,728	0	0	NA	1981	50532	83.7%	
1979	9,993	0	0	NA	9,993	1981 / 82	10,919	0	0	NA	1982	50532	84.9%	
1980	10,678	0	0	NA	10,678	1982 / 83	9,389	0	0	NA	1983	52200	88.8%	
1981	10,270	0	0	NA	10,270	1983 / 84	10,264	0	0	NA	1984	51749	88.8%	
1982	10,854	0	0	NA	10,854	1984 / 85	12,113	0	0	NA	1985	53008	83.1%	
1983	11,027	0	0	NA	11,022	1985 / 86	12,109	0	0	NA	1986	53236	88.8%	
1984	12,364	0	0	NA	12,360	1986 / 87	10,779	0	0	NA	1987	54716	88.8%	
1985	12,362	0	0	NA	12,362	1987 / 88	12,372	0	0	NA	1988	54716	88.8%	
1986	13,425	0	0	NA	13,425	1988 / 89	12,878	0	0	NA	1989	59585	88.8%	
75-89 AAGR	4.9%					75-89 AAGR	4.1%				75-89 AAGR	4.8%		
1990	13,455	130	78	36	13,212	1989 / 90	13,968	0	0	NA	1990	71715	80.8%	
1991	13,850	240	140	36	13,420	1990 / 91	14,188	130	69	56	1991	74264	81.2%	
1992	14,216	305	231	36	13,613	1991 / 92	14,807	240	132	65	1992	76755	81.8%	
1993	14,423	335	315	36	13,727	1992 / 93	15,201	335	205	67	1993	79655	82.3%	
1994	14,720	335	405	36	13,951	1993 / 94	15,832	335	279	6	1994	80085	82.8%	
1995	15,154	335	512	36	14,271	1994 / 95	15,115	335	362	67	1995	82419	82.1%	
1996	15,418	335	619	36	14,438	1995 / 96	16,581	335	454	47	1996	83857	81.9%	
1997	15,720	335	678	36	14,600	1996 / 97	17,062	335	648	47	1997	85489	82.1%	
85-97 AAGR	1.6%					85-97 AAGR	1.9%				85-97 AAGR	1.8%		
1998	16,045	335	682	28	15,001	1997 / 98	17,542	335	802	47	1998	87313	82.1%	
1999	16,265	335	686	28	15,266	1998 / 99	18,023	335	805	47	1999	89615	82.7%	
2000	16,722	335	671	22	15,660	1999 / 0	18,498	335	805	43	2000	91987	82.4%	
2001	17,053	335	597	22	16,218	2000 / 1	18,988	335	579	47	2001	93936	82.8%	
2002	17,428	335	659	22	16,484	2001 / 2	19,484	335	605	47	2002	96201	83.0%	
2003	17,783	335	682	22	16,743	2002 / 3	20,009	335	598	47	2003	98572	83.3%	
2004	18,152	335	682	22	17,142	2003 / 4	20,532	335	599	47	2004	103940	83.4%	
2005	18,470	335	682	22	17,430	2004 / 5	21,069	335	549	47	2005	107186	84.2%	
2006	18,969	335	682	22	17,929	2005 / 6	21,613	335	640	47	2006	109438	84.1%	
2007	19,374	335	682	22	18,334	2006 / 7	22,165	335	541	47	2007	110201	84.4%	
2008	19,795	335	682	22	18,755	2007 / 8	22,724	335	525	47	2008	112237	84.5%	
2009	20,262	335	682	22	19,222	2008 / 9	23,320	335	575	47	2009	115283	84.9%	
86-99 AAGR	2.2%					86-99 AAGR	2.8%				86-99 AAGR	2.6%		
89-99 AAGR	2.2%					89-99 AAGR	3.2%				89-99 AAGR	2.7%		

NOTES: COLUMN (7) = SUM (3) THROUGH (6). COLUMN (8) = SUM (9) THROUGH (12).
COLUMN (9) & (11). SELF-SERVICE GENERATION, APE OF LOAD SERVED BY OF GENERATION.
NA - NOT AVAILABLE (NO HISTORICAL DATA AVAILABLE ON ACTUAL OF SELF-SERVED LOAD).
** ACTUAL WINTER PEAK, NOT FORECASTED

UTILITY: FLORIDA POWER AND LIGHT COMPANY

INDIVIDUAL UTILITY FORM 1.2

PAGE 1 OF 3

FUELS FORECAST (1990 - 2019)
 (AVERAGE 1990 BASE PRICE AS OF APRIL 25, 1990)
 BASE CASE OIL AND GAS PRICES

YEAR	RESIDUAL OIL (BY SULFUR CONTENT)												NATURAL GAS	
	0.7%			1.0%			1.5%			DISTILLATE			\$/MMBTU	ESCALATION %
	\$/BBL	\$/MMBTU	ESCALATION %	\$/BBL	\$/MMBTU	ESCALATION %	\$/BBL	\$/MMBTU	ESCALATION %	\$/BBL	\$/MMBTU	ESCALATION %		
1990	\$17.93	\$2.81		\$17.19	\$2.70		\$16.39	\$2.58		\$22.70	\$3.89		\$2.40	
1991	\$19.52	\$3.06	8.87%	\$18.71	\$2.94	8.84%	\$17.82	\$2.81	8.72%	\$24.73	\$4.24	8.94%	\$2.72	13.33%
1992	\$22.85	\$3.59	17.06%	\$21.89	\$3.44	17.00%	\$20.80	\$3.28	16.72%	\$28.98	\$4.97	17.19%	\$3.11	14.34%
1993	\$26.48	\$4.16	15.89%	\$25.36	\$3.99	15.85%	\$24.07	\$3.79	15.72%	\$33.62	\$5.77	16.01%	\$3.63	16.72%
1994	\$30.44	\$4.78	14.95%	\$29.14	\$4.58	14.91%	\$27.61	\$4.35	14.71%	\$38.67	\$6.63	15.02%	\$4.17	14.88%
1995	\$34.58	\$5.43	13.60%	\$33.10	\$5.20	13.59%	\$31.31	\$4.93	13.40%	\$43.95	\$7.54	13.65%	\$4.74	13.67%
1996	\$39.46	\$6.20	14.11%	\$37.77	\$5.94	14.11%	\$34.92	\$5.50	11.53%	\$50.30	\$8.63	14.45%	\$5.44	14.77%
1997	\$43.80	\$6.88	11.00%	\$41.91	\$6.59	10.96%	\$38.73	\$6.10	10.91%	\$55.87	\$9.58	11.07%	\$6.02	10.66%
1998	\$48.13	\$7.56	9.89%	\$46.04	\$7.24	9.85%	\$42.52	\$6.70	9.79%	\$61.43	\$10.54	9.95%	\$6.55	8.80%
1999	\$52.42	\$8.23	8.91%	\$50.14	\$7.88	8.91%	\$46.26	\$7.29	8.80%	\$66.94	\$11.48	8.97%	\$6.98	6.56%
2000	\$56.70	\$8.90	8.16%	\$54.23	\$8.53	8.16%	\$50.00	\$7.87	8.08%	\$72.46	\$12.43	8.25%	\$7.94	13.75%
2001	\$64.07	\$10.06	13.00%	\$61.27	\$9.63	12.98%	\$53.32	\$8.40	6.64%	\$83.80	\$14.37	15.65%	\$9.60	20.91%
2002	\$69.07	\$10.84	7.80%	\$66.04	\$10.38	7.79%	\$57.48	\$9.05	7.80%	\$90.65	\$15.55	8.17%	\$10.45	8.85%
2003	\$74.16	\$11.64	7.37%	\$70.89	\$11.15	7.34%	\$61.70	\$9.72	7.34%	\$97.66	\$16.75	7.73%	\$11.32	8.33%
2004	\$79.53	\$12.49	7.24%	\$76.02	\$11.95	7.24%	\$66.15	\$10.42	7.21%	\$105.09	\$18.03	7.61%	\$12.25	8.22%
2005	\$84.77	\$13.31	6.59%	\$81.02	\$12.74	6.58%	\$70.47	\$11.10	6.53%	\$112.33	\$19.27	6.89%	\$13.17	7.51%
2006	\$90.23	\$14.16	6.44%	\$86.23	\$13.56	6.43%	\$74.95	\$11.80	6.36%	\$119.89	\$20.56	6.73%	\$14.17	7.59%
2007	\$96.12	\$15.09	6.53%	\$91.84	\$14.44	6.51%	\$79.79	\$12.56	6.46%	\$128.07	\$21.97	6.82%	\$15.25	7.62%
2008	\$102.02	\$16.02	6.14%	\$97.47	\$15.33	6.13%	\$84.61	\$13.32	6.04%	\$136.24	\$23.37	6.38%	\$16.37	7.34%
2009	\$108.24	\$16.99	6.10%	\$103.41	\$16.26	6.09%	\$89.69	\$14.12	6.00%	\$144.88	\$24.85	6.34%	\$17.59	7.45%
2010	\$114.62	\$17.99	5.89%	\$109.49	\$17.22	5.88%	\$94.88	\$14.94	5.79%	\$153.70	\$26.36	6.09%	\$18.87	7.28%
2011	\$121.11	\$19.01	5.66%	\$115.68	\$18.19	5.65%	\$100.14	\$15.77	5.54%	\$162.64	\$27.90	5.82%	\$20.19	7.00%
2012	\$127.98	\$20.09	5.67%	\$122.22	\$19.22	5.65%	\$105.69	\$16.64	5.54%	\$172.03	\$29.51	5.77%	\$21.67	7.33%
2013	\$135.54	\$21.28	5.91%	\$129.44	\$20.35	5.91%	\$111.81	\$17.61	5.79%	\$182.32	\$31.27	5.98%	\$23.30	7.52%
2014	\$143.51	\$22.53	5.88%	\$137.03	\$21.55	5.86%	\$118.23	\$18.62	5.74%	\$193.09	\$33.12	5.91%	\$25.06	7.55%
2015	\$151.80	\$23.83	5.78%	\$144.94	\$22.79	5.77%	\$124.90	\$19.67	5.64%	\$204.24	\$35.03	5.77%	\$26.92	7.42%
2016	\$160.43	\$25.19	5.69%	\$153.16	\$24.08	5.67%	\$131.82	\$20.76	5.54%	\$215.76	\$37.01	5.64%	\$28.92	7.43%
2017	\$169.40	\$26.59	5.59%	\$161.71	\$25.43	5.58%	\$138.99	\$21.89	5.44%	\$227.63	\$39.05	5.50%	\$31.02	7.26%
2018	\$178.71	\$28.06	5.50%	\$170.58	\$26.82	5.49%	\$146.42	\$23.06	5.35%	\$239.85	\$41.14	5.37%	\$33.24	7.16%
2019	\$187.94	\$29.50	5.16%	\$179.37	\$28.20	5.15%	\$153.71	\$24.21	4.98%	\$251.90	\$43.21	5.02%	\$35.54	6.92%

NOTE: HEAT CONTENT - 0.7% SULPHUR RESIDUAL FUEL OIL: 6.37 MMBTU PER BARREL
 HEAT CONTENT - 1.0% SULPHUR RESIDUAL FUEL OIL: 6.36 MMBTU PER BARREL
 HEAT CONTENT - 1.5% SULPHUR RESIDUAL FUEL OIL: 6.35 MMBTU PER BARREL
 HEAT CONTENT - DISTILLATE FUEL OIL: 5.83 MMBTU PER BARREL

UTILITY: FLORIDA POWER AND LIGHT COMPANY

INDIVIDUAL UTILITY FORM 1.2
PAGE 2 OF 3

FUELS FORECAST (1990 - 2019)
(AVERAGE 1990 BASE PRICE AS OF APRIL 25, 1990)
BASE CASE COAL PRICES

YEAR	ST. JOHNS RIVER POWER PARK (WEIGHTED AVERAGE PRICE)			HIGH SULPHUR COAL TO MARTIN		
	\$/TON	\$/MMBTU	ESCALATION %	\$/TON	\$/MMBTU	ESCALATION %
1990	\$43.50	\$1.74		\$44.53	\$1.71	
1991	\$45.00	\$1.80	3.45%	\$45.31	\$1.74	1.75%
1992	\$43.50	\$1.74	-3.33%	\$46.76	\$1.80	3.20%
1993	\$45.25	\$1.81	4.02%	\$49.14	\$1.89	5.09%
1994	\$47.75	\$1.91	5.52%	\$51.68	\$1.99	5.17%
1995	\$50.50	\$2.02	5.76%	\$55.10	\$2.12	6.62%
1996	\$53.50	\$2.14	5.94%	\$58.34	\$2.24	5.88%
1997	\$56.50	\$2.26	5.61%	\$61.94	\$2.38	6.17%
1998	\$59.75	\$2.39	5.75%	\$65.75	\$2.53	6.15%
1999	\$63.00	\$2.52	5.44%	\$69.39	\$2.67	5.54%
2000	\$67.00	\$2.68	6.35%	\$73.64	\$2.83	6.12%
2001	\$70.00	\$2.80	4.48%	\$76.41	\$2.94	3.76%
2002	\$72.50	\$2.90	3.57%	\$81.21	\$3.12	6.28%
2003	\$77.00	\$3.08	6.21%	\$87.06	\$3.35	7.20%
2004	\$81.50	\$3.26	5.84%	\$92.51	\$3.56	6.26%
2005	\$86.25	\$3.45	5.83%	\$98.75	\$3.80	6.75%
2006	\$91.50	\$3.66	6.09%	\$105.99	\$4.08	7.33%
2007	\$97.25	\$3.89	6.28%	\$113.18	\$4.35	6.78%
2008	\$103.00	\$4.12	5.91%	\$120.83	\$4.65	6.76%
2009	\$109.25	\$4.37	6.07%	\$129.07	\$4.96	6.82%
2010	\$116.25	\$4.65	6.41%	\$139.18	\$5.35	7.83%
2011	\$123.50	\$4.94	6.24%	\$148.43	\$5.71	6.65%
2012	\$131.00	\$5.24	6.07%	\$159.23	\$6.12	7.28%
2013	\$139.25	\$5.57	6.30%	\$171.06	\$6.58	7.43%
2014	\$148.25	\$5.93	6.46%	\$184.04	\$7.08	7.59%
2015	\$160.00	\$6.40	7.93%	\$198.89	\$7.65	8.07%
2016	\$169.50	\$6.78	5.94%	\$213.81	\$8.22	7.50%
2017	\$181.25	\$7.25	6.93%	\$230.82	\$8.88	7.96%
2018	\$192.25	\$7.69	6.07%	\$248.36	\$9.55	7.60%
2019	\$204.25	\$8.17	6.24%	\$267.77	\$10.30	7.82%

