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October 12, 2001

Ms. Blanca S. Bayo, Director
Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

VIA FEDERAL EXPRESS

COMMISSION
CLERK

01 OCT 15 PM 12:33

RECEIVED-FPSC

In re: Review of Florida Power Corporation's earnings, including effects of proposed acquisition of Florida Power Corporation by Carolina Power & Light
Docket No: 000824-EI

Dear Ms. Bayo:

Florida Power Corporation ("FPC" or the "Company") is filing herewith are the original and two (2) copies of Florida Power Corporation's Notice of Filing, disc and twenty (20) copies of Florida Power Corporation's Balance of Section A and Section F, Minimum Filing Requirements - Projected Test Year 2001, 10/15/01 Filing.

We request you acknowledge receipt and filing of the above by stamping the additional copy of this letter and returning it to me in the self-addressed, stamped envelope provided.

If you or your Staff have any questions regarding this filing, please contact me at (727) 821-7000.

Very truly yours,

Gary L. Sasso
Gary L. Sasso
je

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Enclosures

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FPSC-COMMISSION CLERK

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Review of Florida Power Corporation's Earnings, Including Effects of Proposed Acquisition of Florida Power Corporation by Carolina Power & Light

DOCKET NO. 000824-EI

Submitted for Filing:
October 15, 2001

FLORIDA POWER CORPORATION'S NOTICE OF FILING

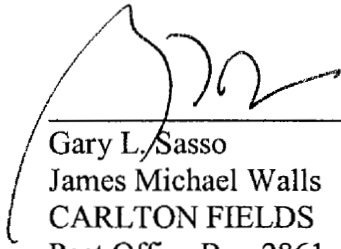
Florida Power Corporation ("Florida Power") hereby gives notice that, at this time, Florida Power is submitting herewith:

Balance of Section A and Section F - Minimum Filing Requirements – Projected Test Year 2002, 10/15/01 Filing

I HEREBY CERTIFY that a true copy of foregoing Notice and its attachment have been furnished via U.S. Mail to all counsel of record (where indicated by **) on the attached service list. All other parties of record have been furnished a copy of this notice this 12th day of October, 2001.

Respectfully submitted,

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DOCUMENT NUMBER-DATE
13059 OCT 15 01
FPSC-COMMISSION CLERK

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PSC DOCKET NO. 000824-EI

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BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION



Florida Power
A Progress Energy Company

DOCKET NO. 000824-EI

**BALANCE OF SECTION A AND SECTION F
MINIMUM FILING REQUIREMENTS**

10/15/01 FILING

PROJECTED TEST YEAR 2002

DOCUMENT NUMBER-DATE

13059 OCT 15 2001

FPSC-COMMISSION CLERK

Florida Power Corporation
Docket No. 000824-EI
Minimum Filing Requirements
Projected Test Year 2002
10/15/2001 Filing

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FLORIDA PUBLIC SERVICE COMMISSION	Explanation.	Provide a brief summary of the highlights of the case, supplemented by the following schedule Describe requested rate making approaches that differ from a) those used in the Company's last rate case, and b) those used in recent Commission orders Itemize issues being raised which have not previously been addressed including new rate design	Type of data shown	
Company FLORIDA POWER CORPORATION			XX Projected Test Year Ended	12/31/2002
			___ Prior Year Ended	xx/xx/xxxx
Docket No 000824-EI			Witness	Myers
** Per Order PSC-92-1197-FOF-EI, Docket No 910890-EI				

Line No	(A) Description	(B) Current Rate Case Requested	(C) Last Rate Case ** Authorized	(D) Difference (B) - (C)	(E) Percent Difference (D) / (C)
1	Docket Number	000824-EI	910890-EI	-	-
2	Test Year	2002	1993	-	-
3					
4	Rate Inc/(Decr) - Permanent (Gross Annual Revenues)	\$0	\$ 85,757	\$ (85,757)	-100.00%
5					
6	Rate Increase - Interim (Gross Annual Revenues)	-	-	-	-
7					
8	Jurisdictional Rate Base Before				
9	Rate Increase (Test Year)	3,665,497	3,179,393	486,104	15.29%
10					
11	Jurisdictional Net Operating Income Before				
12	Rate Increase (Test Year)	359,551	212,756	146,795	69.00%
13					
14	Rate of Return Earned (Test Year)	9.81%	6.69%	3.12%	46.64%
15					
16	Overall Rate of Return (Cost of Capital)	9.81%	8.37%	1.44%	17.19%
17					
18	Cost of Long Term Debt				
19	Fixed Rate	7.14%	8.26%	-1.12%	-13.51%
20	Variable Rate	4.92%	6.11%	-1.19%	-19.48%
21					
22	Cost of Preferred Stock	4.51%	7.18%	-2.67%	-37.14%
23					
24	Cost of Short Term Debt	4.92%	4.00%	0.92%	23.00%
25					
26	Cost of Customer Deposits	6.13%	8.23%	-2.10%	-25.56%
27					
28	Cost of Common Equity	13.20%	12.00%	1.20%	10.00%
29					
30	Number of Retail Customers - Average (Test Year)	1,455,615	1,217,404	238,211	19.57%
31					
32	MWH Sales (thousands)	37,116,108	27,320,506	9,795,602	35.85%
33					
34	Date New Permanent Rates Effective	TBD	Nov 1, 1993		

FLORIDA PUBLIC SERVICE COMMISSION	Explanation: Provide a brief summary of the highlights of the case, supplemented by the following schedule. Describe requested rate making approaches that differ from a) those used in the Company's last rate case, and b) those used in recent Commission orders. Itemize issues being raised which have not previously been addressed including new rate design.	Type of data shown:
Company FLORIDA POWER CORPORATION		XX Projected Test Year Ended 12/31/2002
Docket No. 000824-EI		___ Prior Year Ended xx/xx/xxxx
		Witness: Myers

Line	
No.	
1	
2	<u>Summary of Case Highlights</u>
3	
4	Florida Power Corporation (FPC) is a subsidiary of Florida Progress Corporation. On November 30, 2000, Florida Progress became a subsidiary of Progress Energy through acquisition of Florida Progress by
5	Carolina Power & Light Company (CP&L), an investor-owned utility company. On December 4, 2000, the consolidated company was renamed Progress Energy.
6	
7	FPSC Order No. PSC-01-1348-PCO-EI required FPC to file MFRs using year 2002 as the test year. Subsequently, FPSC Order No. PSC-01-1534-PCO-EI outlined the specific content and timing of the MFRs.
8	Per FPC's MFR filing, no revenue increase or decrease is requested. However, FPC is proposing a \$5 million net utility synergy savings rate credit per year, over 15 years, to retail customers along with an
9	Earnings Sharing Mechanism as outlined in the Direct Testimony of Charles J. Cicchetti, Ph.D. filed September 14, 2001.
10	
11	
12	<u>Cost Allocation Methodology</u>
13	
14	Transmission costs were assigned on a 12 CP method as opposed to a 12 CP and 1/13th AD method used in the last approved study. A more detailed assignment was made in the current cost allocation study of
15	production energy related O&M expenses to stratified wholesale customers. The demand allocation factors for the Jurisdictional Separation Study were developed on the 12 CP method, utilized consistently for many
16	years in rate cases before both the FPSC and FERC. The Company has included in its filing 3 Retail Class Cost of Service and Rate of Return Studies. Each Volume includes a different Production Capacity
17	Allocation Method: 12 CP and 1/13th Average Demand, 12CP and 25% Average Demand and 12 CP and 50% Average Demand.
18	
19	
20	<u>New Rate Design</u>
21	Proposed Rate Design will be addressed by the Company in the portion of the filing required to be provided on 11/15/01.
22	

2

FLORIDA PUBLIC SERVICE COMMISSION
 Explanation. Provide the following statistical data for the company
 by calendar year for the most recent 5 years.
 Type of data shown:
 Company. FLORIDA POWER CORPORATION
 ___ Projected Test Year Ended xx/xx/xxxx
 XX Prior Year Ended 12/31/2000
 Docket No. 000824-EI
 Witness: Myers

Line No.	ITEM	(A) 2000	(B) 1999	(C) 1998	(D) 1997	(E) 1996	(F) AVERAGE ANNUAL GROWTH RATE
1	LEVEL AND ANNUAL GROWTH RATES:						
2	PEAK LOAD (MW)	8,261	7,953	6,923	6,937	6,719	5.30%
3	PEAK LOAD PER CUSTOMER (KW)	5.9	5.8	5.2	5.3	5.2	3.21%
4	ENERGY SALES (MWH)	40,041,065	38,297,266	37,251,077	33,289,873	33,492,528	4.57%
5	ENERGY SALES PER CUSTOMER (KWH)	28,595	27,930	27,782	25,325	25,922	2.48%
6	NUMBER OF CUSTOMERS	1,400,299	1,371,206	1,340,853	1,314,508	1,292,075	2.03%
7	INSTALLED GENERATING CAPACITY (MW)	9,181	8,532	7,984	7,992	7,777	4.24%
8	POPULATION OF SERVICE AREA	5,152,262	5,012,899	4,894,503	4,801,846	4,704,102	2.30%
9							
10	DOLLAR AMOUNTS IN CURRENT DOLLARS &						
11	ANNUAL GROWTH RATES FOR:						
12	FUEL COST PER KWH GENERATED	\$ 0.0240	\$ 0.0189	\$ 0.0181	\$ 0.0221	\$ 0.0202	4.40%
13	O&M EXPENSE LESS FUEL & ECCR PER KWH SOLD	\$ 0.0134	\$ 0.0126	\$ 0.0133	\$ 0.0165	\$ 0.0134	0.00%
14	CAPITAL COST PER INSTALLED KW CAP	\$ 363.00	\$ 378.00	\$ 357.00	\$ 352.00	\$ 345.00	1.28%
15	REVENUE PER KWH SOLD	\$ 0.0722	\$ 0.0687	\$ 0.0711	\$ 0.0735	\$ 0.0715	0.24%
16	A & G EXPENSE PER KWH SOLD	\$ 0.0031	\$ 0.0016	\$ 0.0024	\$ 0.0030	\$ 0.0032	-0.79%
17							
18	DOLLAR AMOUNTS IN REAL TERMS						
19	(CONSTANT 2000 DOLLAR)*						
20	AND ANNUAL GROWTH RATES FOR:						
21	FUEL COSTS PER KWH GENERATED	\$ 0.0240	\$ 0.0195	\$ 0.0191	\$ 0.0237	\$ 0.0222	1.97%
22	O&M EXPENSE LESS FUEL & ECCR PER KWH SOLD	\$ 0.0134	\$ 0.0130	\$ 0.0141	\$ 0.0177	\$ 0.0147	-2.29%
23	CAPITAL COST PER INSTALLED KW CAP	\$ 363.00	\$ 390.71	\$ 377.15	\$ 377.66	\$ 378.64	-1.05%
24	REVENUE PER KWH SOLD	\$ 0.0722	\$ 0.0710	\$ 0.0751	\$ 0.0789	\$ 0.0785	-2.07%
25	A & G EXPENSE PER KWH SOLD	\$ 0.0031	\$ 0.0017	\$ 0.0025	\$ 0.0032	\$ 0.0035	-2.99%
26							
27	*AVERAGE CONSUMER PRICE INDEX	172.2	166.6	163.0	160.5	156.9	

FLORIDA PUBLIC SERVICE COMMISSION Explanation Provide the following statistical data for the company Type of data shown.
 by calendar year for the most recent 5 years.

