BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition of Progress Energy Florida for approval of an increase in its base rates and charges effective January 1, 2006.	Docket No. 050078-EI Submitted for filing: August 5, 2005

REBUTTAL TESTIMONY OF
JOHN B. CRISP

On behalf of PROGRESS ENERGY FLORIDA

R. Alexander Glenn
James A. McGee
Progress Energy Service Company, LLC
Post Office Box 14042 (33733)
100 Central Avenue (33701)
St. Petersburg, Florida
Telephone: 727-820-5184
Facsimile: 727-820-5519

And

Gary L. Sasso
James Michael Walls
John T. Burnett
Carlton Fields
Post Office Box 3239
4221 West Boy Scout Boulevard
Tampa, Florida 33607-5736

Attorneys for
PROGRESS ENERGY FLORIDA

REBUTTAL TESTIMONY OF

JOHN B. CRISP

I. Introduction and Purpose.

Q. Please state your name.

A. My name is John Benjamin Crisp.

Q. Did you submit Direct Testimony in this case on April 29, 2005?

A. Yes.

Q. Have you reviewed the intervenor testimony filed on behalf of the Office of Public Counsel ("OPC") and PCS Phosphate-White Springs ("White Springs")?

A. Yes. My review focused on the testimony of White Springs witness Maurice Brubaker, and OPC witness Donna Deronne. Particularly, I focused on Mr. Brubaker's comments regarding Progress Energy Florida's ("PEF") generation fleet, and Ms. Deronne's comments regarding the impact of the City of Winter Park purchasing PEF's distribution system in Winter Park as that transaction relates to PEF's loss of its Winter Park customers.

Q. What is the purpose of your rebuttal testimony in this proceeding?

A. The purpose of my rebuttal testimony is to respond to certain positions and arguments presented in the testimony of Mr. Brubaker and Ms. Deronne regarding the subjects that I previously noted. I also describe the development and results of PEF's revised load forecast, which responds to intervenor requests to remove the City of Winter Park-related load and energy from the retail jurisdiction and add it to the wholesale jurisdiction.

Q. Have you prepared any exhibits to your rebuttal testimony?

A. Yes, I have prepared or supervised the preparation of four rebuttal exhibits, as follows:

- Exhibit No. ___ (JBC-9), Revised Minimum Filing Requirement Schedules F-7 Forecasting Models – Historical Data and F-8 Assumptions.
- Exhibit No. ___ (JBC-10), Revised Energy Sales - Customers - Coincident Demand Forecast.
- Exhibit No. ___ (JBC-11), PEF Forecast Variance Review.
- Exhibit No. ___ (JBC-12), Forecast Comparison – Original vs. Revised.
- Exhibit No. ___ (JBC-13), 2003 Presentation to the Florida Public Service Commission Regarding Impact of Gas Prices on New Coal Capacity.

These exhibits are true and accurate.

II. Mr. Brubaker's Comments Regarding PEF's Generation Fleet.

Q. Are you familiar with Mr. Brubaker's comments regarding PEF's generation fleet?

A. Yes. Mr. Brubaker contends that PEF relies too heavily on generation units that are fueled by natural gas. He also contends that PEF has not "seriously analyzed" adding a new base load, coal-fired plant into its generation fleet and suggests that PEF should have pursued coal-fired generating units "more aggressively." While Mr. Brubaker appears to imply or suggest that PEF's fuel costs could have potentially been reduced had PEF made different generation choices, he comes to no real conclusion in his testimony and instead only urges the Commission to keep PEF's generation fleet choices "in mind while it evaluates PEF's requests" in this rate case proceeding.

Q. Do you agree with any of Mr. Brubaker's analysis?

A. No, I do not. In fact, Mr. Brubaker performs no meaningful analysis at all. Mr. Brubaker offers no economic analysis to support any of his statements, nor has he relied on or presented any pertinent factual information to substantiate his claims. Mr. Brubaker's lack of analysis is evidenced by the fact that he is unable to offer any substantive conclusions in his testimony and instead simply urges the Commission to keep certain "sound bites" from his testimony "in mind" as it rules on issues in this case.