NOTE: HEAT CONTENT - ST. JOHNS RIVER POWER PARK COAL : 12,500 BTU/ LB
HEAT CONTENT - HIGH SULPHUR COAL DELIVERED TO THE MARTIN SITE:13,000 BTU/ LB

UTILITY: FLORIDA POWER AND LIGHT COMPANY

INDIVIDUAL UTILITY FORM 1.2
PAGE 3 OF 3

FUELS FORECAST (1990 - 2019)
AS OF MARCH 1, 1990
NUCLEAR BASE CASE

YEAR	SYSTEM AVERAGE c/MMBTU	ESCALATION %
1990	59.97	
1991	59.82	-0.25%
1992	59.99	0.28%
1993	58.54	-2.42%
1994	57.15	-2.37%
1995	54.27	-5.04%
1996	50.46	-7.02%
1997	49.25	-2.40%
1998	48.69	-1.14%
1999	50.23	3.16%
2000	51.95	3.42%
2001	55.80	7.41%
2002	58.39	4.64%
2003	60.32	3.31%
2004	62.31	3.30%
2005	64.36	3.29%
2006	66.49	3.31%
2007	68.68	3.29%
2008	70.95	3.31%
2009	73.29	3.30%
2010	75.71	3.30%
2011	78.21	3.30%
2012	80.79	3.30%
2013	83.45	3.29%
2014	86.21	3.31%
2015	89.05	3.29%
2016	91.99	3.30%
2017	95.03	3.30%
2018	98.16	3.29%
2019	101.40	3.30%

UTILITY: FLORIDA POWER & LIGHT
ECONOMIC ASSUMPTIONS (BASE CASE and SENSITIVITY 1)

AFUDC RATE:
12 %

CAPITALIZATION RATIOS

DEBT 46 %
PREFERRED 9 %
EQUITY 45 %

RATES OF RETURN

DEBT 10.3 %
PREFERRED 9.8 %
EQUITY 14.6 %

INCOME TAX RATES

STATE 5.5 %
FEDERAL 32.13 %
EFFECTIVE 37.63 %

OTHER TAX RATE
1.64 %

DISCOUNT RATE
12.00 %

TAX DEPRECIATION LIFE
20 YEARS

AFTER TAX DISCOUNT RATE
10.41 %

UTILITY: FLORIDA POWER & LIGHT

ECONOMIC ESCALATION ASSUMPTIONS (BASE CASE and SENSITIVITY 1)

YEAR	GENERAL INFLATION %	PLANT CONSTRUCTION COST %	FIXED O & M COST %	VARIABLE O & M COST %
1990	3.60%	3.10%	4.10%	4.10%
1991	3.80%	3.30%	4.50%	4.50%
1992	4.30%	3.80%	4.90%	4.90%
1993	4.50%	4.30%	4.80%	4.80%
1994	4.80%	4.80%	5.00%	5.00%
1995	5.10%	5.10%	5.40%	5.40%
1996	5.10%	5.20%	5.40%	5.40%
1997	5.10%	5.10%	5.50%	5.50%
1998	5.10%	5.10%	5.50%	5.50%
1999	5.10%	5.00%	5.50%	5.50%
2000	5.10%	5.00%	5.50%	5.50%
2001	5.20%	5.00%	5.40%	5.40%
2002	5.20%	4.90%	5.30%	5.30%
2003	5.10%	4.70%	5.20%	5.20%
2004	5.00%	4.60%	5.10%	5.10%
2005	4.90%	4.70%	5.00%	5.00%
2006	4.90%	4.70%	5.00%	5.00%
2007	5.00%	4.70%	5.00%	5.00%
2008	5.00%	4.60%	5.00%	5.00%
2009	5.10%	4.60%	5.00%	5.00%

*AVOIDED UNIT****

SENSITIVITY 1 - USING FPL OPTION ASSUMPTIONS

PLANT NAME (TYPE): NON-INTEGRATED GASIFICATION COMBINED CYCLE

 NET CAPACITY (MW): 125

 BOOK LIFE (YRS): 30

INSTALLED COST (IN-SERVICE YEAR 1997)

TOTAL INSTALLED COST (\$/KW)*:	1749.1
.....	
DIRECT CONSTRUCTION COST (\$/KW-BEG-90):	1074.52
.....	
AFUDC AMOUNT (\$/KW):	495.41
.....	
ESCALATION (\$/KW):	179.17
.....	
FIXED O & M (\$/KW-YR BEG-90):	73.02
.....	
VARIABLE O & M (\$/WH BEG-90):	1.39
.....	
ASSUMED CAPACITY FACTOR:	87 %
.....	
K FACTOR**:	1.594
.....	

* TOTAL INSTALLED COST = DIRECT CONSTRUCTION COST + AFUDC + ESCALATION.

** K FACTOR DEVELOPED ON FORM 3.2

*** UNIT AVOIDED BY PLANNED AND PROPOSED QF'S.

UTILITY: FLORIDA POWER & LIGHT
.....
PROPOSED UNIT ADDITIONS

PLANT NAME (TYPE): NON-INTEGRATED GASIFICATION COMBINED CYCLE
.....
NET CAPACITY (MW): 907
.....
BOOK LIFE (YRS): 30
.....

INSTALLED COST (IN-SERVICE YEAR 1998)

TOTAL INSTALLED COST (\$/KW)*:	1835.17
DIRECT CONSTRUCTION COST (\$/KW-BEG-90):	1074.52
AFUDC AMOUNT (\$/KW):	519.08
ESCALATION (\$/KW):	241.57
FIXED O & M (\$/KW-YR BEG-90):	73.02
VARIABLE O & M (\$/MMH BEG-90):	1.39
ASSUMED CAPACITY FACTOR:	87 %
K FACTOR**:	1.594

* TOTAL INSTALLED COST = DIRECT CONSTRUCTION COST + AFUDC + ESCALATION.
** K FACTOR DEVELOPED ON FORM 3.2

UTILITY:

FLORIDA POWER & LIGHT CO.

SUMMARY OF NEW UNIT ADDITIONS
(WITH PLANNED AND PROPOSED QUALIFYING FACILITIES)

(1) YEAR	(2) UNIT TYPE	(3) FUEL	(4) CONSTRUCTION START MO/YR	(5) . (6) NET CAPABILITY	
				SUMMER (MW)	WINTER (MW)
1992	Scherer Unit #4	Coal	*	150	150
1993	Scherer Unit #4 Ft. Lauderdale Unit #4&5 Repowering	Coal Gas/Oil	* 1/93	266 286/unit	266 312/unit
1994	Scherer Unit #4 Martin Combined Cycle No.3	Coal Gas/Oil	* 1/94	140 400	140 444
1995	Martin Combined Cycle No.4 Scherer Unit #4	Gas/Oil Coal	1/95 *	400 90	444 90
1998	Coal Gasification Martin Combined Cycle No.5	Coal	1/98	454	454
	Coal Gasification Martin Combined Cycle No.6	Coal	*	454	454

NOTE: * FPL has signed a letter of intent to purchase 646 MW of coal-fired generation. This capacity is being added in incremental steps of 150MW(1991), 266 MW(1993), 140MW(1994) and 90MW(1995) for a total of 646 MW thereafter.

Combined Cycle units have a potential for future conversion to Coal Gasification if the circumstances warrant it.

UTILITY:

FLO. A POWER & LIGHT CO.

SUMMARY OF NEW UNIT ADDITIONS
(WITHOUT NON CONTRACTED PLANNED QUALIFYING FACILITIES)
(SENSITIVITY 1)

(1) YEAR	(2) UNIT TYPE	(3) FUEL	(4) CONSTRUCTION START MO/YR	(5) NET CAPABILITY	
				(5) SUMMER (MW)	(6) WINTER (MW)
1992	Scherer Unit #4	Coal	*	150	150
1993	Scherer Unit #4 Ft. Lauderdale Unit #4&5 Repowering	Coal Gas/Oil	* 1/93	266 286/unit	266 312/unit
1994	Scherer Unit #4 Martin Combined Cycle No.3	Coal Gas/Oil	* 1/94	140 400	140 444
1995	Martin Combined Cycle No.4 Scherer Unit #4	Gas/Oil Coal	1/95 *	400 90	444 90
1997	Two CT for the phased construction of Coal Gasification Martin Combined Cycle No 5&6	Coal	1/97	272	272
1998	Balance of Coal Gasification Martin Combined Cycle No 5&6	Coal	1/98	635	635

NOTE: * FPL has signed a letter of intent to purchase 646 MW of coal-fired generation. This capacity is being added in incremental steps of 150MW(1991), 266 MW(1993), 140MW(1994) and 90MW(1995) for a total of 646 MW thereafter.

Combined Cycle units have a potential for future conversion to Coal Gasification if the circumstances warrant it.

UTILITY FLORIDA POWER & LIGHT CO.

INDIVIDUAL UTILITY FORM 2.2A

PAGE 1 OF 2

SUMMARY OF CAPACITY, DEMAND, AND RESERVE MARGIN

AT TIME OF SUMMER PEAK

CASE: WITH QF's

(BASE CASE)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
YEAR	GENERATION ADDITIONS (MW)	INSTALLED GENERATION (MW)	IMPORTS (MW)	QUALIFYING FACILITIES (MW)		TOTAL ADDITIONAL RESOURCES (MW)		SUMMER PEAK LOAD (MW)	LOAD MGT (MW)	ADJUSTED SUMMER PEAK LOAD (MW)	TOTAL RESERVE	
				CONTRACTED	POT. FIRM	RESOURCES	CAPACITY				MARGIN (MW)	PERCENT OF LOAD
1990		13,622	2,442	10	0.0	2,452	16,074	13,754	219	13,535	2,539	18.5
1991	150 (4)	13,772	2,591	10	0.0	2,601	16,373	13,815	426	13,389	2,984	21.6
1992		13,772	2,599	304.6	60.0	2,964	16,736	14,180	611	13,569	3,167	22.3
1993	907 (1,2,4)	14,679	1,778	304.6	110.0	2,193	16,872	14,387	695	13,692	3,180	22.1
1994	540 (3,4)	15,219	1,380	554.6	139.5	2,074	17,293	14,694	776	13,918	3,375	23.0
1995	490 (3,4)	15,709	1,287	606.6	170.0	2,064	17,773	15,118	858	14,260	3,513	23.2
1996		15,709	1,287	906.6	182.5	2,376	18,085	15,390	954	14,436	3,649	23.7
1997		15,709	1,287	906.6	195.0	2,389	18,098	15,694	1,003	14,691	3,407	21.7
1998	907 (5)	16,616	1,287	906.6	257.5	2,451	19,067	16,019	1,007	15,012	4,055	25.3
1999		16,616	1,287	906.6	300.0	2,494	19,110	16,262	1,007	15,255	3,855	23.7

NOTES:

1. Unit Riviera 2 (69 MW) returns to service from LTRS status.
2. Full Repowering of Ft. Lauderdale Units 4 & 5.
3. Two new combined cycle units are scheduled for operation, one beginning December 31, 1993 and the other December 31, 1994.
4. FPL has signed a letter of intent to purchase 646 MW of coal-fired generation. This capacity is being added in incremental steps of 150MW(1991), 266MW(1993), 140MW(1994) and 90MW(1995) for a total of 646MW thereafter.
5. New, unsited, single Integrated Coal-Gasification Combined Cycle unit.