Company: FLORIDA POWER CORPORATION ___ Projected Test Year Ended xx/xx/xxxx
 XX Prior Year Ended 12/31/2000
 Docket No. 000824-EI Witness: Myers

Line No.	ITEM	(A) 2000	(B) 1999	(C) 1998	(D) 1997	(E) 1996
1						
2	DIST OF TOTAL INSTALLED GEN CAP:					
3	GEN PLANT BY TYPE OF PRIME MOVER					
4	STEAM	55.41%	58.58%	62.60%	62.54%	64.27%
5	OTHER	44.59%	41.42%	37.40%	37.46%	35.73%
6	TOTAL	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>
7						
8	GENERATED ENERGY BY TYPE OF FUEL:					
9	NUCLEAR	19.82%	17.95%	18.89%	0.00%	9.05%
10	COAL	43.27%	44.02%	47.99%	65.12%	63.00%
11	OIL	18.65%	21.78%	24.83%	25.58%	23.57%
12	GAS	18.26%	16.25%	8.29%	9.30%	4.39%
13	OTHER	0.00%	0.00%	0.00%	0.00%	0.00%
14	TOTAL	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.01%</u>
15						
16						
17	AVERAGE CUSTOMER BY CUSTOMER TYPE:					
18	RESIDENTIAL	88.14%	88.15%	88.21%	88.29%	88.36%
19	COMMERCIAL	10.25%	10.23%	10.17%	10.08%	10.02%
20	INDUSTRIAL	0.18%	0.19%	0.20%	0.22%	0.23%
21	OTHER RETAIL SALES	1.43%	1.42%	1.42%	1.41%	1.39%
22	SALES FOR RESALE	0.00%	0.00%	0.00%	0.00%	0.00%
23	TOTAL	<u>100.00%</u>	<u>99.99%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>
24						
25						

FLORIDA PUBLIC SERVICE COMMISSION
 Explanation: Provide a schedule showing the change in cost, by functional group, for the last five years
 Type of data shown
 Company FLORIDA POWER CORPORATION
 Docket No 000824-EI
 ___ Projected Test Year Ended xx/xx/xxxx
 XX Prior Year Ended 12/31/2000
 Witness: Myers

Line No.	(A) Description of Functional Group	(B) Type of Cost	(C) 1996		(F) 1997		(I) 1998		(K)	
			Dollars	% Change	Dollars	% Change	Dollars	% Change		
			(\$000)	Prior Year	(\$000)	Prior Year	(\$000)	Prior Year		
1										
2	Fuel	Variable	\$ 412,125	-4.6%	\$ 437,190	6.1%	\$ 586,812	34.2%		
3	Purchase Power & Interchange	Variable	533,991	21.2%	516,543	-3.3%	446,887	-13.5%		
4	Energy Conservation	Variable	62,626	-25.4%	67,006	7.0%	79,590	18.8%		
5	Production	Variable	167,420	0.3%	276,193	65.0%	217,280	-21.3%		
6	Transmission	Variable	16,543	22.1%	15,360	-7.2%	22,923	49.2%		
7	Distribution	Variable	53,010	2.0%	60,431	14.0%	66,216	9.6%		
8	Customer Account Expense	Variable	53,231	23.5%	50,166	-5.8%	55,039	9.7%		
9	Customer Service-Other/Base Rec	Variable	5,078	-7.7%	3,341	-34.2%	3,384	1.3%		
10	Sales Expense	Variable	6,339	3277.1%	9,697	53.0%	11,909	22.8%		
11	Administrative & General	Variable	106,901	-0.6%	102,025	-4.6%	90,708	-11.1%		
12	Depreciation	Fixed	324,172	10.4%	399,229	23.2%	352,241	-11.8%		
13	Taxes	Variable	319,434	4.5%	263,539	-17.5%	343,814	30.5%		
14	Interest (w/o AFUDC)	Variable	98,409	-5.9%	117,349	19.2%	136,450	16.3%		
15										
16			<u>\$ 2,159,280</u>	5.4%	<u>\$ 2,318,069</u>	7.4%	<u>\$ 2,413,254</u>	4.1%		
17	Total									
18										
19										
20										
21										
22										
23										
24	* Dollars shown are for the Twelve Months Ended December 31.									
25										
26										
27										

FLORIDA PUBLIC SERVICE COMMISSION
 Explanation: Provide a schedule showing the change in cost, by functional group, for the last five years.
 Type of data shown:
 Company: FLORIDA POWER CORPORATION
 Docket No. 000824-EI
 ___ Projected Test Year Ended xx/xx/xxxx
 XX Prior Year Ended 12/31/2000
 Witness: Myers

Line No.	(A) Description of Functional Group	(B) Type of Cost	(C) 1999		(F) 2000		(H)	(I)	(J)	(K)
			Dollars	(D) % Change	Dollars	(G) % Change				
			(\$000)	Prior Year	(\$000)	Prior Year				
1										
2	Fuel	Variable	\$ 599,558	2.2%	\$ 697,902	16.4%				
3	Purchase Power & Interchange	Variable	414,129	-7.3%	504,033	21.7%				
4	Energy Conservation	Variable	81,215	2.0%	65,041	-19.9%				
5	Production	Variable	215,007	-1.0%	217,549	1.2%				
6	Transmission	Variable	33,366	45.6%	30,065	-9.9%				
7	Distribution	Variable	76,643	15.7%	77,243	0.8%				
8	Customer Account Expense	Variable	58,534	6.4%	55,050	-6.0%				
9	Customer Service-Other/Base Rec	Variable	3,753	10.9%	2,973	-20.8%				
10	Sales Expense	Variable	14,798	24.3%	12,905	-12.8%				
11	Administrative & General	Variable	60,691	-33.1%	126,318	108.1%				
12	Depreciation	Fixed	347,515	-1.3%	402,625	15.9%				
13	Taxes	Variable	352,194	2.4%	360,684	2.4%				
14	Interest (w/o AFUDC)	Variable	123,952	-9.2%	128,479	3.7%				
15										
16			<u>\$ 2,381,357</u>	-1.3%	<u>\$ 2,680,867</u>	12.6%				
17	Total									
18										
19										
20										
21										
22										
23										
24	* Dollars shown are for the Twelve Months Ended December 31.									
25										
26										
27										

FLORIDA PUBLIC SERVICE COMMISSION	Explanation: Provide a summary of jurisdictional rate base as requested for the test year as compared to jurisdictional rate base as determined by the Commission in the previous full rate case.	Type of Data Shown:
Company: FLORIDA POWER CORPORATION		XX Current Test Year Ended 12/31/2002
		__ Prior Year Ended xx/xx/xxxx
Docket No 000824-EI		Witness: Myers

	(A)	(B)	(C)	(D)	(E)	(F)
Line No.	Rate Base Component	Jurisdictional Rate Base as Requested by Company in Current Case Test Year 2002 (000)	Jurisdictional Rate Base as Determined by Commission in Last Case Test Year 1993 (a) (000)	Dollar Difference (B)-(C) (000)	Percentage Difference (D)/(C) (%)	Compound Annual Growth Rate (%)
1	Plant in Service	6,876,125	4,593,506	2,282,619	49.69%	4.58%
2						
3	Accumulated Depreciation and Amortization	(3,414,348)	(1,609,547)	(1,804,801)	112.13%	8.71%
4						
5	Net Plant in Service	3,461,777	2,983,959	477,818	16.01%	1.66%
6						
7	CWIP - No AFUDC	72,527	82,921	(10,394)	-12.53%	-1.48%
8						
9	Plant Purch/Sold & Held for Future Use	6,426	2,363	4,063	171.94%	11.76%
10						
11	Nuclear Fuel (Net)	47,554	50,470	(2,916)	-5.78%	-0.66%
12						
13	Total Net Plant	3,588,284	3,119,713	468,571	15.02%	1.57%
14						
15	Total Working Capital	77,213	59,680	17,533	29.38%	2.90%
16						
17	Other Rate Base - Gain on Disp of Prop	-	-	-		
18						
19	Regulatory Practice Reconciliation	-	-	-		
20						
21	Total Rate Base	3,665,497	3,179,393	486,104	15.29%	1.59%
22						
23						

(a) Per Order PSC-92-1197-FOF-EI, Docket No. 910890-EI

FLORIDA PUBLIC SERVICE COMMISSION	Explanation: Provide a summary of jurisdictional net operating income requested for the test year as compared to jurisdictional net operating income as determined by the Commission in the previous full rate case	Type of data shown
Company FLORIDA POWER CORPORATION		XX Projected Test Year Ended 12/31/2002 ___ Prior Year Ended xx/xx/xxxx Witness: Myers
Docket No 000824-EI		

	(A) Capital Structure	(B) Jurisdictional Net Operating Income As Requested by Company In Current Case, Excluding Fuel & Conservation 12 Months Ended 12/31/2002 (thousands)	(C) Jurisdictional Net Operating Income As Determined by Commission In Last Case Excluding Fuel & Conservation 12 Months Ended 12/31/1993** (thousands)	(D) Dollar Difference (B) - (C) (thousands)	(E) Percentage Difference (D) / (C) (percent)	(F) Compound Annual Growth Rate (percent)
1	Operating Revenues	\$ 1,434,802	\$ 974,008	\$ 460,794	47.31%	4.40%
2						
3	Operating and Maintenance Expense	503,133	408,942	94,191	23.03%	2.33%
4						
5	Depreciation and Amortization	323,658	226,109	97,549	43.14%	4.07%
6						
7	Taxes Other Than Income Taxes	92,870	71,760	21,110	29.42%	2.91%
8						
9	Income Taxes	157,332	54,711	102,621	187.57%	12.45%
10						
11	Regulatory Practice Reconciliation	-	(204)	204	-100.00%	-100.00%
12						
13	Total Operating Expenses	<u>1,076,993</u>	<u>761,318</u>	<u>315,675</u>	41.46%	3.93%
14						
15	Operating Income	357,809	212,690	145,119	68.23%	5.95%
16						
17	(Gain)/Loss on Disposition of Property	(1,742)	(66)	(1,676)	2539.39%	43.86%
18						
19	(Gain)/Loss on Reaquired Bonds	-	-	0		
20						
21	Net Operating Income	<u>\$ 359,551</u>	<u>\$ 212,756</u>	<u>\$ 146,795</u>	69.00%	6.00%
22						
23	** Per order 92-1197-FOF-EI, Docket No. 910890-EI					