Q. Has PEF over relied on gas-fired generation units as Mr. Brubaker suggests?

A. Not at all. First, it is important to note that this Commission reviewed, held workshops on, and deemed suitable, PEF's Ten Year Site Plans (documents that specifically detail PEF's forecasts for future generation plant types) for each of the years that Mr. Brubaker questions. Additionally, this Commission has also approved the reasonableness and prudency of each and every one of the gas-fired generation units that Mr. Brubaker criticizes. In essence, therefore, Mr. Brubaker – using hindsight analysis -- is questioning the Commission's judgment as well as PEF's on this topic.

As to the "substance" of Mr. Brubaker's comments, gas-fired generation units are needed in PEF's fleet for intermediate and peaking load service, which is PEF's current load growth area. PEF's existing base-load fleet has significant resources to adequately handle projected base-load requirements through 2014, and, at this time, PEF has no need for base-load generation until 2015-2016. As required by Florida law, life cycle economics are a major driver of PEF's decisions on additions to its generation fleet, and PEF's reliance

on a particular type of generation unit at any given time is determined by PEF's needs and by best cost practices that balance the type of generation needed with the most cost effective impact to its customers. PEF has employed such a process with respect to each of its additions to its generation fleet, and this has allowed PEF to maintain a prudent and diverse generation fuel mix while making the most cost effective choices for its customers.

Third, even if there were any merit to Mr. Brubaker's assertions, which there is not, Mr. Brubaker is attempting to use "20/20 hindsight" to second guess decisions that were made and approved based on facts, needs, and conditions as they existed at the time generation choices were made. If PEF were to employ Mr. Brubaker's "hindsight" approach to building generation units, PEF would never be able to build anything at all because it would have to necessarily wait until all future facts and variable were known before making a decision.

Q. Is Mr. Brubaker correct in his assertions that PEF has not been serious enough in evaluating and pursuing coal-fired generating units?

A. Not at all. Either Mr. Brubaker does not know, or he fails to mention, the fact that two years ago, I provided a presentation to the Commission regarding coal plant development issues as part of PEF's Ten Year Site Plan hearing. Slides from that presentation are included with this testimony as Exhibit No. ___ (JBC-12). In that presentation, PEF specifically addressed and evaluated the value of coal development versus natural gas. Additionally, PEF briefed the Commission on its significant concern over the delivered fuel cost spread between natural gas and coal, and the potential for any fuel savings from coal being offset or even overtaken by the significantly higher capital risk exposure that solid

fuel development requires. PEF also addressed the fact that coal plant costs may be drastically affected by environmental and other legislation, potentially making gas-fired units cheaper on a total dollar basis. Additionally, PEF explained that it is in the best interest of PEF and its ratepayers for PEF to carefully monitor unfolding relevant federal legislation and the potential for alternative generation incentives before making a decision on base-load fuel types. As I mentioned before, the Commission, fully aware of all these issues, deemed PEF's Ten Year Site Plan suitable two years ago when coal-fired generation was addressed in detail. The Commission has also deemed suitable all of PEF's subsequent Ten Year Site Plans. Thus, Mr. Brubaker's naked assertions that PEF has not seriously considered coal-fired units is belied by the significant consideration that both PEF and this Commission have given to coal-based generation issues.

III. Ms. Deronne's Comments Regarding the Winter Park Sale.

Q. Are you familiar with Ms. Deronne's comments regarding the impact of the City of Winter Park purchasing PEF's distribution system in Winter Park as that transaction relates to PEF's loss of its Winter Park customers?

A. Yes. Ms. Deronne criticizes PEF for not quantifying the impact of PEF's loss of its customers in the City of Winter Park.