UTILITY: FLORIDA POWER & LIGHT CO.
 INDIVIDUAL UTILITY FORM 2.2A
 PAGE 2 OF 2

SUMMARY OF CAPACITY, DEMAND, AND RESERVE MARGIN
 AT TIME OF SUMMER PEAK

CASE: WITHOUT NOW CONTRACTED PLANNED QUALIFYING FACILITIES
 (SENSITIVITY 1)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	GENERATION ADDITIONS (MW)	INSTALLED GENERATION (MW)	IMPORTS (MW)	QUALIFYING FACILITIES (MW) CONTRACTED	TOTAL ADDITIONAL RESOURCES (MW)	ADDITIONAL TOTAL CAPACITY (MW)	SUMMER PEAK LOAD (MW)	LOAD NOT MET (MW)	ADJUSTED SUMMER PEAK LOAD (MW)	... MARGIN (MW)	TOTAL RESERVE PERCENT OF LOAD
1990		13,622	2,442	10	2,452	16,074	13,754	219	13,535	2,539	18.5
1991	150 (4)	13,772	2,591	10	2,601	16,373	13,815	426	13,389	2,984	21.6
1992		13,772	2,599	304.6	2,904	16,676	14,181	611	13,570	3,105	21.9
1993	907 (1,2,4)	14,679	1,778	304.6	2,083	16,762	14,388	695	13,693	3,068	21.3
1994	540 (3,4)	15,219	1,380	554.6	1,935	17,154	14,754	776	13,978	3,176	21.5
1995	490 (3,4)	15,709	1,287	606.6	1,894	17,603	15,051	858	14,193	3,409	22.7
1996		15,709	1,287	906.6	2,194	17,903	15,467	954	14,513	3,390	21.9
1997	272 (5)	15,981	1,287	906.6	2,194	18,175	15,771	1,003	14,768	3,407	21.6
1998	635 (6)	16,616	1,287	906.6	2,194	18,810	16,096	1,007	15,089	3,721	23.1
1999		16,616	1,287	906.6	2,194	18,810	16,339	1,007	15,332	3,478	21.3

NOTES:

1. Unit Riviera 2 (69 MW) returns to service from LTRS status.
2. Full Repowering of Ft. Lauderdale Units 4 & 5.
3. Two new combined cycle units are scheduled for operation, one beginning December 31, 1993 and the other December 31, 1994.
4. FPL has signed a letter of intent to purchase 640MW of coal fired generation. This capacity is being added in incremental steps of 150MW(1991), 265MW(1993), 140MW(1994) and 90MW(1995) for a total of 645MW thereafter.
5. Two Combustion Turbines for the phased construction of Coal Gasification Martin Combined Cycle unit.
6. Balance of the Coal Gasification Martin Combined Cycle unit.

SUMMARY OF CAPACITY, DEMAND, AND RESERVE MARGIN
AT TIME OF WINTER PEAK
CASE: WITH OF's

(1)	(2)	(3)	(4)	(5)	(6) (BASE CASE)		(7)	(8)	(9)	(10)	(11)	(12)	(13)
-- ADDITIONAL RESOURCES --													
YEAR	GENERATION ADDITIONS (MW)	INSTALLED GENERATION (MW)	IMPORTS (MW)	QUALIFYING FACILITIES (MW)	FACILITIES		TOTAL ADDITIONAL RESOURCES (MW)	TOTAL CAPACITY (MW)	WINTER PEAK LOAD (MW)	LOAD HGT (MW)	ADJUSTED WINTER PEAK LOAD (MW)	TOTAL RESERVE MARGIN (MW)	PERCENT OF LOAD
					CONTRACTED	POT. FIRM							
ACTUAL:													
1989/90		14,098	2,441	0	0.0		2,441	16,539	13,988	120	13,868	2,671	19.1
FORECAST:													
1990/91	150 (4)	14,248	2,593	10	0.0		2,603	16,851	14,132	327	13,805	3,046	21.6
1991/92		14,248	2,588	10	0.0		2,598	16,846	14,642	514	14,128	2,718	18.6
1992/93	961 (1,2,4)	15,209	2,174	304.6	60.0		2,539	17,748	15,144	642	14,502	3,246	21.4
1993/94	584 (3,4)	15,793	1,738	304.6	110.0		2,153	17,946	15,632	724	14,908	3,038	19.4
1994/95	534 (3,4)	16,327	1,340	554.6	139.5		2,034	18,361	16,058	805	15,253	3,108	19.4
1995/96		16,327	1,287	606.6	170.0		2,064	18,391	16,534	887	15,647	2,744	16.6
1996/97		16,327	1,287	906.6	182.5		2,376	18,703	17,015	996	16,019	2,684	15.8
1997/98	907 (5)	17,234	1,287	906.6	195.0		2,389	19,623	17,496	1,006	16,490	3,133	17.9
1998/99		17,234	1,287	906.6	257.5		2,451	19,685	17,976	1,007	16,969	2,716	15.1
1999/00	907 (5)	18,141	1,287	906.6	300.0		2,494	20,635	18,456	1,007	17,449	3,186	17.3

NOTES:

- Unit #1 (71 MW) returns to service from LTRS status.
- Full Repowering of Ft. Lauderdale Units 4 & 5.
- Two new combined cycle units are scheduled for operation, one beginning December 31, 1993 and the other December 31, 1994.
- FPL has signed a letter of intent to purchase 646MW of coal fired generation. This capacity is being added in incremental steps of 150MW(1991), 266MW(1993), 140MW(1994) and 90MW(1995) for a total of 646MW thereafter.
- New, unsited, single Coal Gasification Combined Cycle unit.

SUMMARY OF CAPACITY, DEMAND, AND RESERVE MARGIN
AT TIME OF WINTER PEAK

CASE: WITHOUT NON CONTRACTED PLANNED QUALIFYING FACILITIES

(SENSITIVITY 1)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	GENERATION ADDITIONS (MW)	INSTALLED GENERATION (MW)	IMPORTS (MW)	QUALIFYING FACILITIES (MW) CONTRACTED	-- ADDITIONAL RESOURCES --		WINTER PEAK LOAD (MW)	LOAD MANAGEMENT (MW)	ADJUSTED WINTER PEAK LOAD (MW)	--- TOTAL --- RESERVE MARGIN (MW)	--- PERCENT OF LOAD
					TOTAL ADDITIONAL RESOURCES (MW)	TOTAL CAPACITY (MW)					
ACTUAL:											
1989/90		14,098	2,441	0	2,441	16,539	13,988	120	13,868	2,671	19.1
FORECAST:											
1990/91	150 (4)	14,248	2,593	10	2,603	16,851	14,132	327	13,805	3,046	21.6
1991/92		14,248	2,588	10	2,598	16,846	14,642	514	14,128	2,718	18.6
1992/93	961 (1,2,4)	15,209	2,174	304.6	2,479	17,688	15,145	642	14,503	3,184	21.0
1993/94	584 (3,4)	15,793	1,738	304.6	2,043	17,836	15,633	724	14,909	2,926	18.7
1994/95	534 (3,4)	16,327	1,340	554.6	1,895	18,222	16,118	805	15,313	2,909	18.0
1995/96		16,327	1,287	606.6	1,894	18,221	16,601	887	15,714	2,507	15.1
1996/97	272 (5)	16,599	1,287	906.6	2,194	18,793	17,092	996	16,096	2,697	15.8
1997/98	635 (6)	17,234	1,287	906.6	2,194	19,428	17,573	1,006	16,567	2,861	16.3
1998/99		17,234	1,287	906.6	2,194	19,428	18,053	1,007	17,046	2,382	13.2
1999/00		17,234	1,287	906.6	2,194	19,428	18,533	1,007	17,526	1,902	10.3

NOTES:

1. Unit Riviera 2 (71 MW) returns to service from LTRS status.
2. Full Repowering of Ft. Lauderdale Units 4 & 5.
3. Two new combined cycle units are scheduled for operation, one beginning December 31, 1993 and the other December 31, 1994.
4. FPL has signed a letter of intent to purchase 646MW of coal fired generation. This capacity is being added in incremental steps of 150MW(1991), 266MW(1993), 140MW(1994) and 90MW(1995) for a total of 646MW thereafter.
5. Two Combustion Turbines for the phased construction of Coal Gasification Martin Combined Cycle unit.
6. Balance of the Coal Gasification Martin Combined Cycle unit.

UTILITY: FLORIDA POWER & LIGHT

INDIVIDUAL UTILITY FORM 3.1
 FINANCIAL ASSUMPTIONS
 FOR THE DEVELOPMENT OF K FACTOR

Page 1 of 1

UNIT: NON-INTEGRATED GASIFIED COMBINED CYCLE

SENSITIVITY 1 - USING FPL OPTION ASSUMPTIONS

CAPITALIZATION RATIOS:

DEBT: 46 %
 PREFERRED: 9 %
 EQUITY: 45 %

RATES OF RETURN:

DEBT: 10.3 %
 PREFERRED: 9.8 %
 EQUITY: 14.6 %

TAX RATE: 37.63 %
 AFUDC: 12 %
 DISCOUNT RATE: 10.41 %
 BOOK LIFE: 30 YEARS

START YEAR FOR

CONSTRUCTION: 1990
 IN-SERVICE YEAR: 1997

TAX DEPRECIATION LIFE: 20 YEARS

CONSTRUCTION SPENDING CURVE

YEAR	% CONSTRUCTION EXPENDITURES*
-8	X
-7	X
-6	1.48 X
-5	2.52 X
-4	9.52 X
-3	29.06 X
-2	29.52 X
-1	24.75 X
0 (1)	3.15 X
	100.00 X

* To be applied to direct construction costs.

(1) 1996

UTILITY: FLORIDA POWER & LIGHT

 FIXED CHARGE CALCULATIONS FOR
 DEVELOPMENT OF K FACTOR

INDIVIDUAL UTILITY FORM 3.2
 Page 1 of 1

SENSITIVITY 1 - USING FPL OPTION ASSUMPTIONS

UNIT: NON-INTEGRATED GASIFIED COMBINED CYCLE

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
YEAR	CALENDAR YEAR	ELECTRIC PLANT IN-SERVICE (\$000'S)	DEBT (\$000'S)	PREFERRED (\$000'S)	EQUITY (\$000'S)	TAXES (\$000'S)	TAX CREDIT (\$000'S)	TOTAL DEBT PREFERRED EQUITY AND TAXES	STRAIGHT-LINE DEPRECIATION	TOTAL FIXED CHARGES	CUMULATIVE PRESENT WORTH FIXED CHARGE (\$000'S)
1	1997	1586435	77055	14344	106850	99138	0	297387	58698	356086	338883
2	1998	1527737	73673	13715	102160	95929	0	285476	58698	344174	635548
3	1999	1469039	69899	13012	96926	92347	0	272185	58698	330883	893865
4	2000	1410341	66264	12335	91886	88898	0	259383	58698	318082	1118775
5	2001	1351643	62759	11683	87025	85572	0	247039	58698	305737	1314574
6	2002	1292945	59374	11053	82332	82360	0	235118	58698	293816	1484997
7	2003	1234247	56099	10443	77790	79251	0	223583	58698	282281	1633292
8	2004	1175549	52925	9852	73389	76240	0	212406	58698	271104	1762287
9	2005	1116851	49809	9272	69068	73283	0	201431	58698	260129	1874390
10	2006	1058152	46700	8691	64758	70333	0	190485	58698	249183	1971651
11	2007	999454	43592	8115	60448	67384	0	179538	58698	238236	2055872
12	2008	940756	40484	7536	56137	64434	0	168592	58698	227290	2128647
13	2009	882058	37376	6958	51827	61485	0	157645	58698	216343	2191386
14	2010	823360	34267	6379	47517	58535	0	146699	58698	205397	2245335
15	2011	764662	31159	5800	43207	55586	0	135752	58698	194451	2291593
16	2012	705964	28051	5222	38897	52636	0	124806	58698	183504	2331131
17	2013	647266	24943	4643	34587	49687	0	113860	58698	172558	2364805
18	2014	588568	21834	4065	30277	46737	0	102913	58698	161611	2393369
19	2015	529870	18726	3486	25967	43788	0	91967	58698	150665	2417488
20	2016	471171	15618	2907	21657	40838	0	81020	58698	139718	2437746
21	2017	412473	12805	2384	17756	38169	0	71114	58698	129812	2454793
22	2018	353775	10589	1971	14683	36065	0	63308	58698	122006	2469304
23	2019	295077	8673	1614	12026	34247	0	56561	58698	115259	2481720
24	2020	235579	6757	1258	9370	32430	0	49814	58698	108512	2492307
25	2021	177681	4841	901	6713	30612	0	43067	58698	101765	2501300
26	2022	118983	2925	545	4057	28794	0	36320	58698	95018	2508905
27	2023	60285	1010	188	1400	26976	0	29573	58698	88271	2515304
28	2024	1587	-906	-169	-1256	25158	0	22826	58698	81525	2520656
29	2025	-57112	-2822	-525	-3913	23340	0	16079	58698	74778	2525103
30	2026	-115810	-6293	-1172	-8727	20046	0	3854	58698	62552	2528472

VALUE OF K 1.594 = TOTAL CUMULATIVE PRESENT WORTH FIXED CHARGE/TOTAL INSTALLED COST.

Definitions

AAGR - Average Annual Growth Rate, usually expressed as a percent. It is calculated by $[(\text{future value} / \text{present value})^{1/(n-1)}] - 1$.

Average Demand is obtained by dividing the energy used over a period of time by the number of hours in that period.

Interruptible Load is load which may be disconnected at the supplier's discretion.

Load Factor is a percent which is the calculation of $NEL / (\text{annual peak demand} * \text{the number of hours in the year})$.

Net Capability or Net Capacity is the continuous gross capacity, less the power required by all auxiliaries associated with the unit, or the capacity as specified by "SERC Guideline Number 2 for Uniform Generator Ratings for Reporting."

Net Energy For Load (NEL) is the net system generation *plus* energy received from Class I and Class II systems *minus* energy delivered to Class I and Class II systems.

Net Energy For System (NES) is net energy for load *plus* energy received from Class III and Class V systems *minus* energy delivered to Class III and Class V systems.

Peak Demand or Peak Load is the net 60-minute integrated demand, actual or adjusted. Forecasted loads assume normal weather conditions.

Peninsular Florida - geographically, those utilities and their service territories east of the Apalachicola River.

Qualifying Facility (QF) is the cogenerator or small power producer which meets FERC criteria for a qualifying facility.

Sales for Resale - energy sales to Class I-V systems.

State of Florida - utilities and their service territories in peninsular Florida plus Gulf Power Company, West Florida Electric Cooperative, Choctawhatchee Electric Cooperative, Escambia River Electric Cooperative and Gulf Coast Electric Cooperative.

Summer is defined as June 1 through September 30 of year being studied.