FLORIDA PUBLIC SERVICE COMMISSION	Explanation:	Provide a summary of jurisdictional capital structure as requested for the test year as compared to the jurisdictional capital structure as determined by the Commission in the previous rate case.	Type of data shown:
Company FLORIDA POWER CORPORATION			XX Projected Test Year Ended 12/31/2002 ___ Prior Year Ended xx/xx/xxxx Witness. Myers
Docket No 000824-EI			

Line No	(A) Capital Structure	(B) Jurisdictional Capital Structure In Current Case 13 Month Average Ended 12/31/2002 (thousands)	(C) Jurisdictional Capital Structure As Determined by Commission in Last Case** 13 Month Average Ended 12/31/1993 (thousands)	(D) Dollar Difference (B) - (C) (thousands)	(E) Percentage Difference (D) / (C) (percent)	(F) Compound Annual Growth Rate (percent)
1						
2	Common Equity	\$ 1,966,206	\$ 1,195,942	\$ 770,264	64.41%	5.68%
3						
4	Preferred Stock	30,245	179,643	(149,398)	-83.16%	-17.96%
5						
6	Long Term Debt	1,216,496	1,087,808	128,688	11.83%	1.25%
7						
8	Short Term Debt	2,268	145,421	(143,153)	-98.44%	-37.02%
9						
10	Customer Deposits	112,775	73,587	39,188	53.25%	4.86%
11						
12	Deferred investment Tax Credits					
13	Weighted Cost	45,145	100,854	(55,709)	-55.24%	-8.54%
14						
15	Accumulated Deferred Income Taxes	<u>292,362</u>	<u>396,137</u>	<u>(103,775)</u>	-26.20%	-3.32%
16						
17						
18	Total Capital	<u>\$ 3,665,497</u>	<u>\$ 3,179,393</u>	<u>\$ 486,104</u>	15.29%	1.59%
19						
20						
21						
22	**Per Order PSC-92-1197-FOF-EI, Docket No 910890-EI					
23						

FLORIDA PUBLIC SERVICE COMMISSION	Explanation:	Provide a summary of jurisdictional capital cost rates as requested for the test year as compared to the jurisdictional capital cost rates as determined by the Commission in the previous rate case	Type of data shown
Company: FLORIDA POWER CORPORATION			XX Projected Test Year Ended 12/31/2002 ___ Prior Year Ended xx/xx/xxxx Witness Myers
Docket No: 000824-EI			

Line No.	(A) Capital Structure	(B) Jurisdictional Capital Cost Rates In Current Case Ended 12/31/2002	(C) Jurisdictional Capital Cost Rates As Determined by Commission In Last Case** Ended 12/31/1993	(D) Difference (B) - (C)	(E) Percentage Difference (D) / (C)	(F) Compound Annual Growth Rate
1						
2	Common Equity	13.20%	12.00%	1.20%	10.00%	1.06%
3						
4	Preferred Stock	4.51%	7.18%	-2.67%	-37.14%	-5.04%
5						
6	Long Term Debt	6.03%	8.08%	-2.05%	-25.37%	-3.20%
7						
8	Short Term Debt	4.92%	4.00%	0.92%	23.00%	2.33%
9						
10	Customer Deposits	6.13%	8.23%	-2.10%	-25.56%	-3.22%
11						
12	Deferred Investment Tax Credits					
13	Weighted Cost	10.10%	9.92%	0.18%	1.81%	0.20%
14						
15	Accumulated Deferred Income Taxes	--	--	--	--	
16						
17	Total Weighted Cost of Capital	9.81%	8.37%	1.44%	17.19%	1.78%
18						
19						
20						
21						
22						
23	** Per Order PSC-92-1197-FOF-EI, Docket No 910890-EI					
24						
25						

10

FLORIDA PUBLIC SERVICE COMMISSION	Explanation:	Provide financial indicators for:	Type of data shown:	
Company: FLORIDA POWER CORPORATION		(1) the requested test year, and	XX Projected Test Year Ended	12/31/2002
Docket No 000824-EI		(2) the test year used in the last rate case	__ Prior Year Ended	xx/xx/xxxx
			Witness:	Myers

Line No.	(A) Indicator	(B) Test Year This Rate Case	(C) Proposed Last Rate Case	(D)] Difference (B) - (C)	(E) Perecent Difference (D) / (C)
1					
2	Interest Coverage Ratios:				
3	Including AFUDC in Income Before Interest Charges	5.49	3.57	1.92	53.78%
4	Excluding AFUDC from Income Before Interest Charges	5.49	3.49	2.00	57.31%
5	AFUDC as a Percent of Income Available for Common	0.42%	4.79%	-4.37%	-91.23%
6	Percent of all Funds Generated Internally	160.04%	83.06%	76.98%	92.68%
7					
8					
9	Preferred Dividend Coverage:				
10	Including AFUDC	341.94	20.84	321.10	1540.79%
11	Excluding AFUDC	341.62	20.13	321.49	1597.07%
12					
13					
14	Ratio of Earnings to Fixed Charges:				
15	Including AFUDC	5.21	3.53	1.68	47.59%
16	Excluding AFUDC	5.21	3.45	1.76	51.01%
17					
18					
19	Earnings per Share (Not Applicable)				
20					
21					
22					
23					
24					
25					
26					
27					

11

FLORIDA PUBLIC SERVICE COMMISSION	Explanation:	Type of data shown.
Company: FLORIDA POWER CORPORATION	Provide a description of all parent, susidiary and affiliated company relationships, with a discussion of investments, transactions, pricing policies and proposed treatment for rate making purposes.	XX Projected Test Year Ended 12/31/2002
Docket No. 000824-EI		___ Prior Year Ended xx/xx/xxxx
		___ Witness: Myers

Line	No.
1	
2	Florida Power Corporation (FPC) is a subsidiary of Florida Progress Corporation. On November 30,2000, Florida Progress became a subsidiary of Progress Energy through acquisition of Florida Progress by
3	Carolina Power & Light Company (CP&L), an investor-owned utility company On December 4, 2000, the consolidated company was renamed Progress Energy. FPC retains affiliated relationships through a
4	common parent FPC affiliatons are summarized below.
5	
6	<u>Progress Energy Incorporated</u>
7	Progress Energy is the holding company of CP&L and Florida Progress. No transactions are antcipated between Progress Energy Inc. and FPC
8	
9	
10	<u>Progress Energy Service Company, LLC</u>
11	Progress Energy Service Company, LLC is a subsidiary of Progress Energy Inc. Progress Energy Service Company provides services to FPC such as accounting, corporate services, fleet
12	management, real estate management, corporate securty, supply chain management, economic development, human resources, information technology, legal, tax, treasury and IT at cost. FPC bills
13	Progress Energy Service Company for telecommunications maintenance & operations at cost.
14	
15	
16	<u>Carolina Power & Light Company</u>
17	Carolina Power & Light Company (CP&L) is a subsidiary of Progress Energy. CP&L provides vanous services at cost to FPC under a Service Agreement. Some of these services are power trading,
18	plant operations, generation expansion and gas & oil supply FPC bills CP&L for energy delivery customer service, nuclear administration support, transmission & substation maintenance support,
19	distnbution technology management/project supervision & support, power quality management/project supervision & support, fossil & nuclear generation project support, system planning and
20	outage support at cost.
21	
22	
23	<u>Florida Progress Corporation</u>
24	Florida Progress is the parent company of FPC and Progress Capital Holdings, Inc Florida Progress does not forecast any expenses allocated to FPC in the year 2002
25	
26	
27	

12

FLORIDA PUBLIC SERVICE COMMISSION	Explanation:	Type of data shown:	
Company. FLORIDA POWER CORPORATION	Provide a description of all parent, subsidiary and affiliated company relationships, with a discussion of investments, transactions, pricing policies and proposed treatment for rate making purposes.	XX Projected Test Year Ended	12/31/2002
Docket No. 000824-EI		___ Prior Year Ended	xx/xx/xxxx
		___ Witness.	Myers

Line

No

13

1

2 Progress Capital Holdings Incorporated

3 Progress Capital Holdings (PCH) is a subsidiary of Florida Progress. It is the downstream holding company for Florida Progress subsidiaries except FPC. PCH provides financing to Florida Progress
 4 subsidiaries except FPC. No transactions are anticipated between PCH and FPC.

5

6

7 Electric Fuels Corporation

8 Electric Fuels Corporation (EFC) is a subsidiary of Progress Capital Holdings, Inc. EFC provides FPC's coal supply. The price of coal is established through mechanisms approved by the FPSC.

9

10

11 Progress Materials, Inc.

12 Progress Materials, Inc. (Progress Materials) is a subsidiary of EFC. Progress Materials is engaged in the manufacturing and commercialization of aardelite. Progress Materials leases property
 13 and purchases fly ash and bottom ash from FPC at a contract price. The proceeds from the sale of ash are credited to fuel expense

14

15

16 Progress Telecommunications Corporation

17 Progress Telecommunications Corporation (PTC) is a subsidiary of Progress Capital Holdings, Inc. PTC provides communication services to FPC FPC provides services to PTC including
 18 construction of electrical and communication facilities and leasing of FPC property and structures for the purpose of attaching third party wireless communication facilities. Costs of services are
 19 covered under a Service Agreement.

20

21

22

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FLORIDA PUBLIC SERVICE COMMISSION Explanation: Provide a schedule of directors of company showing 1) Name; Type of data shown.