Q. Why did PEF not include a quantification of that impact in its initial filings in this matter?

A. The closing of the sale of PEF's electric distribution system in Winter Park to the City of Winter Park did not take place until June 1, 2005, and PEF naturally could not account

for the loss of its customers in Winter Park as a matter of fact until the sales transaction was actually completed. Indeed, PEF and the City were still making adjustments to the number of actual customers that would be served by the City versus those that would remain with PEF up until a few days before the closing took place.

Once the Winter Park closing was finalized, PEF began the process to update certain portions of its rate case filing to account for the loss of customers and equipment items that were sold to the City. In doing so, PEF took into consideration recent sales forecasts that were prepared in anticipation for PEF's upcoming fuel adjustment docket as well as the annual budget development process. Given the Commission's directive in Docket No. 840001-EI, Order No. 13694 that a utility should notify the Commission of "material and significant changes in the basic assumptions supporting a company's request," PEF updated its entire forecast to incorporate material changes in the projections therein as well as to account for the most recent customer, energy, and coincident peak demand information available, including more recent economic and demographic projections. PEF used this new information to quantify the impact of the Winter Park sale. Using this procedure, PEF has recently completed amended schedules that include the impact of transferring its retail customers in Winter Park to the City of Winter Park in conjunction with PEF's updated forecasts. Those schedules are included with this testimony as Exhibit Nos. _____ (JBC-9, 10, 11, and 12).

Q. Why did PEF perform the updates to its forecast that you just discussed?

A. The forecast is being updated for two reasons. The first reason is in response to intervenor requests that PEF update its case to incorporate the loss of the City of Winter Park as a

retail jurisdictional customer and to show Winter Park as a wholesale customer. The second reason is to incorporate the most current information known to the Company as of this filing where such information constitutes a material change to the case. As mentioned before, PEF, while following its normal schedule of updating the annual corporate budget and fuel filing processes, has just completed the load and energy forecast phase and determined that the level of projected energy sales -- over and above the removal of Winter Park -- has changed materially enough to amend its filing. My Exhibit No. __ (JBC 10) details the revised test year forecast of customers and energy sales.

Q. Please explain the reasons for load forecast change.

A. The basic reason for updating the load forecast – besides removing Winter Park -- has been the divergence between weather normalized actual energy sales and the forecasted sales originally filed in this case. Material unfavorable energy sales forecast variances have occurred during the first six months of 2005. A table showing the year-to-date June 2005 forecast variances for billed accounts and MWH energy sales is presented in Exhibit No. ___ (JBC-11) "PEF Forecast Variance Review." What one notices from that exhibit is that PEF's customer growth has been stronger than expected while retail weather normalized energy sales have been significantly weaker than expected. The revised forecast incorporates a higher customer projection but a lower energy sales projection compared to the originally filed case. Also, the timing of the PEF budget development process involved a scheduled review and update of the company load and energy forecast during the June/July time frame. Updates of all economic and demographic variables from data sources (Economy.Com and University of Florida) were available and incorporated into the

update. These latest assumptions were run through the PEF load forecasting models resulting in the revised load forecast.

Q. What are the reasons for the lower energy sales projection?

A. As shown in Exhibit No. ___ (JBC-11) every customer class was experiencing unfavorable energy sales forecast variances. The retail jurisdiction had an unfavorable variance of over 600,000 MWH through June. Each class has its own reasons, but I can broadly say that weak customer growth is not one of them. Housing construction has continued at an accelerated pace, resulting in higher than expected customer growth. On the energy consumption side, the residential, commercial, and public authority customer classes reflect a significant deviation from the original forecast in average energy usage per customer. The "average" customer in these classes is not consuming as much power as originally projected. PEF's load forecasting models, which for these three customer classes project average kWh use per customer, produced lower projections in each case using more current projections of each required economic driver. In the industrial class, the phosphate mining sub-sector has not even consumed the same amount of energy as last year-to-date, never mind kept pace with a projected level that reflected an increase. A projected mine expansion by one customer, which has not materialized, and higher "self service" cogeneration on the part of another mining customer, have resulted in a minus 12.1% unfavorable energy forecast variance to this class sub-sector. Another industrial customer, a citrus processor, decided to not even start up its typical seasonal processing cycle due to the loss of its fruit supply due to hurricane damage. Finally, a large telecom manufacturing customer has given notice that it will be terminating operations at year end 2005. These

last two examples are reasons why the industrial, non-phosphate sub-sector now has a lower MWh energy projection.