Winter - December of the previous year through March 31 of the year being studied.

Year - the calendar year, January 1 through December 31. Unless otherwise indicated, this is the year used for historical and forecast data.

Abbreviations

<i>Fuel Transportation Method</i>	
PL	Pipeline
RR	Railroad
TK	Truck
WA	Water

<i>Types Of Fuel</i>	
ALT	Alternate Fuel
BIT	Coal
FO2	No. 2 Fuel Oil (Distillate)
FO6	No. 6 Fuel Oil (Heavy)
NG	Natural Gas
SW	Solid Waste
UN	Unknown
WAT	Water
WH	Waste Heat

<i>Power And Energy</i>	
KW	Kilowatt
KWH	Kilowatt-Hour
MW	Megawatt (1,000 KW)
MWH	Megawatt Hour (1,000 KWH)
GW	Gigawatt (1,000 MW)
GWH	Gigawatt Hour (1,000 MWH)

<i>Status Of Generation Facilities</i>	
A	Capability increase
C	Conversion from oil to coal
CA	Conversion to alternate fuel
CG	Conversion to gas
D	Capability decrease
L	Regulatory approval pending; not under construction
M	Cold standby
P	Planned, but not authorized by utility
R	To be retired
S	Returned from cold standby or reserve shutdown
T	Regulatory approval received; not under construction
U	Under construction; less than 50% completed
V	Under construction; more than 50% completed

<i>Types Of Generating Units</i>	
CC	Combined Cycle
CCT	Combined Cycle, Combustion Turbine
CCW	Combined Cycle, Waste Heat
CT	Combustion Turbine
D	Diesel
FS	Fossil Steam
HY	Hydro

Abbreviations

Type Of Qualifying Facility	
COG	Cogenerator
SPP	Small Power Producer

Qualifying Facility Fuel Type	
BG	Biomass Gas
BM	Biomass
C	Coal
HY	Hydro
MG	Methane Gas
NG	Natural Gas
O	Other
PG	Propane Gas
PT	Peat
SW	Solid Waste
WD	Wood
WH	Waste Heat

Qualifying Facility Status	
C	Under contract for the delivery of energy and/or capacity to the utility
NC	Not under contract for the delivery of energy and/or capacity to the utility

Scheduled Interchange/ Purchased Power Agreements	
FR	Full requirement service agreement
PR	Partial requirement service agreement
Sch D	Long term firm capacity and energy interchange agreement
Sch E	Long term non-firm capacity and energy interchange agreement
UPS	Unit Power Sale

Certified And Proposed Bulk Power Lines (Status)	
C	Certified
CR	Certification required
CNR	Certification not required

Qualifying Facility Billing Method	
SPS	Simultaneous purchase and sell
NET	Net sales of energy and capacity to the purchasing utility

UTILITY: FLORIDA POWER & LIGHT COMPANY

SUMMER PEAK DEMAND AND ITS COMPONENTS
(AS OF OCTOBER 1, 1990)
FORM FOR A PARTIAL OR FULL REQUIREMENT SUPPLYING UTILITY
BASE CASE

YEAR	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	FIRM SUMMER PEAK DEMAND [1]	FIRM SUMMER RETAIL PEAK DEMAND [2]	FULL OR PARTIAL REQUIREMENT WHOLESALE DELIVERY (MW)										
			TO: SEC	TO: CLE	TO: NSB	TO: LWU	TO: FTP	TO: VER	TO: FKE	TO: HST	TO: STK	TO: GCS	TO: JBH
1989	13425	13158	134	17	8	0	5	4	76	4	1	4	15
1990	13420	12849	157	17	8	0	5	3	80	4	2	5	19
1991	13815	13247	137	9	7	0	6	3	82	3	1	4	19
1992	14180	13556	169	8	0	0	5	2	85	2	1	4	20
1993	14387	13701	199	8	0	0	5	2	89	2	1	4	19
1994	14694	13947	227	8	0	0	5	2	92	2	1	4	19
1995	15118	14305	260	8	0	0	0	2	94	0	1	4	20
1996	15390	14502	293	8	0	0	0	0	97	0	1	4	21
1997	15694	14721	330	8	0	0	0	0	100	0	0	4	22
1998	16019	14952	370	9	0	0	0	0	103	0	0	4	23
1999	16262	15704	414	9	0	0	0	0	106	0	0	5	24
2000	16700	15454	451	9	0	0	0	0	109	0	0	5	24
2001	17061	15725	495	9	0	0	0	0	113	0	0	5	25
2002	17406	15988	532	9	0	0	0	0	116	0	0	5	26
2003	17761	16249	568	10	0	0	0	0	120	0	0	5	27
2004	18160	16544	614	10	0	0	0	0	123	0	0	6	29
2005	18448	16727	662	10	0	0	0	0	127	0	0	6	30
2006	18946	17127	709	10	0	0	0	0	131	0	0	6	31
2007	19352	17444	749	10	0	0	0	0	135	0	0	6	32
2008	19773	17767	787	11	0	0	0	0	139	0	0	7	33
2009	20240	19210	834	11	0	0	0	0	143	0	0	7	35

NOTES: [1] FPL'S OFFICIAL PUBLISHED PEAK FORECAST
[2] COL(2) = COL(1) - TOTAL OF COLS(3) THROUGH (13)

UTILITY: FLORIDA POWER & LIGHT COMPANY

INDIVIDUAL UTILITY FORM 5.5

PAGE 2 OF 3

WINTER PEAK DEMAND AND ITS COMPONENTS
(AS OF OCTOBER 1, 1990)
FORM FOR A PARTIAL OR FULL REQUIREMENT SUPPLYING UTILITY
BASE CASE

YEAR	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	FIRM WINTER PEAK DEMAND	FIRM WINTER RETAIL PEAK DEMAND	FULL OR PARTIAL REQUIREMENT WHOLESALE DELIVERY (MW)										
	[1]	[2]	TO: SEC	TO: CLE	TO: NSB	TO: LWU	TO: FTP	TO: VER	TO: FKE	TO: HST	TO: STK	TO: GCS	TO: JBH
1989 / 90	13988	13340	495	21	10	0	5	4	77	3	2	6	26
1990 / 91	14132	13990	5	12	8	0	5	3	75	3	1	5	24
1991 / 92	14642	14506	7	9	7	0	5	3	78	3	1	4	19
1992 / 93	15144	14991	30	8	0	0	5	2	81	2	1	4	20
1993 / 94	15632	15457	51	8	0	0	5	2	84	2	1	4	19
1994 / 95	16058	15852	80	8	0	0	5	1	86	1	1	4	20
1995 / 96	16534	16306	100	8	0	0	5	1	89	0	1	4	20
1996 / 97	17015	16760	125	8	0	0	4	0	92	0	1	4	20
1997 / 98	17495	17215	148	8	0	0	4	0	94	0	0	4	21
1998 / 99	17976	17673	167	8	0	0	4	0	97	0	0	4	21
1999 / 0	18456	18134	183	9	0	0	4	0	100	0	0	5	22
2000 / 1	18941	18603	196	9	0	0	4	0	103	0	0	5	22
2001 / 2	19437	18903	388	9	0	0	4	0	106	0	0	5	22
2002 / 3	19952	19240	572	9	0	0	4	0	109	0	0	5	23
2003 / 4	20485	19586	745	9	0	0	4	0	113	0	0	5	23
2004 / 5	21022	19961	902	9	0	0	4	0	116	0	0	5	24
2005 / 6	21566	20361	1042	10	0	0	4	0	120	0	0	5	24
2006 / 7	22118	20790	1161	10	0	0	4	0	123	0	0	5	25
2007 / 8	22677	21249	1257	10	0	0	4	0	127	0	0	5	25
2008 / 9	23273	21770	1327	10	0	0	3	0	131	0	0	5	26

NOTES: [1] FPL'S OFFICIAL PUBLISHED PEAK FORECAST APPROVED JUNE 1990

[2] COL(2) = COL(1) - TOTAL OF COLS(3) THROUGH (13)

NET ENERGY FOR LOAD AND ITS COMPONENTS

(AS OF OCTOBER 1, 1990)

FORM FOR A PARTIAL OR FULL REQUIREMENT SUPPLYING UTILITY

BASE CASE

YEAR	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	OFFICIAL NEL (GWH) [1]	FIRM RETAIL ENERGY SALES [2]	FULL OR PARTIAL REQUIREMENT WHOLESALE DELIVERY (GWH):										
			TO: SEC	TO: CLE	TO: NSB	TO: LWU	TO: FTP	TO: VER	TO: FKE	TO: HST	TO: STK	TO: GCS	TO: JBH
1989	89956	63292	73	88	75	0	25	21	487	19	6	10	50
1990	71713	65712	71	91	48	0	24	16	507	12	9	11	60
1991	74244	68076	59	59	41	0	34	14	551	12	6	11	54
1992	76756	70411	87	25	13	0	34	11	585	10	6	11	56
1993	78655	72200	117	28	0	0	35	9	619	11	6	11	57
1994	80688	73674	150	28	0	0	34	7	652	11	6	11	58
1995	82419	75196	192	28	0	0	33	5	680	8	6	12	60
1996	83857	76410	236	29	0	0	33	2	709	0	5	12	61
1997	85489	77859	268	29	0	0	32	0	737	0	2	12	62
1998	87313	79471	345	30	0	0	31	0	767	0	0	12	64
1999	89515	81425	408	31	0	0	31	0	797	0	0	13	65
2000	91597	83244	476	31	0	0	30	0	829	0	0	13	66
2001	93936	85314	548	32	0	0	30	0	862	0	0	13	67
2002	96201	87315	626	33	0	0	29	0	897	0	0	13	68
2003	98572	89400	710	33	0	0	28	0	933	0	0	14	70
2004	101198	91711	804	34	0	0	28	0	970	0	0	14	72
2005	103840	94030	911	35	0	0	27	0	1009	0	0	14	73
2006	106438	96285	1032	35	0	0	27	0	1049	0	0	14	74
2007	109301	98782	1164	36	0	0	26	0	1091	0	0	15	76
2008	112237	101330	1303	37	0	0	26	0	1135	0	0	15	77
2009	115283	103990	1454	37	0	0	25	0	1180	0	0	15	79

NOTES: [1] FPL'S OFFICIAL PUBLISHED PEAK FORECAST APPROVED ON JUNE 1990

[2] COL(2) = OFFICIAL TOTAL SALES FORECAST (JUNE 90) - TOTAL OF COLS(3) THROUGH (13)

* INCLUDES ACTUALS THROUGH SEPTEMBER 1990

UTILITY:

FLORIDA POWER & LIGHT CO.

INDIVIDUAL UTILITY FORM 6.2

Page 1 of 4

EXISTING GENERATING FACILITIES

AS OF OCTOBER 1, 1990

(1) Plant Name	(2) Unit No.	(3) Location	(4) Unit Type	(6) Fuel		(7) Commercial In-Service Month/Year	(8) Expected Retirement Month/Year	(9) Gen.Max. Nameplate KW	(10) Net Capability		(12) Fuel Transport.		(14) Alt. Fuel Days
				(5) Pri.	(6) Alt.				Summer MW	(11) Winter MW	(12) Pri.	(13) Alt.	
Turkey Point		Dade County 27/57S/40E						2,337,790	2,080.0	2,130.0			
	1		ST	NG	HO	4/67	Unknown	402,050	367.0	370.0	PL	WA	---
	2		ST	NG	HO	4/68	Unknown	402,050	367.0	370.0	PL	WA	---
	3		P	N	No	12/72	Unknown	759,970	666.0	688.0	TK	No	---
	4		P	N	No	9/73	Unknown	759,970	666.0	688.0	TK	No	---
	1-5		IC	LO	No	4/68	Unknown	13,750	14.0	14.0	TK	No	---
Lauderdale		Broward County 30/50S/42E						1,133,972	1,126.0	1,248.0			
	4		ST	NG	HO	9/57	Unknown	156,250	137.0	138.0	PL	TK	---
	5		ST	NG	HO	4/58	Unknown	156,250	137.0	138.0	PL	TK	---
	1-12		GT	NG	LO	8/70	Unknown	410,736	426.0	486.0	PL	PL	---
	13-24		GT	NG	LO	8/72	Unknown	410,736	426.0	486.0	PL	PL	---
Port Everglades		City of Hollywood 23/50S/42E						1,665,336	1,568.0	1,634.0			
	1		ST	NG	HO	6/60	Unknown	225,250	204.0	205.0	PL	WA	---
	2		ST	NG	HO	4/61	Unknown	225,250	204.0	205.0	PL	WA	---
	3		ST	NG	HO	7/64	Unknown	402,050	367.0	369.0	PL	WA	---
	4		ST	NG	HO	4/65	Unknown	402,050	367.0	369.0	PL	WA	---
	1-12		GT	NG	LO	8/71	Unknown	410,736	426.0	486.0	PL	WA	---

UTILITY:

FLORIDA POWER & LIGHT CO.