Company: FLORIDA POWER CORPORATION 2) Principal business address; 3) Date term began; 4) Date term ___ Projected Test Year Ended xx/xx/xxxx

Docket No. 000824-EI expires; 5) Number of directors meetings attended in the test year; XX Prior Year Ended 12/31/2000

use the prior year data for columns 5 and 6 If the test year is projected, Witness: Habermeyer

Line No.	(1) Name	(2) Principal Business Address	(3) Date Term Began	(4) Date Term Ends	(5) Number of Meetings Attended 12 Months Ended 12/31/2000	(6) Fees Received 12/99-12/00
1						
2	Willard D. Fredenck, Jr.	8662 Havasu Drive Orlando, FL 32829	Director since 1997	* 2002	na	\$ 20,125
3						
4						
5	Michael P. Graney	1 Riverside Plaza, 9th Floor Columbus, OH 43215	Director since 1997	* 11/30/2000	na	\$ 16,125
6						
7						
8	Clarence V. McKee	2701 North Rocky Point Dr Suite 630 Tampa, FL 33607	Director since 1988	* 11/30/2000	na	\$ 16,125
9						
10						
11	Vincent J. Naimoli	One Tropicana Drive St. Petersburg, FL 33705	Director since 1997	* 11/30/2000	na	\$ 16,125
12						
13						
14	Richard A. Nunis	1375 Buena Vista Drive #460 Lake Buena Vista, FL 32830	Director since 1997	* 2003	na	\$ 16,125
15						
16						
17	Joseph H. Richardson	One Progress Plaza, Suite 2500 St. Petersburg, FL 33701	Director since 1996	* 11/30/2000	na	\$ 0
18						
19						
20	Joan D. Ruffier	722 Alba Drive Orlando, FL 32804	Director since 1991	* 11/30/2000	na	\$ 18,125
21						
22						
23	Robert T. Stuart, Jr.	9330 Hollow Way Road Dallas TX 75220	Director since 1997	* 11/30/2000	na	\$ 16,125
24						
25						
26	Jean Giles Wittner	5999 Central Ave, Suite 400 St. Petersburg, FL 33710	Director since 1977	* 2004	na	\$ 18,125
27						

* - Date individual became a Director of FPC.

na = not available

14

FLORIDA PUBLIC SERVICE COMMISSION	Explanation.	Provide a schedule of directors of company showing 1) Name; 2) Principal business address; 3) Date term began; 4) Date term expires; 5) Number of directors meetings attended in the test year; and 6) Fees received during the test. If the test year is projected, use the prior year data for columns 5 and 6.	Type of data shown: ___ Projected Test Year Ended XX Pnor Year Ended Witness:	xx/xx/xxxx 12/31/2000 Habermeyer
Company: FLORIDA POWER CORPORATION				
Docket No. 000824-EI				

Line No.	(1) Name	(2) Principal Business Address	(3) Date Term Began	(4) Date Term Ends	(5) Number of Meetings Attended 12 Months Ended 12/31/2000	(6) Fees Received 12/99-12/00
1						
2	Richard Korpan	One Progress Plaza, Suite 2500	Director since 1989	9/1/2000	na	\$ 0
3		St. Petersburg, FL 33701				
4						
5	William Cavanaugh III	410 South Wilmington Street	11/30/2000	(1)	0	None
6		Raleigh, NC 27601				
7						
8	H. William Habermeyer, Jr.	100 Central Ave	11/30/2000	(1)	0	None
9		St. Petersburg, FL 33701				
10						
11	William D. Johnson	410 South Wilmington Street	11/30/2000	(1)	0	None
12		Raleigh, NC 27601				
13						
14	Robert B. McGehee	410 South Wilmington Street	11/30/2000	(1)	0	None
15		Raleigh, NC 27601				
16						
17	William S Orser	410 South Wilmington Street	11/30/2000	(1)	0	None
18		Raleigh, NC 27601				
19						
20	Peter M. Scott, III	410 South Wilmington Street	11/30/2000	(1)	0	None
21						
22						
23	(1) All Directors are Corporate Officers within Progress Energy					
24						
25						
26						
27						

* - Date individual became a Director of FPC
na = not available

15

FLORIDA PUBLIC SERVICE COMMISSION	Explanation: Provide a schedule of officers of affiliated companies or subsidiaries which provide goods or services to the applicant or its affiliates showing, 1) Title; 2) Name, 3) Principal business address.	Type of data shown:
Company: FLORIDA POWER CORPORATION		XX Projected Test Year Ended 12/31/2002
		XX Prior Year Ended 12/31/2000
Docket No. 000824-EI		Witness: Habermeyer

Line No.	Title	Name	Principal Business Address
1			
2	Progress Energy Corporation		410 South Wilmington Street
3			Raleigh, NC 27601
4			
5	President, Chairman of the Board and Chief Executive Officer	William Cavanaugh III	
6	Chief Financial Officer and Executive Vice President	Peter M. Scott III	
7	Executive Vice President	William D. Johnson	
8	Executive Vice President	Robert B. McGehee	
9	Corporate Secretary and General Counsel	William D. Johnson	
10	Treasurer	Thomas R. Sullivan	
11	Controller	Robert H. Bazemore	
12	Assistant Secretary	Frank A. Schiller	
13	Assistant Secretary	Robert M. Williams	
14			
15	Electric Fuels Corporation		One Progress Plaza
16			St. Petersburg, FL 33701
17			
18	Chairman of the Board	William Cavanaugh III	
19	President and Chief Executive Officer	Tom D. Kilgore	
20	Senior Vice President	W. David Carter, Jr	
21	Senior Vice President	Gary Joe Smith	
22	Vice President and Controller	Samuel M. Hopkins, II	
23	Vice President	Dennis G. Edwards	
24	Vice President	Peter D. Hay	
25	Vice President	William R. Knight	
26	Vice President	Albert W. Pitcher	
27	Vice President	Michael E. Weber	

16

FLORIDA PUBLIC SERVICE COMMISSION	Explanation:	Provide a schedule of officers of affiliated companies or subsidiaries which provide goods or services to the applicant or its affiliates showing, 1) Title; 2) Name; 3) Principal business address.	Type of data shown:	
Company FLORIDA POWER CORPORATION			XX Projected Test Year Ended	12/31/2002
			XX Prior Year Ended	12/31/2000
Docket No 000824-EI			Witness:	Habermeyer

17

Line No	Title	Name	Principal Business Address
1			
2	Corporate Secretary	Frank A. Schiller	
3	Treasurer	Thomas R. Sullivan	
4	Assistant Secretary	Robert M. Williams	
5			
6	Florida Progress Corporation		410 South Wilmington Street Raleigh, NC 27601
7			
8			
9	President and Chairman of the Board	William Cavanaugh III	
10	Executive Vice President and General Counsel	Robert B. McGehee	
11	Executive Vice President and Chief Financial Officer	Peter M. Scott III	
12	Executive Vice President and Corporate Secretary	William D. Johnson	
13	General Counsel	William D. Johnson	
14	Treasurer	Thomas R. Sullivan	
15	Controller	Robert H. Bazemore	
16	Assistant Secretary	Frank A. Schiller	
17	Assistant Secretary	Robert M. Williams	
18			
19	Progress Materials, Inc		One Progress Plaza St. Petersburg, FL 33701
20			
21			
22	President	Peter D. Hay	
23	Vice President, Treasurer and Controller	Samuel M. Hopkins, II	
24	Vice President	Joseph W. Cochran	
25	Corporate Secretary	Frank A. Schiller	
26	Assistant Secretary	Robert M. Williams	
27			

FLORIDA PUBLIC SERVICE COMMISSION	Explanation. Provide a schedule of officers of affiliated companies or subsidiaries which provide goods or services to the applicant or its affiliates showing, 1) Title; 2) Name; 3) Principal business address.	Type of data shown:	
Company: FLORIDA POWER CORPORATION		XX Projected Test Year Ended	12/31/2002
		XX Prior Year Ended	12/31/2000
Docket No. 000824-EI		Witness.	Habermeyer

Line No.	Title	Name	Principal Business Address
1			
2	Progress Telecommunications Corporation		100 Second Avenue South, Suite 400-South
3			St. Petersburg, FL 33701
4			
5	Chairman of the Board	William Cavanaugh III	
6	President and Chief Executive Officer	Ronald J. Mudry	
7	Vice President	Arthur J. Alden	
8	Vice President	Frank L. Dame	
9	Vice President	Jeffrey H. Foster	
10	Vice President	Terry Kelsey	
11	Vice President	Elizabeth A. Walker	
12	Corporate Secretary and General Counsel	Frank A. Schiller	
13	Treasurer	Thomas R. Sullivan	
14	Controller	Jeffrey H. Foster	
15	Assistant Secretary	Belisa M. Oliveira	
16	Assistant Secretary	Robert M. Williams	
17			
18			
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20			
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18

FLORIDA PUBLIC SERVICE COMMISSION Explanation: Provide a schedule of business contracts entered into by the Company with its officers, directors, or firms, partnerships and organizations with which officers or directors are affiliated. Provide the requested information for the test year. If the test year is projected, use the prior year.

Company: FLORIDA POWER CORPORATION

Docket No. 000824-EI

Type of data shown:
 ___ Projected Test Year Ended xx/xx/xxxx
 XX Prior Year Ended 12/31/2000
 Witness Habermeyer

19

Line No	(A) Name of Officer or Director	(B) Name and Address of Affiliated Entity	(C) Relationship With Affiliated Entity	(D) Amount of Contract or Transaction	(E) Description of Product or Service
1					
2	Peter Dagostino	Sun Trust Bank - Central, FL	Director	(1)	Line of Credit
3					
4	Richard Korpan	Sun Trust Bank - Tampa Bay	Director	(1)	Line of Credit
5		Tampa Bay Devil Rays	Member	\$ 340,678	Sponsorship, Tickets
6		Take Stock in Children		\$ 220,000	Donation
7					
8	Richard Nunis	Sun Trust Bank - Central, FL		(1)	Line of Credit
9					
10	Kenneth Armstrong	Assets Team Management	Advisory Board	\$ 1,485	Contribution
11					
12	John P Cowan	Citrus Co. Historical Society	Trustee	\$ 1,000	Advertisement
13					
14	Michael B. Foley, Jr	United Way of Pinellas Co	Director	\$ 615,167	Pledges, Donations
15					
16	Wayne C Forehand	Orlando Science Center	Trustee	\$ 5,530	Partnership Contribution
17		Economic Dev. Commission of Mid-FL Corp. Council	Member	\$ 71,012	Advertisement, Membership Invest.
18					
19					
20	Rodney E. Gaddy	Science Center of Pinellas Co.	Director	\$ 5,000	Contribution
21		Mahaffey Theater	Trustee	\$ 45,000	Donation
22		PARC	Donation	\$ 2,830	Donation, Supplies
23					
24	Michael A. Lewis	Performing Arts Center Foundation	Director	\$ 689	Rent
25		Jr. Achievement of West Central Florida	Director	\$ 25,000	Sponsorship, Donation
26					
27	Joseph H. Richardson	Echelon International	Director	\$ 2,430,377	Rent

(1) The interest rate charged for loans from the Florida banks under the line of credit is the "prime rate" as established by Morgan Guaranty Trust Company, New York, New York.

FLORIDA PUBLIC SERVICE COMMISSION

Explanation: Supply a copy of all NRC safety citations issued against the company within the last two years, a listing of corrective actions and a listing of any outstanding deficiencies. For each citation provide the dollar amount of any fines or penalties assessed against the company and account(s) each are recorded

Type of data shown.