Q. In summary terms, what is the impact in this proceeding of PEF's loss of the customers that PEF sold to Winter Park, taking into consideration PEF's revised sales forecasts?

A. On a billed basis, test year customers estimated to have been lost due to the transfer of 14,955 retail customers in Winter Park to the City is an energy impact of 473,563 MWh.

Q. Does this conclude your testimony?

A. Yes.

REVISED MINIMUM FILING REQUIREMENT SCHEDULES

Sponsored, All or in Part, by J. Ben Crisp

Schedule #	Schedule Title
F-7	Forecasting Models – Historical Data
F-8	Assumptions

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 1 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

1	DESCRIPTION OF INPUT VARIABLES:	
2	(1)	AVERAGE BILLING DAYS PER SALES MONTH
3	(2)	SERVICE AREA WEIGHTED BILLING MONTH DEGREE DAYS
4	(3)	REAL ELECTRICITY PRICES - PEF PRICE OF ELECTRICITY BY MAJOR CUSTOMER CLASS - 1982-84 CENTS/KWH
5	(4)	FLORIDA REAL TOTAL PERSONAL INCOME - IN MILLIONS OF 2000 DOLLARS
6	(5)	PERSONAL CONSUMPTION EXPENDITURES - IMPLICIT PRICE DEFLATOR - 2000=100
7	(6)	U.S. CONSUMER PRICE INDEX - ALL URBAN CONSUMERS - 1982-1984=100
8	(7)	FLORIDA SECTOR EMPLOYMENT - IN THOUSANDS
9	(8)	PEF MONTHLY NONDISPATCHABLE DSM IMPACTS BY CLASS - MWH
10	(9)	FLORIDA INDUSTRIAL PRODUCTION INDEX - 1997=100.
11	(10)	PEF SERVICE AREA POPULATION - ANNUAL
12	(11)	AVERAGE CONVENTIONAL MORTGAGE INTEREST RATE - % (ANNUAL)
13	(12)	MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - WINTER (JANUARY)
14	(13)	MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - FEBRUARY
15	(14)	MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - MARCH
16	(15)	MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - APRIL
17	(16)	MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - MAY
18	(17)	MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - JUNE
19	(18)	MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - JULY
20	(19)	MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - SUMMER (AUGUST)
21	(20)	MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - SEPTEMBER
22	(21)	MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - OCTOBER
23	(22)	MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - NOVEMBER
24	(23)	MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - DECEMBER
25		
26	DESCRIPTION OF OUTPUT VARIABLES:	
27	(24)	PEF BILLING MONTH ENERGY BY MAJOR CUSTOMER CLASS - MWH
28	(25)	PEF BILLING MONTH INDUSTRIAL SALES SUBSECTOR - MWH
29	(26)	PEF BILLING MONTH CUSTOMERS BY MAJOR CUSTOMER CLASS
30	(27)	PEF MONTHLY COINCIDENT PEAK - MW
31		
32		