INDIVIDUAL UTILITY FORM 6.2

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EXISTING GENERATING FACILITIES
AS OF OCTOBER 1, 1990

(1) Plant Name	(2) Unit No.	(3) Location	(4) Unit Type	(5) (6) Fuel		(7) Commercial In-Service Month/Year	(8) Expected Retirement Month/Year	(9) Gen.Max. Nameplate KW	(10) (11) Net Capability		(12) (13) Fuel Transport		(14) Alt. Fuel Days
				Pri.	Alt.				Summer MW	Winter MW	Pri.	Alt.	
Riviera		City of Riviera Beach 33/42S/43E						620,840	544.0	548.0			
	3		ST	NG	HO	6/62	Unknown	310,420	272.0	274.0	PL	WA	---
	4		ST	NG	HO	3/63	Unknown	310,420	272.0	274.0	PL	WA	---
Martin		Martin County 29/39S/38E						1,726,600	1,566.0	1,580.0			
	1		ST	HO	NG	12/80	Unknown	863,300	783.0	790.0	PL	PL	---
	2		ST	HO	NG	6/81	Unknown	863,300	783.0	790.0	PL	PL	---
St. Lucie		St. Lucie County 16/36S/41E						1,700,000	1,553.0	1,579.0			
	1		HP	N	No	12/76	Unknown	850,000	839.0	853.0	TK	No	---
	2 1/		HP	N	No	8/83	Unknown	850,000	714.0	726.0	TK	No	---
Cape Canaveral		Brevard County 19/24S/36F						804,100	734.0	740.0			
	1		ST	NG	HO	4/65	Unknown	402,050	367.0	370.0	PL	WA	---
	2		ST	NG	HO	5/69	Unknown	402,050	367.0	370.0	PL	WA	---
Sanford		Volusia County 16/19S/30E						1,028,450	861.0	871.0			
	3		ST	NG	HO	5/59	Unknown	156,250	137.0	139.0	PL	WA	---
	4		ST	HO	No	7/72	Unknown	436,100	362.0	366.0	WA	No	---
	5		ST	HO	No	6/73	Unknown	436,100	362.0	366.0	WA	No	---

1/ Total capability is 839/853 MW. Capabilities shown represent the company's share of the unit and exclude the Orlando Utilities Commission (OUC) and Florida Municipal Power Agency (FMPA) combined portion of 14.89551%.

UTILITY: FLORIDA POWER & LIGHT CO.

INDIVIDUAL UTILITY FORM 6.2

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EXISTING GENERATING FACILITIES
AS OF OCTOBER 1, 1990

(1) Plant Name	(2) Unit No.	(3) Location	(4) Unit Type	(5) Fuel		(7) Commercial In-Service Month/Year	(8) Expected Retirement Month/Year	(9) Gen. Max. Nameplate KW	(10) Net Capability		(12) Fuel Transport		(14) Alt. Fuel Days
				Pri.	Alt.				Summer MW	Winter MW	Pri.	Alt.	
Putnam		Putnam County 16/109/27E						580,000	448.0	468.0			
	1		CC	NG	LO	4/78	Unknown	290,000	224.0	234.0	PL	NA	---
	2		CC	NG	LO	8/77	Unknown	290,000	224.0	234.0	PL	NA	---
Ft. Myers		Lee County 35/439/25E						1,302,300	1,122.0	1,264.0			
	1		ST	NO	No	11/58	Unknown	156,250	137.0	138.0	NA	No	---
	2		ST	NO	No	7/69	Unknown	402,050	367.0	370.0	NA	No	---
	1-12		GT	LO	No	5/74	Unknown	744,000	618.0	756.0	NA	No	---
Manatee		Manatee County 18/336/20E						1,726,600	1,566.0	1,580.0			
	1		ST	NO	No	10/76	Unknown	863,300	783.0	790.0	PL	No	---
	2		ST	NO	No	12/77	Unknown	863,300	783.0	790.0	PL	No	---
St. Johns River Power Park		Suwannee County 12/15/28E (RPC4)						665,146	250.0	250.0			
	1 2/		BIT	BIT	No	3/87	Unknown	665,146	125.0	125.0	RR	No	---
	2 2/		BIT	BIT	No	3/87	Unknown	665,146	125.0	125.0	RR	No	---
Cutler		Dade County 24/558/40E						236,500	204.0	206.0			
	5		ST	NG		11/54	Unknown	75,000	67.0	68.0	PL		---
	6 3/		ST	NG		7/55	Unknown	161,500	137.0	138.0	PL		---

TOTAL SYSTEM AS OF DECEMBER 31, 1989 = 13,622.0 14,098.0

2/ The net capability ratings represent Florida Power & Light Company's share of St. Johns River Park Unit No 1, excluding Jacksonville Electric Authority (JEA) share of 80%.

UTILITY: FLORIDA POWER & LIGHT CO.
EXISTING GENERATING FACILITIES
AS OF OCTOBER 1, 1990

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		(12)	(13)
									Plant Name	Unit No.		
										69.0		
Riviera		City of Riviera Beach 33/425/43E						75,000		69.0		
	2 3/					11/53	Unknown	75,000		69.0	71.0	PL S
TOTAL CAPACITY ON LONG-TERM RESERVE SHUTDOWN AS OF DECEMBER 31, 1989 =										69.0	71.0	

3/ Riviera Unit No. 2 (Total Combined Capacity of 266/270MW) is currently on Long Term Reserve Shutdown (LTRS).

FUTURE GENERATING CAPABILITY INSTALLATIONS, CHANGES AND RENEWALS
(OCTOBER 1, 1990 THROUGH DECEMBER 31, 1999)

(BASE CASE)

(1) Plant Name	(2) Unit No.	(3) Location	(4) Unit Type	(5) Fuel		(7) Const. Start No./Yr.	(8) Commercial In-Service No./Yr.	(9) Gen. Max. Nameplate KW	(10) Net Capability		(12) Fuel Transport	(13) Pri.	(14) Alt.
				Pri.	Alt.				Summer MW	Winter MW			
---ADDITIONS---													
Scherer	4	Georgia	PC	PC	....	*	*	.....	646.0	646.0	---	---	---
Martin Combined Cycle Units	3 4	Martin County 29/399/39E	CC CC	MG MG	LO LO	1990 1991	1994 1995	880,000 440,000 440,000	400.0 400.0	444.0 444.0	PL PL	UNK UNK	UNK UNK
---CHANGES---													
Integrated Coal Gasification Combined Cycle	5 6	Martin County 29/399/39E	IGCC IGCC	C C	LO LO	1998 1998	.....	.....	907.0	907.0	---	---	---
Lauderdale	4 5	Broward County 30/505/42E	FS FS	MG MG	LO LO	1990 1990	1993 1993	860,000 430,000 430,000	423.0 423.0	454.0 453.0	RR RR	UNK UNK	UNK UNK
Riviera	2	City of Riviera Beach 33/425/43E	FS	MG	HO	.....	1993	75,000 75,000	69.0	71.0	---	---	---

1/ Includes only those facilities which are subject to certification under the Florida Electrical Power Plant Siting Act which are projected to be in service during the Site Fiar reporting period.

2/ The ratings shown for Lauderdale Units 4&5 represent the total capacity after repowering and conversion to combined cycle.

3/ FPL has signed a letter of intent to purchase 64.6MW of coal fired generation. This capacity is being added in incremental steps of 150MW(1991), 266MW(1993), 140MW(1994) and 90MW(1995) for a total of 64.6MW thereafter.

*Represents 76% of net rating of the unit.

FUTURE GENERATING CAPABILITY INSTALLATIONS, CHANGES AND REMOVALS
(OCTOBER 1, 1990 THROUGH DECEMBER 31, 1999)

(SENSITIVITY 1)

(1) Plant Name	(2) Unit No.	(3) Location	(4) Unit Type	(5) Fuel		(7) Corat. Start No./Yr.	(8) Commercial In-Service No./Yr.	(9) Gen. Max. Nameplate KW	(10) Net Capability		(11) Fuel Transport				
				Pri.	Alt.				Summer MW	Winter MW	Pri.	Alt.	Sta		
---ADDITIONS---															
Scherer	4	Georgia	PC	PC	----	*	*	-----	646.0	646.0					
Martin Combined Cycle Units		Martin County 29/39S/38E						880,000	800.0	888.0					
	3		CC	NG	LO	1990	1994	440,000	400.0	444.0	PL	Un*	P		
	4		CC	NG	LO	1991	1995	440,000	400.0	444.0	PL	Unk	P		
Integrated Coal Gasification Combined Cycle		Martin County 29/39S/38E							907.0	907.0					
	5		IGCC	C	LO		1998	4/	-----	454.0	454.0	RR	Unk	P	
	6		IGCC	C	LO		1998		453.0	453.0	RR	Unk	P		
---CHANGES---															
Lauderdale		Broward County 30/50S/42E						860,000	846.0	898.0					
	4		FS	NG	LO	1990	1993	430,000	423.0	449.0	PL	PL	A		
	5		FS	NG	LO	1990	1993	430,000	423.0	449.0	PL	PL	A		
Riviera		City of Riviera Beach 33/42S/43E						75,000	69.0	71.0					
	2		FS	NG	HO	-----	1993		75,000	69.0	71.0	PL	S	S	

1/ Includes only those facilities which are subject to certification under the Florida Electrical Power Plant Siting Act which are projected to be in service during the Site Plan reporting period.

2/ The ratings shown for Lauderdale Units 4&5 represent the total capacity after repowering and conversion to combined cycle.

3/ FPL has signed a letter of intent to purchase 646MW of coal fired generation. This capacity is being added in incremental steps of 150MW(1991), 266MW(1993), 140MW(1994) and 90MW(1995) for a total of 646MW thereafter.

4/ Two Combustion Turbines for the phased construction of Coal Gasification Martin Combined Cycle Unit in 1997 with the balance of the unit to be added in 1998.

*Represents 76% of net rating of the unit.

UTILITY: FLORIDA POWER & LIGHT CO.
 EXISTING QUALIFYING FACILITIES
 AS OF OCTOBER 1, 1990

FACILITY NAME	UNIT NO.	LOCATION	TYPE	FUEL	COMMERCIAL IR-SERVICE (MO/YR)	STATUS
(1) U.S. SUGAR-BRYANT	1	BRYANT	SPP	BIO	FEB 1980	OPERATIONAL
(2) METRO-DADE RES RECOVERY	1	DADE COUNTY	SPP	SW	JAN 1982	UNDER NEGOTIATION(1)
(3) U.S. SUGAR-CLEVISTON	1	CLEVISTON	SPP	BIO	NOV 1984	OPERATIONAL
(4) MAPLES BEACH HOTEL	1	MAPLES	COG	PG	JAN 1985	OPERATIONAL
(5) ROYSER COMPANY	1	MULBERRY	COG	W/THERMAL SOURCE	APR 1986	CONTRACTED
(6) DADE COUNTY GOVT. CTR	1	MIAMI	COG	NG	JUL 1986	OPERATIONAL(2)
(7) BIO-ENERGY PARTNERS	1	POPPARD BCH	SPP	LG	MAY 1989	CONTRACTED
(8) SOLID WASTE AUTH. PALM BEACH	1	PALM BEACH CO	SPP	SW	MAY 1989	CONTRACTED
(9) TROPICANA PRODUCTS INC	1	BRADENTON	COG	NG	FEB 1990	OPERATIONAL
(10) FLORIDA CRUSHED STONE	1	BROOKSVILLE	COG	COAL	JUL 1990	CONTRACTED

DEFINITIONS:
 BIO - BIOMASS
 SW - SOLID WASTE
 NG - NATURAL GAS
 WH - WASTE HEAT
 LG - LANDFILL GAS
 PG - PROPANE GAS

(1) NEGOTIATION FOR A JAN 1992 FIRM DATE
 (2) WILL CHANGE TO POTENTIAL FIRM IN JAN 1995

UTILITY: FLORIDA POWER & LIGHT CO.
 EXISTING QUALIFYING FACILITIES
 AS OF OCTOBER 1, 1990

INDIVIDUAL UTILITY FORM 6.4
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POTENTIAL EXPORT TO GRID
 AT TIME OF PEAK

FACILITY NAME	UNIT NO.	FIRM		AS AVAILABLE		OF LOAD SERVED BY GENERATION		MAXIMUM NORMAL GENERATOR OUTPUT	
		SUMMER (%)	WINTER (%)	SUMMER (%)	WINTER (%)	SUMMER (%)	WINTER (%)	SUMMER (%)	WINTER (%)
(1) U.S. STEEL-BRYANT	1			0.0	10.0		1.0	25.0	25.0
(2) RETRO-ONE RES RECOVERY	1			50.0	50.0	0.0	0.0	77.0	77.0
(3) U.S. STEEL-CLELSTON	1			0.0	3.0		N/A	15.0	15.0
(4) MAPLES BEACH HOTEL	1			0.0	0.0	0.10	0.10	0.12	0.12
(5) ROSSER COMPANY	1			3.0	3.0	N/A	N/A	17.0	17.0
(6) ONE COUNTY CONF. CTR	1			18.0	18.0	7.0	7.0	32.0	32.0
(7) BIO-ENERGY PARTNERS	1	10.0	10.0			0.0	0.0	15.0	15.0
(8) SOLID WASTE AUTH. PALM BEACH	1			42.0	42.0	0.0	0.0	61.2	61.2
(9) TROPICANA PRODUCTS INC	1			1.0	1.0	28.2	28.2	55.0	55.0
(10) FLORIDA CRUSHED STONE	1				110.0	N/A	N/A	121.0	121.0

NOTES:
 N/A - NOT AVAILABLE

UTILITY: FLORIDA POWER & LIGHT CO.