Company: FLORIDA POWER CORPORATION

__ Projected Test Year Ended xx/xx/xxxx
XX Prior Year Ended 12/31/2000
Witness: Young

Docket No. 000824-EI

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The NRC did not issue any citations against Florida Power Corporation in 1999 and 2000

FLORIDA PUBLIC SERVICE COMMISSION	Explanation: If a projected test year is used , provide a brief description of each method or model used in the forecasting process. Provide a flow chart which shows the position of each model in the forecasting process.	Type of data shown:
Company: FLORIDA POWER CORPORATION		XX Projected Test Year Ended 12/31/2002 ___ Prior Year Ended xx/xx/xxxx Witness: Crisp/Myers
Docket No 000824-EI		

Line No.		WITNESS	PAGE
1			
2			
3			
4	I. OVERVIEW OF THE FORECASTING PROCESS		
5			
6	A. Description	Myers	2
7	B. Flow Chart	Myers	3
8			
9			
10	II. DESCRIPTION OF FORECASTING METHODOLOGY		
11			
12	A. Construction Budget	Myers	4
13	B. Operating Budget	Myers	4
14	C. Balance Sheet	Myers	8
15			
16			
17	III. DESCRIPTION OF FORECASTING MODELS		
18			
19	A. Flow Chart	Crisp	13
20	B. Customers, Demand, Energy and Sales	Crisp	14
21	C. Production Costing Model	Crisp	17
22	D. Corporate Model - revenues and fuel costs	Crisp	18
23			
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25			
26			

21

FLORIDA PUBLIC SERVICE COMMISSION	Explanation: If a projected test year is used, provide a brief description of each method or model used in the forecasting process. Provide a flow chart which shows the position of each model in the forecasting process	Type of data shown.
Company: FLORIDA POWER CORPORATION		XX Projected Test Year Ended 12/31/2002 ___ Prior Year Ended xx/xx/xxxx Witness: Crisp/Myers
Docket No. 000824-EI		

Line I. Overview of forecasting Process
No.

22

- 1 **A. Description**
- 2
- 3 The forecasting process employed by Florida Power Corporation to develop the projected test year data is essentially the 2002 Corporate Budget.
- 4
- 5 The forecasting process for the budget is comprised of several parts: strategic and business planning, load forecasting energy dispatch planning, facilities construction planning, and the development of financial statements utilizing the
- 6 corporate financial model.
- 7
- 8
- 9 Load forecasting is accomplished through an econometric modeling process which employs historic and projected input data addressing economic conditions, demographics, weather, electric price levels, and in some instances, specific
- 10 customer operating plans. The output of the load forecasting process is employed in the development of system energy requirements which is a key input into the production simulation model (PROSYM)
- 11
- 12 PROSYM is used for the planning of system dispatch and simulates the use of system generation, purchased power and load control capabilities. The inputs involved are fuel and purchased power costs, system energy requirements,
- 13 and plant maintenance schedules. The output of PROSYM is employed by the Financial Model to determine fuel and purchased power expense and the associated revenue.
- 14
- 15 The proposed construction expenditures reflect the facilities construction plans developed by the business units in support of their mission and serves as input into the financial model.
- 16
- 17 The operation and maintenance expenses, exclusive of fuel and purchased power, are based on the 2001 budget data adjusted for benefits, salary and wage increases, achieved synergies, and other known changes are also a input
- 18 into the financial model.
- 19
- 20 The income statement is developed within the financial model using the construction expenditures, operating expense, and a number of other assumptions as input.
- 21
- 22
- 23
- 24 The balance sheet projection begins with estimated prior year balances and records each known change in every significant balance sheet account. This process is done for thirteen (13) months ending on the last month of the budget
- 25 period. The main source of information for the monthly balance sheet activity are the operating and construction budgets, and other assumptions input into the corporate financial model. The projected balance sheet is the result of
- 26 beginning balances and the activity modeled in the financial model.

FLORIDA PUBLIC SERVICE COMMISSION

Explanation: If a projected test year is used, provide a brief description of each method or model used in the forecasting process. Provide a flow chart which shows the position of each model in the forecasting process.

Type of data shown:

Company: FLORIDA POWER CORPORATION

XX Projected Test Year Ended 12/31/2002
 ___ Prior Year Ended xx/xx/xxxx
 Witness: Crisp/Myers

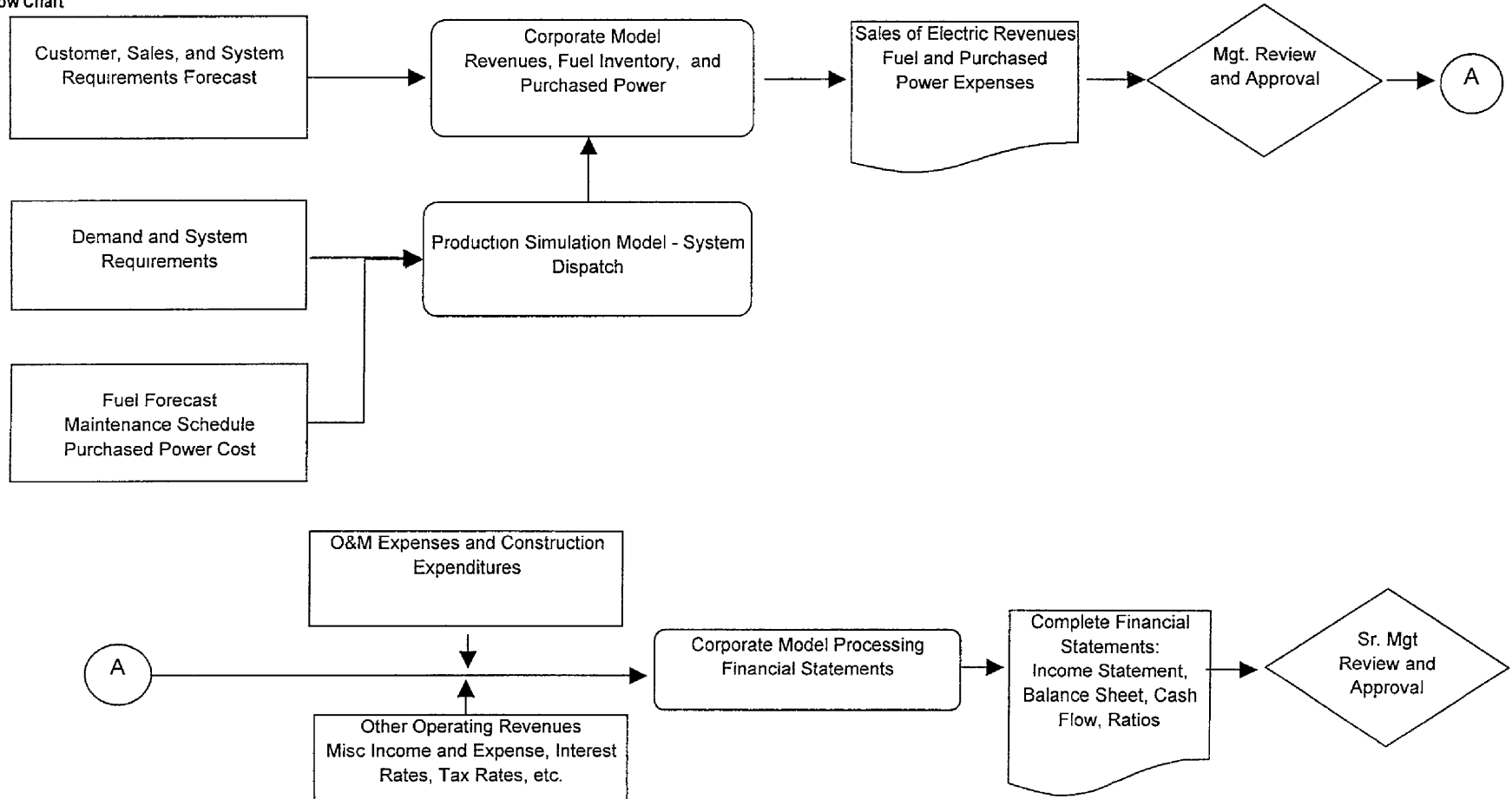
Docket No. 000824-EI

Line I. Overview of forecasting Process

No.

1 B. Flow Chart

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Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION	Explanation:	If a projected test year is used, provide a brief description of each method or model used in the forecasting process. Provide a flow chart which shows the position of each model in the forecasting process.	Type of data shown:	
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			__ Prior Year Ended	xx/xx/xxxx
Docket No. 000824-EI			Witness:	Myers

Line No.	II. Description of Forecasting Methodology
1	
2	A. Construction Budget
3	
4	The process employed to define corporate construction requirements and to estimate construction costs involves the various construction management groups and the budget development process. The
5	construction management groups develop their capital requirements based upon considerations such as the customers, demand and energy forecasts, safety, reliability, and economic benefit. Once they
6	have defined their requirements, cost estimate are developed and reviewed by several levels of management. At the corporate level they are arranged in capital prioritization groups such as system growth,
7	safety, reliability, regulatory requirements, etc. and evaluated. After they have been reviewed and approved at the corporate level the detail capital budget is developed
8	
9	B. Operating Budget
10	
11	1. Operating Revenues
12	
13	The 2002 base revenue projection is based on the 2002 Corporate Budget. The Budget was developed using the June 2001 sales and customer forecast by revenue and rate class and rates effective
14	January 2001 for the rate schedules RS-1, GS-1, GS-2, GSD-1, CS-1, IS-1, SL-1, SS-1, SS-2, and SS-3. There are no rate changes in this forecast. The sales simulation
15	model combines the rate by rate schedule and the sales forecast by rate schedule to determine base revenues.
16	
17	Base revenues for wholesale customers are determined using the June 2001 sales, customer and demand forecast and the current rate schedule. There are no rate changes in this forecast.
18	
19	Fuel Adjustment Revenue is developed by modeling a twelve month levelization of the retail and wholesale adjustment for 2002. The fuel revenues are based on recovery of the projected fuel
20	expenses and calculated in the same manner as is embodied in the Commission's present procedure. Recovery is constrained by the levelized factors which had been established for 2001.
21	
22	Energy Conservation Revenue is developed by modeling a twelve month levelization of the adjustment for 2002. The energy conservation cost recovery revenues are based on recovery of
23	the projected recoverable cost data embedded in the 2002 budget. expenses and calculated in the same manner as is embodied in the Commission's present procedure. Recovery is
24	constrained by the levelized factors which had been established for 2001.
25	
26	Capacity Cost Recovery Revenue is developed by modeling a twelve month levelization adjustment for 2002. The capacity cost recovery revenues are based on recovery of the projected purchased
27	capacity expenses and calculated in the same manner as is embodied in the Commission's present procedure. Recovery is constrained by the levelized factors which had been established for 2001

FLORIDA PUBLIC SERVICE COMMISSION	Explanation: If a projected test year is used, provide a brief description of each method or model used in the forecasting process. Provide a flow chart which shows the position of each model in the forecasting process.	Type of data shown:	
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		___ Prior Year Ended	xx/xx/xxxx
Docket No. 000824-EI		Witness:	Myers