 PROJECTED QUALIFYING FACILITIES (LESS THAN 75 MW)
 AS OF OCTOBER 1, 1990

INDIVIDUAL UTILITY FORM 6.5
 PAGE 1 OF 2
 PART 1 OF 2

FACILITY NAME -----	UNIT NO. -----	LOCATION -----	TYPE -----	FUEL -----	COMMERCIAL IN-SERVICE (MO/YR) -----	STATUS -----
(1) METRO-DADE RES RECOVERY	1	DADE COUNTY	SPP	SW	JAN 1992	UNDER NEGOTIATIONS
(2) COMMERCIAL COGENERATOR 01	1	N. MIAMI	COG	NG	JAN 1992	UNDER CONSIDERATION
(3) ENVIRONMENTAL POWER CORP	1	DAVIE	SPP	LG	JAN 1993	UNDER NEGOTIATIONS
(4) LEE COUNTY RESOURCE RECOVERY	1	FT. MYERS	SPP	SW	MAR 1993	UNDER NEGOTIATIONS
(5) GEORGIA PACIFIC	1	PALATKA	COG	NG	JAN 1994	DISCUSSIONS
(6) HERRITT SQUARE MALL	1	HERRITT ISLAND	COG	NG	JAN 1994	DISCUSSIONS
(7) SOLID WASTE FACILITY 01	1	NOT KNOWN	SPP	SW	JUN 1994	POT. PROJ.
(8) SOLID WASTE FACILITY 02	1	NOT KNOWN	SPP	SW	JAN 1995	POT. PROJ.
(9) DADE COUNTY GOVT. CENTER	1	N.AMI	COG	NG	JAN 1995	OPERATIONAL
(10) SOLID WASTE FACILITY 03	1	NOT KNOWN	SPP	SW	JAN 1996	POT. PROJ.
(11) SOLID WASTE FACILITY 04	1	NOT KNOWN	SPP	SW	JAN 1997	POT. PROJ.
(12) BIOMASS FACILITY 01	1	NOT KNOWN	SPP	BIO	JAN 1998	POT. PROJ.
(13) SOLID WASTE FACILITY 05	1	NOT KNOWN	SPP	SW	JAN 1998	POT. PROJ.
(14) BIOMASS FACILITY 02	1	NOT KNOWN	SPP	BIO	JAN 1999	POT. PROJ.
(15) SOLID WASTE FACILITY 06	1	NOT KNOWN	SPP	SW	JAN 1999	POT. PROJ.
(16) SOLID WASTE FACILITY 07	1	NOT KNOWN	SPP	SW	JAN 2000	POT. PROJ.
(17) SOLID WASTE FACILITY 08	1	NOT KNOWN	SPP	SW	JAN 2001	POT. PROJ.
(18) BIOMASS FACILITY 03	1	NOT KNOWN	SPP	BIO	JAN 2003	POT. PROJ.
(19) SOLID WASTE FACILITY 09	1	NOT KNOWN	SPP	SW	JAN 2004	POT. PROJ.
(20) SOLID WASTE FACILITY 10	1	NOT KNOWN	SPP	SW	JAN 2005	POT. PROJ.

UTILITY: FLORIDA POWER & LIGHT CO.

PROJECTED QUALIFYING FACILITIES (LESS THAN 75 MW)
AS OF OCTOBER 1, 1990

INDIVIDUAL UTILITY FORM 6.5
PAGE 2 OF 2
PART 1 OF 2

FACILITY NAME	UNIT NO.	LOCATION	TYPE	FUEL	COMMERCIAL TR-SERVICE (MO/YR)	STATUS
(21) SOLID WASTE FACILITY 11	1	NOT KNOWN	SPP	SW	JAN 2007	POT. PROJ.
(22) SMALL COGEN 01	1	NOT KNOWN	SPP	NOT KNOWN	JAN 2007	POT. PROJ.
(23) SMALL COGEN 02	1	NOT KNOWN	SPP	NOT KNOWN	JAN 2008	POT. PROJ.
(24) SOLID WASTE FACILITY 12	1	NOT KNOWN	SPP	SW	JAN 2009	POT. PROJ.

DEFINITIONS:

- BIO - BIOMASS
- SW - SOLID WASTE
- NG - NATURAL GAS
- WH - WASTE HEAT
- LG - LANDFILL GAS
- PG - PROPANE GAS

UTILITY: FLORIDA POWER & LIGHT CO.
PROJECTED QUALIFYING FACILITIES (LESS THAN 75 MW)
AS OF OCTOBER 1, 1990

POTENTIAL EFFORT TO GRID
AT TIME OF PEAK

FACILITY NAME	UNIT NO.	POTENTIAL FIRM		AS AVAILABLE		OF LOAD SERVED BY GENERATION		REGULAN NOKAL GENERATOR OUTPUT	
		SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)	SUMMER (MW)	WINTER (MW)
(1) METRO-DIXIE RES RECOVERY	1	60.0	60.0			0.0	0.0	77.0	77.0
(2) COMMERCIAL COOPERATOR 01	1	0.0	0.0			1.2	1.2	1.2	1.2
(3) ENVIRONMENTAL POWER CORP	1	5.0	5.0			N/A	N/A	5.0	5.0
(4) LEE COUNTY RESOURCE RECOVERY	1	45.0	45.0			N/A	N/A	45.0	45.0
(5) GEORGIA PACIFIC	1	15.0	15.0			35.8	35.8	74.5	74.5
(6) MERRITT SQUARE HALL	1	2.0	2.0			2.7	2.7	5.0	5.0
(7) SOLID WASTE FACILITY 7A	1	12.5	12.5			N/A	N/A	12.5	12.5
(8) SOLID WASTE FACILITY 02	1	12.5	12.5			N/A	N/A	12.5	12.5
(9) DIXIE COUNTY COAL CENTER	1	18.0	18.0			7.0	7.0	32.0	32.0
(10) SOLID WASTE FACILITY 05	1	12.5	12.5			10.0	10.0	12.5	12.5
(11) SOLID WASTE FACILITY 04	1	12.5	12.5			N/A	N/A	12.5	12.5
(12) BROWNS FACILITY 01	1	50.0	50.0			N/A	N/A	50.0	50.0
(13) SOLID WASTE FACILITY 05	1	12.5	12.5			N/A	N/A	12.5	12.5
(14) BROWNS FACILITY 02	1	30.0	30.0			N/A	N/A	30.0	30.0
(15) SOLID WASTE FACILITY 06	1	12.5	12.5			N/A	N/A	12.5	12.5
(16) SOLID WASTE FACILITY 07	1	12.5	12.5			4.0	4.0	12.5	12.5
(17) SOLID WASTE FACILITY 08	1	12.5	12.5			N/A	N/A	12.5	12.5
(18) BROWNS FACILITY 03	1	40.0	40.0			N/A	N/A	40.0	40.0
(19) SOLID WASTE FACILITY 09	1	12.5	12.5			N/A	N/A	12.5	12.5
(20) SOLID WASTE FACILITY 10	1	12.5	12.5			N/A	N/A	12.5	12.5

UTILITY: FLORIDA POWER & LIGHT CO.

PROJECTED QUALIFYING FACILITIES (LESS THAN 75 MW)
AS OF OCTOBER 1, 1990

INDIVIDUAL UTILITY FORM 6.5
PAGE 2 OF 2
PART 2 OF 2

POTENTIAL EXPORT TO GRID
AT TIME OF PEAK

FACILITY NAME	UNIT NO.	FIRM		AS AVAILABLE		OF LOAD SERVED BY GENERATION OF GENERATION		MAXIMUM NORMAL GENERATOR OUTPUT	
		SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER	SUMMER	WINTER
(1) SOLID WASTE FACILITY 11	1	12.5	12.5			N/A	N/A	12.5	12.5
(2) SMALL COGEN 01	1	35.0	35.0			N/A	N/A	35.0	35.0
(3) SMALL COGEN 02	1	50.0	50.0			N/A	N/A	50.0	50.0
(4) SOLID WASTE FACILITY 12	1	12.5	12.5			N/A	N/A	12.5	12.5

TOTAL PROJECTED MW'S 50.0

UTILITY: FLORIDA POWER & LIGHT CO.
PLANNED AND PROPOSED QUALIFYING FACILITIES (ABOVE 75 MW)
AS OF OCTOBER 1, 1990

FACILITY NAME	UNIT NO.	LOCATION	TYPE	FUEL	COMMERCIAL IN-SERVICE (MO/YR)	STATUS
(1) FLORIDA CRUSHED STONE	1	BROOKSVILLE	COG	COAL	APR 1990	CONTRACTED (1)
(2) AES CEDAR BAY	1	JACKSONVILLE	COG	COAL	JAN 1994	CONTRACTED (2)
(3) BECHTEL INDIANTOAH	1	INDIANTOAH	COG	COAL	DEC 1995	CONTRACTED (3)

DEFINITIONS:

- BTG - BIOMASS
- SW - SOLID WASTE
- NG - NATURAL GAS
- MR - WASTE HEAT
- LG - LANDFILL GAS
- PG - PROPANE GAS
- SO - STANDARD OFFER

- NOTES:
- (1) 7/1990 - AS-AVAILABLE ENERGY
 - (2) CONTRACT SIGNED AND APPROVED BY PSC.
 - (3) CONTRACT SIGNED AND PENDING APPROVAL
 - (4) - (16) "POTENTIAL" QUALIFYING FACILITIES ONLY

UTILITY: FLORIDA POWER & LIGHT CO.

PLANNED AND PROPOSED QUALIFYING FACILITIES (GRADE 75 MW)
AS OF OCTOBER 1, 1990

INDIVIDUAL UTILITY PERM 6.5A
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POTENTIAL EXPOSURE TO GRID
AT TIME OF RISK

FACILITY NAME	UNIT NO.	FIRM		AS AVAILABLE		OF LOAD SERVED BY GRID OF GENERATION		PLANT AUXILIARY LOAD		HIGH VOLTAGE OVERSEAS CABLE	
		SLURR	WATER	SLURR	WATER	SLURR	WATER	SLURR	WATER	SLURR	WATER
(1) FLORIDA COLORED SIDE	1	121.0	121.0	0.0	0.0	0.0	0.0	N/A	N/A	121.0	121.0
(2) RES COOK BY	1	200.0	200.0	0.0	0.0	0.0	0.0	N/A	N/A	200.0	200.0
(3) BEVEL MOUNTAIN	1	300.0	300.0	0.0	0.0	0.0	0.0	N/A	N/A	300.0	300.0

UTILITY: FLORIDA POWER & LIGHT CO.
SUMMARY OF FIRM ENERGY AND CAPACITY CONTRACTS
WITH QUALIFYING FACILITIES
AS OF DECEMBER 31, 1990

QUALIFYING FACILITY PURCHASING UTILITY:	CONTRACT TERM		CONTRACT CAPACITY (MW)		CONTRACT ENERGY		BILLING PERIOD	MPE	ANTICIPATED IN-SERVICE (PWYD)	NET BAKER CAPABILITY (MW)
	FROM MONTH	TO MONTH	NET SIZ. (MW)	NET MIN. (MW)	(GWH)	% CAP. FACTOR				
BIO-ENERGY PARTNERS	6/89	1/2005	10.0	10.0	61.3	70%	NET	-	4/92	-
BROWARD RES. RECOVERY-SUNRISE	8/89	05/2009	50.6	50.6	310.3	70%	NET	-	4/92	-
BROWARD RES. RECOVERY-NORTH	4/92	12/2010	45.0	45.0	275.9	70%	NET	-	4/92	-
SOLID WASTE A.M.H. PALM BEACH	4/92	05/2010	42.0	42.0	257.5	70%	NET	-	4/92	-
ROUSIER COMPANY (1)	1/85	05/2002	8.0	8.0	49.1	70%	NET	-	4/92	-
FLORIDA COALBED STORE (2)	7/85	10/2005	121.0	121.0	742.0	70%	NET	-	4/92	-
ROUSIER PHOSPHATES INC	1/92	12/2007	28.0	28.0	238.5	65%	NET	-	1/95	-
ACS CEDAR BAY	9/95	8/2006	250.0	250.0	1715.3 (3)	67%	NET	-	1/95	-
GENERAL FEAT RESOURCES	6/95	12/2005	52.0	52.0	397.2	65%	NET	-	1/95	-
BECHTEL INDIANOLA	12/95	11/2006	300.0	300.0	2058.4 (3)	67%	NET	-	1/95	-
TOTAL CONTRACTED MW'S				926.6						

NOTES:
(1) INDIVIDUALLY NEGOTIATED CONTRACT
LOCATION: BROOKSVILLE, FLORIDA
WHEELING UTILITY: FLORIDA POWER CORP.
(2) INDIVIDUALLY NEGOTIATED CONTRACT
LOCATION: PALM BEACH, FLORIDA
WHEELING UTILITY: TECO
(3) CAPACITY FACTOR IS CALCULATED NET PENALIZING FOR SCHEDULED MAINTENANCE.