Line No.	II. Description of Forecasting Methodology
1	
2	2. Other Operating Revenues, Exclusive of Deferred Fuel and Unbilled Revenues
3	
4	Other Operating Revenues for 2002 were developed by Energy Delivery staff utilizing sales forecast data and historical, trends.
5	
6	3. Deferred Fuel and Capacity Revenues
7	
8	The forecast of deferred fuel and capacity revenue is developed on a monthly basis using the Corporate Financial Model. These revenues are determined in the Model using the same approach
9	as is used by Accounting in developing actual deferred fuel and capacity revenues, recognizing the interaction between monthly fuel expenses and the levelized fuel adjustment factors
10	
11	4. Unbilled Revenues
12	
13	The forecast of unbilled revenue is developed on a monthly basis using the Corporate Financial Model. The forecasted unbilled revenues are calculated as the change in monthly
14	accrued utility revenues. The accrued utility revenues are the product of unbilled KWH's and average base revenue per KWH.
15	
16	5 Fuel and Purchased Power
17	
18	This process begins with the preparation of a fuel forecast. The forecast includes projected prices by fuel type, transportation costs, heat value of fuels, unit size of deliveries for coal and target
19	inventory levels and supporting economic assumptions.
20	
21	The System Resource Planning Department then uses the PROSYM program to determine fuel burn requirements for the forecast period. This simulation requires assumptions for unit
22	characteristics and availabilities, purchased power availability and price, and system requirements (from the sales forecast) in addition to the fuel forecast. The PROSYM program produces burn
23	requirements by fuel type (physical units and BTU basis) and the price of fuels monthly for the forecast period. The price determined by PROSYM for each fuel type is a weighted average to
24	incorporate the effect of differential fuel and transportation costs for each generation unit modeled by PROSYM.
25	
26	
27	

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Docket No. 000824-EI			Witness:	Myers

Line No.	II Description of Forecasting Methodology
1	
2	5. Fuel and Purchased Power (continued)
3	
4	The Financial Planning and Analysis Department employs the resulting PROSYM output in computing fuel expense. The initial value and quantity of inventory by fuel type is provided by Fuel
5	Accounting. The Corporate Financial Model then simulates the physical movement of fuels through inventory for the forecast period based on initial conditions, burn requirements, purchase
6	commitments and inventory targets. The fuel expense for each inventoried fuel is computed based on average inventory cost at the time the fuel is burned. Fuel handling expenses are
7	projected by operations personnel based on historical experience adjusted for inflation, changes in inventory target levels, and the projected mix of fuel to be burned as determined by PROSYM.
8	
9	Assumptions for purchased power contract terms, quantities, availabilities, and prices are developed jointly by the System Resource Planning and Term Marketing
10	Departments. This data is used by PROSYM in determining system generation requirements as indicated above.
11	
12	6. Operation and Maintenance Expenses (Exclusive of Fuel and Purchased Power)
13	
14	The forecast of operation and maintenance expense exclusive of fuel and purchased power is developed from the 2001 Corporate Budget adjusted for benefits, salary and wage increase, achieved
15	synergies, and other known changes.
16	
17	7. Depreciation and Amortization
18	
19	Depreciation expense is determined using forecasted 2002 monthly Electric Plant in Service. Depreciation rates were approved by the Florida Public Service Commission in Docket No.
20	971570-E.I., Order No. PSC-98-1723-FOF-EI, December 18, 1998. Dismantlement expense was based on the Company's study as part of Docket No. 010031-EI. Decommissioning expense
21	was based on the Company's study submitted as part of Docket No. 001835-EI. Amortization of intangible plant, ECCR plant, Gas Conversion projects and the Sebring and Tiger Bay
22	regulatory assets was based on currently approved rates.
23	
24	8. Taxes Other Than Income Taxes
25	
26	Taxes other than income taxes are forecasted by applying the estimated rate times the applicable basis for the specific item, such as real and personal property taxes, franchise fees, state gross
27	receipts tax, regulatory commission fee, Federal old age benefits, etc.

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Line No.	II. Description of Forecasting Methodology
1	
2	9. State and Federal Income Taxes
3	
4	Current income taxes are computed by applying the statutory tax rates in effect during the test year to estimated taxable income each month. Estimated taxable income is computed by adjusting the
5	forecasted income before taxes for all permanent and timing differences between book and taxable income. Deferred income taxes are provided for all of the aforementioned timing differences.
6	
7	10. Other Income and Deductions (Net)
8	
9	Non regulated income and expenses activity, donations, and political and legislative activity is forecasted based on budgets from appropriate business units The activity on company owned life
10	insurance was forecasted based on assumed market conditions.
11	
12	Allowance for Funds Used During Construction (AFUDC) is projected using a 7.81% cost of capital, applied to the appropriate CWIP component.
13	
14	11. Interest Charges
15	
16	Interest expense for Long Term Debt is determined by the series interest rate applied to the amount outstanding. There are no new issues in the 2002 forecast. Interest expense on Short Term
17	Debt is determined by applying the assumed rate of 4.92% on the average outstanding amount each month. Interest on Customer Deposits is calculated using a blended interest rate applied
18	against the a projected total customer deposit balance. Customer deposit balance is based on historical relationship between total deposits and number of customers. Interest on tax
19	deficiencies was predicted on a three year amortization of the outstanding amount.
20	
21	
22	12. Allowance for Funds Used During Construction
23	
24	This reflects the debt portion of AFUDC. Refer to item No. 10, Other Income and Deductions (Net)
25	
26	
27	

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Docket No. 000824-EI		__ Prior Year Ended xx/xx/xxxx
		Witness: Myers

Line No.	II. Description of Forecasting Methodology
1	
2	C. Balance Sheet
3	
4	1. Utility Plant
5	
6	a. Electric Plant in Service
7	
8	The month end balances for Electric Plant in Service are derived by adding plant additions expected to be closed to plant in service and subtracting expected plant retirements. The plant additions
9	for major projects are computed using budget forecasts from the business units. Plant additions related to minor projects and blanket projects are also based on budgeted construction
10	expenditures Retirement estimates are based upon past historical trends.
11	
12	b. Construction Work in Progress
13	
14	The balance for Construction Work in Progress (CWIP) is calculated by adding monthly construction expenditures from the construction budget forecast and reduced for estimated closings to
15	plant in service.
16	
17	c. Accumulated Depreciation
18	
19	The balances of Accumulated Depreciation and Amortization are derived by adding the monthly depreciation expense, (computed on the average depreciable plant in service balances),
20	subtracting the cost of expected plant retirements and adding the monthly amount of Retirement Work in Progress.
21	
22	d. Net Nuclear Fuel
23	
24	The month end balances for nuclear fuel are derived by adding accounts 120 1 through 120.4 less account 120.5. The accumulated provision for amortized nuclear fuel, Account 120 5, month
25	end balance is increased by the monthly amount of fuel burned.
26	
27	

28

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Docket No. 000824-EI			Witness:	Myers

Line No	II Description of Forecasting Methodology
1	
2	2. Other Property and Investments
3	
4	a. Non Utility Property
5	
6	Represents the change resulting from additions and depreciation on property assets utilized in the non-regulated business which are calculated in essentially the
7	same manner as the utility plant changes described above.
8	
9	
10	b Other Special Funds
11	
12	Primarily the Nuclear Plant Decommissioning Fund - The funding for the decommissioning costs occurs monthly based on the last allowed level of expense authorized by the FPSC and FERC.
13	The changes in 2000 are based on Company's study submitted as part of Docket No. 001835-EI. Income taxes are calculated on taxable funds earnings and are paid quarterly. The Company
14	segregates the funds into Retail and Wholesale funds and qualified/non qualified. The qualified funds are funded with pre tax dollars ; the non-qualified funds with after tax dollars.
15	
16	3. Current and Accrued Assets
17	
18	a. Cash
19	
20	Cash balance is assumed to remain unchanged for the budget year and cash needs are modeled as a change in short term debt.
21	
22	b. Customer Accounts Receivable
23	
24	The monthly balances for Customer Accounts Receivable was projected assuming that forty-two percent of a forecasted months revenue would be received as cash that month and fifty-eight
25	percent would be collected in the subsequent month.
26	
27	

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Docket No. 000824-EI		

Line No.	II Description of Forecasting Methodology
1	
2	c. Fuel Stock
3	
4	The fuel inventory level was projected by subtracting the estimated cost of the fuel burn as determined by the Production Simulation Model and the average inventory cost and adding the
5	projected cost to purchase additional fuel at forecasted prices sufficient to bring inventory to targeted quantity levels.
6	
7	d. Materials and Supplies
8	
9	It was assumed that the average material and supplies balance would be equal to the beginning balance; therefore the material and supplies are forecast at a constant level.
10	
11	e. Accrued Utility Revenue
12	
13	The balance in this account represents revenues associated with the accumulated amount of unbilled MWH at month end and is estimated in same manner as the accounting actuals An estimate
14	of the total unbilled MWH is accomplished. After adjustments for the wholesale portion of unbilled, the retail unbilled balance is estimated by multiplying the retail unbilled MWH by the average
15	retail base revenue per MWH sold in the forecast month.
16	
17	4. Deferred Debits
18	
19	The monthly balance associated with deferred fuel, capacity, and energy conservation expense is determined by the over under recovery of the appropriate accounts. The change Tiger Bay
20	and Sebring Rider regulatory assets reflect the calculated amortization. The monthly balance of the Deferred Taxes FASB 109 reflect the current amortization as shown on the income statement.
21	The change in th unamortized debt issue expense and unamortized loss on reacquired debt reflect the change on the income statement. It was assumed that the average of the remaining deferred
22	debits would be equal to the beginning balance; therefore they are forecast at a constant level.
23	
24	5. Other Current Asserts
25	
26	The change in other current assets reflects the change to prepaid pension cost (pension expense credit) All other assets accounts remain constant during the year.
27	

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Docket No. 000824-EI			Witness:	Myers

Line No.	II. Description of Forecasting Methodology
1	
2	5. Capitalization
3	
4	The monthly balances for common stock, preferred stock and long-term debt are developed from the Company's financing plan. The monthly balances for unappropriated retained earnings are
5	calculated from the monthly income statement projections less expected dividends.
6	
7	6. Current and Accrued Liabilities
8	
9	a. Notes Payable
10	
11	Short - term borrowing requirements as determined by the budget forecast.
12	
13	b Accounts Payable
14	
15	The forecasted activity assumes that sixty five percent of current month operations and maintenance expense will be accrued and paid the following month.
16	
17	c Customer Deposits
18	
19	Customer deposit balance is based on historical relationship between total deposits and number of customers. Accrued interest for the customer accounts are credited to the customers in June.
20	
21	d Taxes Accrued
22	
23	The monthly balances increase by the accruals shown on the income statement and decrease by the cash payments.
24	
25	e. Interest Accrued
26	
27	The monthly balances increase by the accruals shown on the income statement and decrease by the cash payments.