UTILITY: FLORIDA POWER & LIGHT CO.
 HISTORY AND FORECAST OF ENERGY AND CAPACITY PURCHASES
 FROM QUALIFYING FACILITIES
 AS OF OCTOBER 1, 1990

YEAR	NET TO GRID SUMMER CAPACITY (MW)		YEAR	NET TO GRID WINTER CAPACITY (MW)		YEAR	NET TO GRID		
	CONTRACTED(1)	PROJECTED(2)		(CONTRACTED)	(PROJECTED)		CONTRACTED/ PROJECTED/ ENERGY (GWH)	AS-AVAILABLE ENERGY (GWH)	TOTAL ENERGY (GWH)
FORECAST:			FORECAST:			FORECAST:			
1990	10.0	0.0	1990	10.0	0.0	1990	61.3	793.6	854.9
1991	10.0	0.0	1991	10.0	0.0	1991	61.3	1259.8	1321.1
1992	304.6	60.0	1992	304.6	60.0	1992	1982.2	542.5	2524.7
1993	304.6	110.0	1993	304.6	110.0	1993	2780.3	147.7	2928.0
1994	554.6	139.5	1994	554.6	139.5	1994	4912.8	147.7	5060.5
1995	606.6	170.0	1995	606.6	170.0	1995	5357.8	37.3	5395.1
1996	906.6	182.5	1996	906.6	182.5	1996	7768.2	37.3	7805.5
1997	906.6	195.0	1997	906.6	195.0	1997	7844.9	37.3	7882.2
1998	906.6	257.5	1998	906.6	257.5	1998	8293.9	37.3	8331.2
1999	906.6	300.0	1999	906.6	300.0	1999	8594.0	37.3	8631.3
2000	906.6	312.5	2000	906.6	312.5	2000	8670.7	37.3	8708.0
2001	906.6	325.0	2001	906.6	325.0	2001	8747.4	37.3	8784.7
2002	906.6	325.0	2002	906.6	325.0	2002	8747.4	37.3	8784.7
2003	906.6	365.0	2003	906.6	365.0	2003	9045.2	37.3	9082.5
2004	906.6	377.0	2004	906.6	377.5	2004	9121.9	37.3	9159.2
2005	896.6 (3)	390.0	2005	896.6	390.0	2005	9137.3	37.3	9174.6
2006	896.6	390.0	2006	896.6	390.0	2006	9137.3	37.3	9174.6
2007	896.6	437.5	2007	896.6	437.5	2007	9213.9	37.3	9251.2
2008	896.6	487.5	2008	896.6	487.5	2008	9290.6	37.3	9327.9
2009	896.6	500.0	2009	896.6	500.0	2009	9367.3	37.3	9404.6

NOTES:

- (1) SEE INDIVIDUAL UTILITY FORM 6.6 PAGE 1 OF 1.
- (2) SEE INDIVIDUAL UTILITY FORM 6.5 PAGES 1 & 2 OF PART 1.
- (3) IT IS ASSUMED THAT ALL CONTRACTS WILL BE RE-NEGOTIATED WITH THE EXCEPTION OF 1 LANDFILL GAS QUALIFYING FACILITY.

UTILITY: Florida Power & Light Company

INDIVIDUAL UTILITY FORM 6.8

Page 1 of 1

Summary of Scheduled Interchange Contracts
As of January 1, 1990

(1)	(2)	(3)	(4)	(5)	(6)	(7)
		<u>CONTRACT TERM</u>		<u>NET CAPABILITY - MW</u>		
<u>Purchasing Utility</u>	<u>Selling Utility</u>	<u>From Mo/Yr</u>	<u>To Mo/Yr</u>	<u>Summer</u>	<u>Winter</u>	<u>Description</u>
FPL	Southern Companies	1/83	5/95	2000 *	2000 *	Unit Power Sales Agreement
City of Key West	FPL	3/90	5/92	15 - 38	15 - 38	Short Term Firm Capacity
City of Key West	FPL	5/92	5/93	30 - 38	30 - 38	Short Term Firm Capacity
FPL	Jacksonville Elect. Auth.	3/87	Life of Plant	374	374	Joint Operating Agreement - St. Johns River Power Park
City of New Smyrna Beach	FPL	6/87	5/92	14 - 40	14 - 40	Short Term Firm Capacity

NOTES:

- * - Capability fluctuates, see FPL form 6.9
- A new Unit Power Sales Agreement was signed with the Southern Companies in July 1988. The new Agreement begins in June 1993 and extends through May 2010, with options to accelerate the purchase of up to 900 MW of capacity any time between January 1993 until June 1995.
- The contract with the City of Key West has recently been extended to May 1992. The base capacity is 15 MW, with options to purchase up to 38 MW. The sale has been at the 30 MW level since July 1987.
- The contract with the City of New Smyrna Beach began at 14 MW and was increased to 26 MW beginning January 1988, with an option to increase to 40 MW.
- FPL has Interchange Agreements with other Utilities in Florida and in the Southeastern part of the United States. These agreements provide for opportunity transactions and are therefore not included on this form.
- A New Short-Term Unit Power Sales Agreement with the Southern Companies was signed in August 1990. The new agreement begins in November 1990 and extends through December 1990, and covers 300 MW of capacity.

UTILITY: Florida Power & Light Company

INDIVIDUAL UTILITY FORM 6.9

Page 1 of 1

Scheduled Interchange
(Out of State Contracts)

(1)	(2)	(3)
<u>SUMMER CAPACITY - MW</u>		
<u>Year</u>	<u>Firm</u>	<u>Non-Firm</u>
ACTUAL:		
1988	2,048	0
1989	2,067	0
FORECASTED:		
1990	2,068	0
1991	2,215	0
1992	2,221	0
1993	1,405	0
1994	1,005	0
1995	912	0
1996	912	0
1997	912	0
1998	912	0

(4)	(5)	(6)
<u>WINTER DEMAND - MW</u>		
<u>Year</u>	<u>Firm</u>	<u>Non-Firm</u>
ACTUAL:		
1987/88	2,050	0
1988/89	2,071	0
FORECASTED:		
1989/90	2,070	0
1990/91	2,362	0
1991/92	2,213	0
1992/93	1,848	0
1993/94	1,404	0
1994/95	1,005	0
1995/96	912	0
1996/97	912	0
1997/98	912	0

(7)	(8)
<u>TOTAL ENERGY - GWH</u>	
<u>Year</u>	<u>Firm and Non-Firm</u>
ACTUAL:	
1988	10,894
1989	17,201
FORECASTED:	
1990	20,922
1991	30,066
1992	28,253
1993	25,271
1994	19,192
1995	16,838
1996	15,773
1997	15,644
1998	13,879

NOTE: These figures do not include capacity and energy projected to be received from Scherer Unit No. 4 and arising from FPL's proposed purchase of an ownership interest in the unit, since they are considered to be FPL Generation.

FORECAST: INTERCHANGE AND GENERATION BY FUEL TYPE - GWH
(BASE CASE)

		ACTUAL											
TYPE		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
INTERCHANGE	GWH	15613	21913	23441	34671	31793	29172	23298	21232	20577	20243	18498	19430
NUCLEAR	GWH	19331	17171	16562	13904	20736	19995	20287	21587	20423	20496	22504	19432
COAL	GWH	1399	1666	2064	3038	2643	3954	5551	5898	6589	6623	13085	13341
NO - TOT	GWH	14695	16134	16802	8555	5748	7725	10709	12083	12337	13765	8937	12475
STEAM	GWH	14695	16134	16802	8555	5748	7725	10709	12083	12337	13765	8937	12475
CC	GWH												
GT	GWH												
DIESEL	GWH												
LO - TOT	GWH	31	197	74	6	7	20	22	40	22	91	30	65
STEAM	GWH												
CC	GWH	8	20										
GT	GWH	23	177	74	6	7	20	22	40	22	91	30	65
DIESEL	GWH												
HG - TOT	GWH	13429	12438	12548	12585	13079	15015	15900	16291	16628	16929	16536	16786
STEAM	GWH	11264	9976	10088	9606	10956	11834	10609	8816	9075	9745	3983	3997
CC	GWH	2126	2322	2247	2953	2096	3134	5230	7444	7533	13121	12521	12761
GT	GWH	39	140	213	27	27	47	61	31	20	58	32	28
DIESEL	GWH												
COG & SPP	GWH	218	437	222	1485	2743	2767	4478	4802	6734	6795	7176	7439
NET	GWH	64716	69956	71713	74244	76749	78648	80245	81933	83310	84942	86766	88968

NOTE: ALT FUEL INCLUDES ONE OR A COMBINATION OF THE FOLLOWING FUELS: A) RESIDUAL OIL, B) NATURAL GAS, C) COAL GAS, D) COAL LIQUIFICATION PRODUCTS, E) COAL (WHERE APPLICABLE), OR F) OTHER APPROPRIATE FUEL. CONSUMPTION WOULD DEPEND ON RELATIVE FUEL ECONOMICS.

FORECAST: INTERCHANGE AND GENERATION BY FUEL TYPE - GWH
(SENSITIVITY 1)

		ACTUAL											
TYPE		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
INTERCHANGE GWH		15613	21913	23441	34671	32006	29529	23603	21445	20783	20430	18934	19750
NUCLEAR	GWH	19331	17171	16562	13904	20736	19995	20287	21587	20423	20497	22504	19432
COAL	GWH	1399	1666	2064	3038	2658	3972	5566	5946	6634	6658	13201	13431
NO - TOT	GWH	14695	16134	16802	8555	5850	8018	11702	13320	13671	15230	10386	14313
STEAM	GWH	14695	16134	16802	8555	5843	8018	11702	13320	13671	15230	10386	14313
CC	GWH												
GT	GWH												
DIESEL	GWH												
LO - TOT	GWH	31	197	74	6	7	20	25	46	22	91	41	77
STEAM	GWH												
CC	GWH	8	20										
GT	GWH	23	177	74	6	7	20	25	46	22	91	41	77
DIESEL	GWH												
NG - TOT	GWH	13429	12438	12548	12585	13125	15029	15880	16515	16709	16983	16647	16912
STEAM	GWH	11264	9976	10088	9606	11001	11834	10633	11807	9067	9400	9461	9552
CC	GWH	2126	2322	2247	2953	2098	3148	5178	7471	7621	7540	7155	7326
GT	GWH	39	140	213	27	27	47	68	36	21	43	31	35
DIESEL	GWH												
COG & SPP	GWH	218	437	806	1485	2374	2092	3625	3760	5615	5600	5600	5600
REL		64716	69956	71713	74244	76756	78655	80688	82419	83857	85489	87313	89515

NOTE: ALT FUEL INCLUDES ONE OR A COMBINATION OF THE FOLLOWING FUELS: A) RESIDUAL OIL, B) NATURAL GAS, C) COAL GAS, D) COAL LIQUIFICATION PRODUCTS, E) COAL (WHERE APPLICABLE), OR F) OTHER APPROPRIATE FUEL. CONSUMPTION WOULD DEPEND ON RELATIVE FUEL ECONOMICS.

FORECAST: INTERCHANGE AND GENERATION BY FUEL TYPE - % OF GWH
(BASE CASE)

TYPE	ACTUAL											
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
INTERCHANGE %	24.1	31.3	32.7	46.7	41.4	37.1	29.0	25.9	24.7	23.8	21.3	21.8
NUCLEAR %	29.9	24.5	23.1	18.7	27.0	25.4	25.3	26.3	24.5	24.1	25.9	21.8
COAL %	2.2	2.4	2.9	4.1	3.4	5.0	6.9	7.2	7.9	7.8	15.1	15.0
NG - TOT %	22.7	23.1	23.4	11.5	7.5	9.8	13.3	14.7	14.8	16.2	10.3	14.0
STEAM %	22.7	23.1	23.4	11.5	7.5	9.8	13.3	14.7	14.8	16.2	10.3	14.0
CC %												
GT %												
DIESEL %												
LD - TOT %	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
STEAM %												
CC %												
GT %	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
DIESEL %												
NG - TOT %	20.8	17.8	17.5	17.0	17.0	19.1	19.8	19.9	20.0	19.2	17.1	18.9
STEAM %	17.4	14.3	14.1	12.9	14.3	15.0	13.2	16.8	10.9	4.4	4.6	4.5
CC %	3.3	3.3	3.1	4.0	2.7	4.0	6.5	9.1	9.0	15.4	14.4	14.3
GT %	0.1	0.2	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0
DIESEL %												
COG & SPP %	0.3	0.6	0.3	2.0	3.6	3.5	5.6	5.9	8.1	8.0	8.3	8.4
NEL %	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

NOTE: ALT FUEL INCLUDES ONE OR A COMBINATION OF THE FOLLOWING FUELS: A) RESIDUAL OIL, B) NATURAL GAS, C) COAL GAS, D) COAL LIQUIFICATION PRODUCTS, E) COAL (WHERE APPLICABLE), OR F) OTHER APPROPRIATE FUEL. CONSUMPTION WOULD DEPEND ON RELATIVE FUEL ECONOMICS. NUMBERS MAY NOT ADD UP DUE TO ROUNDING.

FORECAST: INTERCHANGE AND GENERATION BY FUEL TYPE - % OF GWH
(SENSITIVITY 1)

TYPE	ACTUAL											
	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
INTERCHANGE %	24.1	31.3	32.7	46.7	41.7	37.5	29.3	26.0	24.8	23.9	21.7	22.1
NUCLEAR %	29.9	24.5	23.1	18.7	27.0	25.4	25.1	26.2	24.4	24.0	25.8	21.7
COAL %	2.2	2.4	2.9	4.1	3.5	5.0	6.9	7.2	7.9	7.8	15.1	15.0
NO - TOT %	22.7	23.1	23.4	11.5	7.6	10.2	14.5	16.2	16.3	17.8	11.9	16.0
STEAM %	22.7	23.1	23.4	11.5	7.6	10.2	14.5	16.2	16.3	17.8	11.9	16.0
CC %												
GT %												
DIESEL %												
LO - TOT %	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1
STEAM %												
CC %												
GT %	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1
DIESEL %												
NG - TOT %	20.8	17.8	17.5	17.0	17.1	19.1	19.7	19.8	19.9	19.9	19.1	18.9
STEAM %	17.4	14.3	14.1	12.9	14.3	15.0	13.2	10.7	10.8	11.0	10.8	10.7
CC %	3.3	3.3	3.1	4.0	2.7	4.0	6.4	9.1	9.1	8.8	8.2	8.2
GT %	0.1	0.2	0.3	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0
DIESEL %												
COG & SPP %	0.3	0.6	0.3	2.0	3.1	2.7	4.5	4.6	6.7	6.6	6.4	6.3
NET %	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

NOTE: ALT FUEL INCLUDES ONE OR A COMBINATION OF THE FOLLOWING FUELS: A) RESIDUAL OIL, B) NATURAL GAS, C) COAL GAS, D) COAL LIQUIFICATION PRODUCTS, E) COAL (WHERE APPLICABLE), OR F) OTHER APPROPRIATE FUEL. CONSUMPTION WOULD DEPEND ON RELATIVE FUEL ECONOMICS. NUMBERS MAY NOT ADD UP DUE TO ROUNDING.