31

FLORIDA PUBLIC SERVICE COMMISSION	Explanation: If a projected test year is used, provide a brief description of each method or model used in the forecasting process. Provide a flow chart which shows the position of each model in the forecasting process.	Type of data shown:
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Docket No. 000824-EI		

Line No	II. Description of Forecasting Methodology
1	
2	e. Other Current Liabilities
3	
4	Change reflects the accrual and payment of the dividends on preferred stock and the accrual of nuclear fuel disposal cost. The monthly balance of all other accounts in this group to remain constant
5	for the year
6	
7	7. Deferred Credits
8	
9	a. Deferred Fuel and Capacity
10	
11	All fuel expense incurred in 2002 as well as projected deferrals from prior years will be recovered in 2002.
12	
13	b. Medical and Life Reserve Retirees
14	
15	The reserve balance changes as a result of the retiree medical and life accrual and reflected on the income statement and decrease by the expected cash payments based on historical trends.
16	
17	c. Accumulated Deferred Investment Tax Credit, regulatory Asset Deferred Liability, and Accumulated Deferred Income Taxes
18	
19	The net monthly balance reflects the change on the income statement.
20	
21	d. Other Deferred Credits
22	
23	It was assumed that the average of the remaining deferred credits would be equal to the beginning balance; therefore they are forecast at a constant level.
24	
25	
26	
27	

32

FLORIDA PUBLIC SERVICE COMMISSION

Explanation: if a projected test year is used, provide a brief description of each method or model used in the forecasting process. Provide a flow chart which shows the position of each model in the forecasting process.

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XX Projected Test Year Ended 12/31/2002
 ___ Prior Year Ended xx/xx/xxxx
 Witness: Crisp

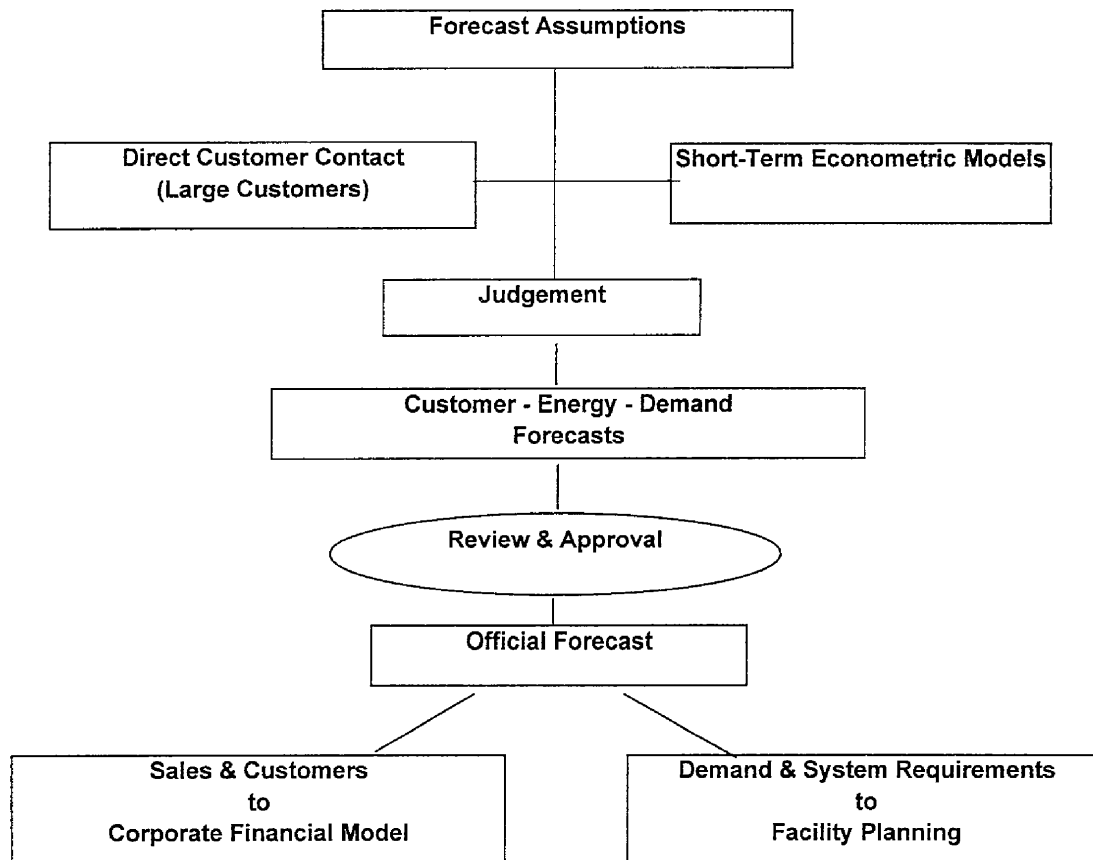
Docket No. 000824-EI

Line No. III. Description of Forecasting Models

33

1 A. Flow Chart

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FLORIDA PUBLIC SERVICE COMMISSION	Explanation:	Type of data shown:
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Docket No. 000824-EI		__ Prior Year Ended xx/xx/xxxx
		Witness: Crisp

Line No. III. Description of Forecasting Models

34

1

2 **B. Customers, Energy and Demand Forecast**

3

4 **Energy**

5 FPC has also developed short-term econometric models expressly designed to better capture the short-term business cycle fluctuations preceding the long-term trend path of customers' energy usage and peak demand. In particular,

6 the monthly periodicity studied in this approach better captures near-term perturbations than the end-use forecasting framework. Also, easier and more timely model updates enable the short-term econometric model to more readily

7 incorporate the most recent projections of input variables.

8

9 **SHORT-TERM ECONOMETRIC MODEL**

10

11

12

13 In the short-term econometric models, energy sales in major revenue classes that have historically shown a relationship to weather and economic/demographic indicators are modeled using monthly equations. Sales are regressed

14 against "driver" variables that best explain monthly fluctuations over a historical sample period. Forecasts of these input variables are either derived internally or come from a review of the latest projections made by several independent

15 forecasting concerns. These include the WEFA Group and the University of Florida's Bureau of Economic and Business Research. Internal company forecasts are used for projections of electric price, weather conditions and the length

16 of the billing month. Projections of FPC's energy efficiency program impacts (conservation program reductions) and direct load control reductions are also incorporated into the forecast. Specific sectors are modeled as follows:

17 **Residential Sector**

18

19 Residential kWh usage per customer is modeled as a function of real Florida personal income, cooling degree days, heating degree days, the average number of billing days in each sales month and an intercept shift variable to account

20 for the impact of FPC's new Seasonal Service Rate. This equation captures short-term movements in customer usage. Projections of kWh usage per customer combined with the customer forecast provide the forecast of total

21 residential energy sales. The residential customer forecast is developed by correlating annual net new customers with FPC service area population growth. County level population projections are provided by the BEBR.

22

23 **Commercial Sector**

24

25 Commercial kWh use per customer is forecast based on commercial (non-agricultural, non-manufacturing and non-governmental) employment, the average number of billing days in each sales month, heating and cooling degree days

26 and real commercial electric price. The measure of cooling degree days utilized here differs slightly from that used in the residential sector reflecting the unique behavior pattern of this class with respect to its cooling needs.

27 Commercial customers are projected as a function of the number of residential customers served.

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Company: FLORIDA POWER CORPORATION	which shows the position of each model in the forecasting process.	XX Projected Test Year Ended 12/31/2002
		__ Prior Year Ended xx/xx/xxxx
Docket No 000824-E1		Witness: Crisp

Line III. Description of Forecasting Models
No.

1 B. Customers, Energy and Demand Forecast (con't)

2

3 Industrial Sector

4 Energy sales to this sector are separated into two sub-sectors. A significant portion of industrial energy use was consumed by the phosphate mining industry. Because this one industry dominated over a 30 percent share of the total
5 industrial class, it is separated and modeled apart from the rest of the class. The term "non-phosphate industrial" is used to refer to those customers who comprise the remaining portion of total industrial class sales. Both groups are
6 impacted by changes in short-term economic activity. However, adequately explaining sales levels require separate explanatory variables. Non-phosphate industrial energy sales are modeled using the average of two equations. Both
7 equations include the average billing days variable, HDDs and CDD, and Real industrial electric price. The difference between the two is, one incorporates the FL industrial production index for manufacturing while the other
8 incorporates FL manufacturing employment. The two variables are separated to avoid multicollinearity

8

9

10

11 The industrial phosphate mining industry is modeled using customer-specific information with respect to expected market conditions. Since this sub-sector is comprised of only five customers, the final forecast is heavily dependent upon
12 information received from direct customer contact. FPC industrial customer representatives provide specific phosphate customer information regarding customer production schedules, area mine-out and start-up predictions, and
13 changes in self-generation or energy supply situations over the near-term forecast horizon.

13

14 Public Authority Sector

15

16

17 Energy sales to public authorities (SPA), comprised mostly of government operated services, is also projected using the short-term monthly econometric approach. The level of government services, and thus energy use per customer,
18 can be tied to the population base, as well as to the state of the economy. Factors affecting population growth will impact the need for additional governmental services (i.e., schools, city services, etc.) thereby increasing SPA energy
19 usage per customer. Monthly government employment has been determined to be the best indicator of the level of government services provided. This variable, along with heating and cooling degree days, the real price of electricity to
20 this class and the average number of sales month billing days, result in a significant level of explained variation over the historical sample period. Intercept shift variables are also included in this model to account for the large change in
21 school-related energy use in the billing months of January, July and August. SPA customers are projected linearly as a function of a time-trend.