FORECAST: FUEL REQUIREMENTS
(BASE CASE)

		ACTUAL											
TYPE		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
NUCLEAR	10E12 BTU		189	577	151	227	219	222	236	224	226	247	213
COAL	10E3 TON	548	654	788	1196	1027	1556	2208	2358	2630	2644	4804	4906
NO - TOT	10E3 BBL	26191	25495	22302	14091	10369	12919	17763	18971	19408	21550	14102	19569
STEAM	10E3 BBL	26191	25495	22302	14091	10369	12919	17763	18971	19408	21550	14102	19569
CC	10E3 BBL												
GT	10E3 BBL												
DIESEL	10E3 BBL												
LO - TOT	10E3 BBL	86	521	186	13	15	43	48	94	49	210	66	147
STEAM	10E3 BBL	10	17	6									
CC	10E3 BBL	13	44	6									
GT	10E3 BBL	63	460	174	13	15	43	48	94	49	210	66	147
DIESEL	10E3 BBL												
WG - TOT	10E6 CF	116432	131147	131482	127470	132079	138228	142303	142921	144557	150040	147267	149570
STEAM	10E6 CF	95407	106394	105741	98566	112151	107482	95162	77598	80583	38769	40965	41036
CC	10E6 CF	20361	22406	22157	28462	19475	29963	46116	64404	65648	110284	105784	108058
GT	10E6 CF	664	2347	3585	442	453	783	1025	520	326	987	538	475
DIESEL	10E6 CF												
ANNUAL AVERAGE NET FOSSIL HR BTU/KWH		9883	10234	9775	9689	9646	9199	9156	9097	9120	9160	9040	9104

UTILITY: FLORIDA POWER & LIGHT CO.

INDIVIDUAL UTILITY FORM 7.3

PAGE 2 OF 2

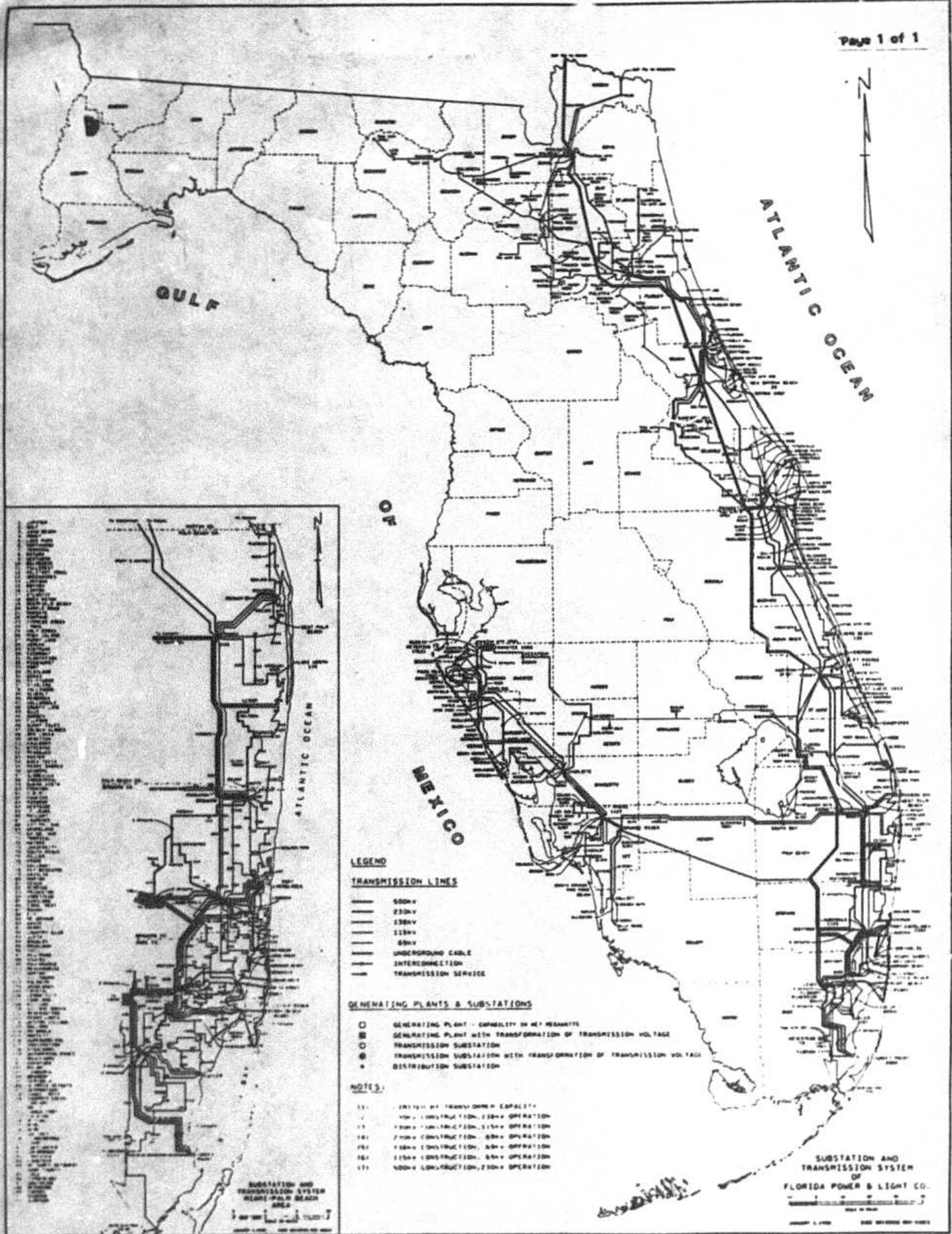
FORECAST: FUEL REQUIREMENTS
(SENSITIVITY 1)

		ACTUAL											
TYPE		1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
NUCLEAR	10E12 BTU		189	577	150	227	219	222	236	224	224	247	213
COAL	10E3 TON	548	654	788	1196	1033	1563	2214	2377	2648	2658	4850	4941
NO - TOT	10E3 BBL	26191	25495	22302	14091	10521	13372	18608	20092	20626	22931	15491	21567
STEAM	10E3 BBL	26191	25495	22302	14091	10521	13372	18608	20092	20626	22931	15491	21567
CC	10E3 BBL												
GT	10E3 BBL												
DIESEL	10E3 BBL												
LO - TOT	10E3 BBL	86	521	183	13	15	43	55	108	50	205	95	173
STEAM	10E3 BBL	10	17	6									
CC	10E3 BBL	13	44	6									
GT	10E3 BBL	63	460	174	13	15	43	55	108	50	205	95	173
DIESEL	10E3 BBL												
NG - TOT	10E6 CF	116432	131147	131482	127470	132500	138351	142133	143342	147187	150470	148136	150541
STEAM	10E6 CF	95407	106394	105741	98566	112565	107464	95423	78122	80479	81354	85313	85873
CC	10E6 CF	20361	22406	22157	28462	19485	30099	45557	64615	66392	65389	62300	64074
GT	10E6 CF	664	2347	3585	442	450	788	1152	605	346	727	523	594
DIESEL	10E6 CF												
ANNUAL AVERAGE NET FOSSIL HR BTU/KWH		9883	10234	9775	9689	9646	9207	9166	9110	9131	9168	9054	9119

UTILITY: FLORIDA POWER & LIGHT CO.
 CERTIFIED AND PROPOSED BULK POWER LINES *
 AS OF OCTOBER 1, 1990

(1) FROM	(2) TERMINALS TO	(3) LINE LENGTH (MILES)	(4) NOMINAL VOLTAGE - KV		(5) DESIGN	(6) CONSTRUCTION START (MO/YR)	(7) COMMERCIAL IN-SERVICE (MO/YR)	(8) PURPOSE	(9) STATUS
			OPERATIONAL	CONSTRUCTION					
LEWEE	NEWTON	6.50	230	230	230	9/90	8/91	NEW LOAD	CR
DAVIS	NEWTON	15.50	230	230	230	9/90	10/91	NEW LOAD	CR
MOTION	BASSCREEK	7.00	230	230	230	6/82	6/93	NEW LOAD	CR
CEGAR	JOG	11.50	230	230	230	7/89	6/91	AREA LOAD GROWTH	CR
CRANE	FLORISSIS	31.00	230	230	230	6/91	6/92	NEW LOAD	C
CELLIER	CRANIE RIVER #2**	5.00	230	230	230	8/90	6/91	EXPAND TO CELLIER SUB	CR
HUBBARD	LAURELWOOD	13.40	230	230	230	6/91	6/92	NEW LOAD/RELIABILITY	CR
HUBBARD	RUNKLING	8.10	230	230	230	6/91	6/92	NEW LOAD/RELIABILITY	CR
MANASSE	RUNKLING #1**	1.00	230	230	230	10/91	6/94	LOOP INTO JOHNSON SUB	CR
COAST	PEACHLAND	6.30	230	230	230	6/92	12/94	RELIABILITY	CR
COAST	POTOKA	19.40	230	230	230	6/92	12/94	RELIABILITY	CR
HOBE	INDIAN TOWN #2	16.24	230	230	230	8/92	6/93	RELIABILITY	CR
CLAMFA HEIGHTS	COCONUT GROVE	6.60	230	230	230	6/92	6/96	RELIABILITY	CR
MARTIN	INDIAN TOWN #2	13.00	230	230	230	8/92	6/93	MARTIN SITE INTERCONNECTION	CR
MALABAR	WICKHAM	3.00	230	230	230	7/90	6/93	AREA LOAD GROWTH	CR
BREWARD	WICKHAM	3.00	230	230	230	7/90	6/93	AREA LOAD GROWTH	CR
O'NEIL	YULEE	8.00	230	230	230	1/91	6/92	AREA LOAD GROWTH	CR
CORRETT	MIDWAY	20.00	500	500	500	1/92	2/94	NEW LOAD/RELIABILITY	C
CORRETT	LEWEE	57.10	500	500	500	1/92	2/94	NEW LOAD/RELIABILITY	C
CORRETT	MARTIN #2	33.60	500	500	500	1/92	2/94	NEW LOAD/RELIABILITY	C
CORRETT	CONSERVATION	25.60	500	500	500	1/92	6/94	NEW LOAD/RELIABILITY	C
CONSERVATION	LEWEE	11.20	500	500	500	1/92	6/94	NEW LOAD/RELIABILITY	C
CORRETT	MARTIN #1	0.20	500	500	500	1/92	2/94	NEW LOAD/RELIABILITY	C
MARTIN	MIDWAY	7.70	500	500	500	1/92	2/94	NEW LOAD/RELIABILITY	C

C - CERTIFIED
 CR - CERTIFICATION NOT REQUIRED
 CR - CERTIFICATION REQUIRED
 * 230KV AND HIGHER ONLY
 ** DOUBLE CIRCUIT



GULF

ATLANTIC OCEAN

AO

MEXICO

LEGEND

TRANSMISSION LINES

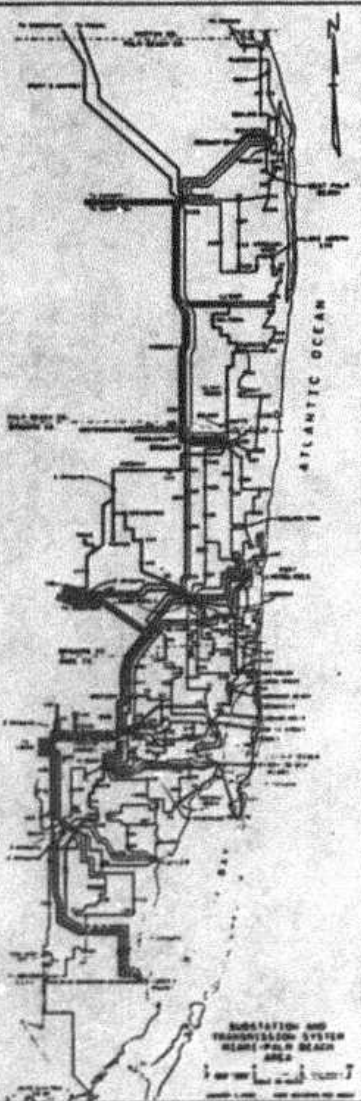
- 500kV
- 230kV
- 138kV
- 115kV
- 60kV
- UNDERGROUND CABLE
- INTERCONNECTION
- TRANSMISSION SERVICE

GENERATING PLANTS & SUBSTATIONS

- GENERATING PLANT - CAPABILITY IN KEY REMARKS
- ◻ GENERATING PLANT WITH TRANSFORMATION OF TRANSMISSION VOLTAGE
- TRANSMISSION SUBSTATION
- ◻ TRANSMISSION SUBSTATION WITH TRANSFORMATION OF TRANSMISSION VOLTAGE
- DISTRIBUTION SUBSTATION

NOTES:

- (1) 115kV BY TRANSFORMER CAPACITY
- (2) 138kV CONSTRUCTION, 138kV OPERATION
- (3) 138kV CONSTRUCTION, 115kV OPERATION
- (4) 138kV CONSTRUCTION, 60kV OPERATION
- (5) 115kV CONSTRUCTION, 60kV OPERATION
- (6) 500kV CONSTRUCTION, 230kV OPERATION



SUBSTATION AND TRANSMISSION SYSTEM MIAMI-FORAL BEACH AREA

SUBSTATION AND TRANSMISSION SYSTEM OF FLORIDA POWER & LIGHT CO.

SCALE 1:50,000