21

22 Demand-Side Management Programs

23

24

25 Each projection of every retail class-of-business MWh energy sales forecast is reduced by estimated future energy savings due to FPC-sponsored and Florida Public Service Commission (FPSC)-approved dispatchable and non-
26 dispatchable Demand-Side Management programs. Estimated energy savings for every non-dispatchable DSM program are calculated on a program-by-program basis and aggregated for each class-of-business on the program.
27 Dispatchable DSM program energy savings are estimated within the Resource Planning Department's production costing models. These models determine the most cost-effective means to meet system requirements, including load
control. The DSM projections incorporated in this demand and energy forecast meet the new conservation goals established by the FPSC in Order No. PSC-99-1942-FOF-EG, issued October 1, 1999 in Docket No. 971005-EG

35

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Docket No. 000824-EI									Witness.	Crisp		

Line No	(Thousands)	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
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1 **B. Customers, Energy and Demand Forecast (con't)**
 2
 3 **Peak Demand**
 4 The FPC approach to projecting seasonal and monthly peak demand employs a disaggregation technique that separates seasonal (winter and summer) and monthly peak hour system demand into five major components. These
 5 components consist of potential firm retail load, demand-side management program capability, wholesale demand, company use demand and interruptible demand
 6
 7
 8 Potential firm retail load refers to projections of FPC retail hourly seasonal net peak demand (excluding interruptible/curtailable/standby services) before the cumulative effects of any conservation activity or the activation of FPC's Load
 9 Management program. The historical values of this series are constructed to show the size of FPC's firm retail net peak demand had no utility-induced conservation or load control ever taken place. The value of constructing such a
 10 "clean" series enables the forecaster to observe and correlate the underlying trend in retail peak demand to total system customer levels at the time of the peak and coincident weather conditions without the impacts of year-to-year
 11 variation in conservation activity or load control reductions. Seasonal peaks are projected using historical seasonal peak data regardless to which month the peak occurred. The projections become the potential retail demand
 12 projection for the month of January (winter) and August (summer) since this is typically when the seasonal peaks occur. The non-seasonal peak months are projected the same as the seasonal peaks, but the analysis is limited to the
 13 month being projected.
 14
 15 Energy conservation and direct load control estimates are consistent with FPC's DSM goals that have been filed with the Florida Public Service Commission in the 1999 DSM Goals Docket. These estimates are incorporated into the
 16 MW forecast. Projections of dispatchable and cumulative non-dispatchable DSM are subtracted from the projection of potential firm retail demand.
 17
 18 Sales for Resale demand projections represent load supplies by FPC to other electric utilities such as Seminole Electric Cooperative, Inc., Florida Municipal Power Agency, and other electric distribution
 19 companies. The SECI supplemental demand projection is based on their forecast of their service area within the FPC control area. The level of MW to be served by FPC is dependent upon the amount of
 20 resources SECI supplies to itself or contracts with others. An assumption has been made that beyond the last year of committed capacity declaration (5 yrs out), SECI will hold constant their level of self-service
 21 resources. For partial requirements customers demand projections, historical ratios of coincident-to-contract levels of demand are applied to future MW contract levels. Demand requirements continue out at the level
 22 indicated by the final year in their respective contracts. The full requirements municipal demand forecast is estimated for individual cities using linear econometric equations both weather and economic impacts
 23 specific to each locale. The seasonal (winter & summer) projections become the January and August peak values, respectively. The non-seasonal peak months are calculated using monthly allocation factors
 24 derived from applying the historical relationship between each winter month (Nov to Mar) relative to the winter peak, and each summer month (Apr to Oct) in relation to the summer peak demand.
 25
 26 FPC "company use" at the time of system peak is estimated using load research metering studies and is assumed to remain stable over the forecast horizon. The interruptible and curtailable service load component is developed from
 27 historic trends, as well as the incorporation of specific information obtained from FPC's industrial service representatives.

Each of the peak demand components described above is a positive value except for the DSM program MW impacts. Since DSM program impacts represent a reduction in peak demand, they are assigned a negative value. Total system peak demand is then calculated as the arithmetic sum of these five components.

FLORIDA PUBLIC SERVICE COMMISSION	Explanation:	If a projected test year is used , provide a brief description of each method or model used in the forecasting process. Provide a flow chart which shows the position of each model in the forecasting process.	Type of data shown:	
Company: FLORIDA POWER CORPORATION			XX Projected Test Year Ended	12/31/2002
Docket No. 000824-EI			__ Prior Year Ended	xx/xx/xxxx
			Witness:	Crisp

Line No	(Thousands)	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
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FLORIDA PUBLIC SERVICE COMMISSION	Explanation:	If a projected test year is used , provide a brief description of each method or model used in the forecasting process. Provide a flow chart which shows the position of each model in the forecasting process.	Type of data shown:	
Company FLORIDA POWER CORPORATION			XX Projected Test Year Ended	12/31/2002
			___ Prior Year Ended	xx/xx/xxxx
Docket No 000824-EI			Witness.	Crisp/Myers

Line No.	(Thousands)	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
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FLORIDA PUBLIC SERVICE COMMISSION	Explanation.	If a projected test year is used - for each load, fuel cost, or sales forecasting model, give a quantified explanation of the impact of changes in the inputs to changes in the outputs.	Type of data shown.	
Company: FLORIDA POWER CORPORATION			XX Projected Test Year Ended	12/31/2002
			__ Prior Year Ended	xx/xx/xxxx
Docket No. 000824-EI			Witness	Crisp

39

Line No	PERCENT CHANGE IN INPUT VARIABLE	PERCENT CHANGE IN OUTPUT VARIABLE
1		
2	+10% POPULATION GROWTH	+13.5% RESIDENTIAL CUSTOMER GROWTH
3		
4	+10% FLORIDA REAL PERSONAL INCOME	+ 2.5% RESIDENTIAL AVERAGE USAGE PER CUSTOMER
5		
6	+10% FLORIDA COMMERCIAL SECTOR EMPLOYMENT	+ 3.9% COMMERCIAL SALES
7		
8	+10% INDUSTRIAL PRODUCTION INDEX	+ 3.2% NONPHOSPHATE INDUSTRIAL SALES
9		
10	+10% FLORIDA GOVERNMENT SECTOR EMPLOYMENT	+ 3.9% PUBLIC AUTHORITY SALES
11		
12	+10% HEATING DEGREE DAYS	+ 0.7% RESIDENTIAL AVERAGE USAGE PER CUSTOMER
13		
14	+10% COOLING DEGREE DAYS	+ 2.1% RESIDENTIAL AVERAGE USAGE PER CUSTOMER
15		
16	5 DEGREE DECREASE IN 8AM WINTER DESIGN TEMPERATURE	+ 6.8% WINTER PEAK DEMAND
17		
18	5 DEGREE INCREASE IN 6PM SUMMER DESIGN TEMPERATURE	+ 5.1% SUMMER PEAK DEMAND
19		
20		
21		
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FLORIDA PUBLIC SERVICE COMMISSION	Explanation:	Provide the utility's service area's actual, projected (as applicable) and normal peak hour temperatures for each month of the test year and the five previous years. Provide the date, day of week and hour of peak. Provide a description of how actual, projected and normal peak hour temperatures for the utility's service area are derived	Type of data shown:	
Company: FLORIDA POWER CORPORATION			XX Projected Test Year Ended	12/31/2002
Docket No. 000824-EI			__ Prior Year Ended	xx/xx/xxxx
			Witness	Crisp

Line No.	Date/Hour	DOW	System Weighted Temp °F	Date/Hour	DOW	System Weighted Temp °F	Date/Hour	DOW	System Weighted Temp °F	Date/Hour	DOW	System Weighted Temp °F
1	01/09/1996 8:00	T	35.4	01/19/1997 8:00	SU	35.7	01/01/1998 9:00	TH	44.8	01/06/1999 8:00	W	35.1
2	02/05/1996 8:00	M	30.2	02/12/1997 8:00	W	49.3	02/10/1998 8:00	TH	48.2	02/23/1999 8:00	T	44.6
3	03/09/1996 9:00	SA	39.3	3/5/1997 17:00	W	80.1	03/13/1998 8:00	F	43.9	03/05/1999 8:00	F	49.6
4	04/29/1996 18:00	M	88.7	04/27/1997 18:00	SU	86.7	04/02/1998 17:00	TH	83.9	04/27/1999 20:00	T	85.7
5	05/23/1996 18:00	TH	90.1	05/27/1997 17:00	T	89.7	05/21/1998 17:00	TH	88.4	05/25/1999 18:00	T	87.9
6	06/25/1996 15:00	T	91.6	06/19/1997 17:00	TH	90.6	06/19/1998 15:00	F	93.4	06/15/1999 17:00	T	88.7
7	07/22/1996 18:00	M	91.5	07/03/1997 17:00	TH	93.8	07/02/1998 16:00	TH	94.7	07/21/1999 17:00	W	92.4
8	08/28/1996 17:00	W	87.4	08/12/1997 19:00	T	90.6	08/12/1998 17:00	W	91.7	08/30/1999 18:00	M	91.2
9	09/03/1996 17:00	T	90.6	09/16/1997 17:00	T	90.6	09/01/1998 16:00	TH	90.9	09/04/1999 18:00	SA	93.0
10	10/01/1996 17:00	T	82.9	10/01/1997 17:00	W	88.8	10/07/1998 17:00	W	88.7	10/11/1999 17:00	M	85.2
11	11/01/1996 16:00	F	81.0	11/17/1997 8:00	M	48.4	11/19/1998 19:00	TH	75.5	11/01/1999 19:00	M	76.4
12	12/20/1996 19:00	F	41.4	12/15/1997 19:00	M	49.9	12/18/1998 8:00	F	49.6	12/02/1999 8:00	TH	47.3

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15 Description:

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17 Peak hour temperatures are calculated differently based on whether the monthly peak was driven by winter weather conditions - resulting in a morning peak - or summer weather conditions - resulting in an afternoon peak. For winter weather (morning) peaks, system weighted temperatures in the hour before and hour ending the monthly peak hour are averaged. This result is given a 67% weight and is added to a 24-hour average ending the hour of monthly peak after a 33% weight is applied. Winter peak Temperature = (2-hr average) * .67 + (24-hr average) * .33. For summer weather (afternoon) peaks, a 5-hour average ending the hour of the peak is calculated using system weighted temperatures. For normal or projected peaks, an average of 25 years of winter and summer temperatures (as just described) at time of peak is calculated.

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FLORIDA PUBLIC SERVICE COMMISSION	Explanation.	Provide the utility's service area's actual, projected (as applicable) and normal peak hour temperatures for each month of the test year and the five previous years. Provide the date, day of week and hour of peak. Provide a description of how actual, projected and normal peak hour temperatures for the utility's service area are derived.	Type of data shown:	
Company, FLORIDA POWER CORPORATION			XX Projected Test Year Ended	12/31/2002
Docket No. 000824-EI			__ Prior Year Ended	xx/xx/xxxx
			Witness:	Crisp

Line No	Date/Hour	DOW	System Weighted Temp °F	Date	Normal Temp °F
1	01/27/2000 8:00	TH	37.5	January-02	36.0
2	02/06/2000 9:00	SU	46.0	February-02	42.6
3	03/31/2000 17:00	F	80.8	March-02	46.5
4	04/03/2000 18:00	M	82.4	April-02	85.3
5	05/26/2000 17:00	F	93.2	May-02	89.4
6	06/05/2000 17:00	M	92.5	June-02	91.4
7	07/12/2000 18:00	W	91.2	July-02	92.2
8	08/08/2000 18:00	T	91.6	August-02	92.6
9	09/14/2000 18:00	TH	88.9	September-02	90.3
10	10/05/2000 18:00	TH	87.5	October-02	86.8
11	11/22/2000 8:00	W	44.7	November-02	47.8
12	12/31/2000 8:00	SU	34.0	December-02	42.5
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