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

Line No.	Year	Month	(1) Avg. Billing Days	(2) Service Area Weighted Degree Days Res-HDD	Res-CDD	Coml-CDD	(3) Electric Cents/KWh (1982-84 $) Residential	Commercial	Industrial	(4) FL Tot. Pers Income (Bill of 2000 $)	(5) U.S. Pers. Cons Exp. IPD (2000=100)	(6) U.S. CPI-U (1982-84=100)
1	1993	1	31.85	64.7	0.0	158.4	4.919	3.809	2.921	330,043	87.0	142.60
2	1993	2	29.55	116.1	0.0	86.0	4.891	3.876	2.940	328,853	87.1	143.10
3	1993	3	29.40	139.5	0.0	43.3	4.844	3.881	2.722	330,437	87.3	143.60
4	1993	4	30.25	48.9	0.0	127.5	5.464	4.181	3.028	332,029	87.5	144.00
5	1993	5	29.95	11.3	37.0	221.8	5.481	4.154	3.054	333,628	87.7	144.20
6	1993	6	30.60	0.0	355.7	523.3	5.323	4.085	3.089	334,001	87.8	144.40
7	1993	7	30.65	0.0	739.8	741.8	5.254	4.060	3.177	334,375	87.9	144.40
8	1993	8	31.15	0.0	876.5	876.5	5.199	4.019	3.064	334,750	88.0	144.80
9	1993	9	30.30	0.0	749.1	749.1	5.212	4.007	3.073	335,935	88.1	145.10
10	1993	10	29.90	0.3	497.5	583.6	5.242	4.024	3.095	337,124	88.3	145.70
11	1993	11	30.05	31.5	130.3	326.7	5.382	4.016	3.029	338,317	88.4	145.80
12	1993	12	31.70	73.9	10.1	168.6	5.369	3.974	2.944	337,648	88.6	145.80
13	1994	1	30.65	234.5	0.0	21.4	5.267	4.056	2.923	336,980	88.7	146.20
14	1994	2	29.40	149.9	0.0	76.7	5.298	4.059	2.935	336,313	88.8	146.70
15	1994	3	29.40	52.4	0.0	134.7	5.380	4.029	2.954	338,682	88.9	147.20
16	1994	4	32.05	26.8	86.0	245.1	5.342	3.879	2.868	341,067	89.1	147.40
17	1994	5	29.55	1.0	228.1	418.6	5.302	3.946	2.959	343,468	89.3	147.50
18	1994	6	30.65	0.0	451.5	545.5	5.230	3.882	2.933	344,186	89.5	148.00
19	1994	7	30.65	0.0	707.4	712.7	5.175	3.842	2.931	344,906	89.8	148.40
20	1994	8	29.70	0.0	652.1	660.3	5.168	3.848	2.923	345,627	90.1	149.00
21	1994	9	31.85	0.0	664.6	672.3	5.147	3.795	2.865	347,401	90.2	149.40
22	1994	10	29.75	0.1	431.6	520.8	5.422	4.048	3.112	349,185	90.3	149.50
23	1994	11	30.10	2.1	94.4	363.6	5.447	4.062	3.126	350,977	90.5	149.70
24	1994	12	31.55	28.2	29.6	254.3	5.468	4.011	3.033	352,927	90.6	149.70
25	1995	1	30.50	136.6	0.0	67.8	5.374	4.048	3.019	354,888	90.8	150.30
26	1995	2	29.65	223.6	0.0	33.6	5.309	4.127	3.006	356,860	90.9	150.90
27	1995	3	29.40	86.6	0.0	98.0	5.383	4.093	3.001	357,364	91.1	151.40
28	1995	4	31.40	14.4	18.7	213.5	5.533	3.856	2.858	357,870	91.2	151.90
29	1995	5	30.20	1.1	262.7	429.1	5.390	3.861	2.925	358,376	91.4	152.20
30	1995	6	30.80	0.0	602.9	630.8	5.262	3.856	2.908	359,224	91.5	152.50

Supporting Schedules

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
___Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
___Prior Year Ended ___/___/___
Witness: Crisp

Line No.	Year	Month	(1) Avg. Billing Days	(2) Service Area Weighted Degree Days Res-HDD	Res-CDD	Coml-CDD	(3) Electric Cents/KWh (1982-84 $) Residential	Commercial	Industrial	(4) FL Tot. Pers Income (Bill of 2000 $)	(5) U.S. Pers. Cons Exp. IPD (2000=100)	(6) U.S. CPI-U (1982-84=100)
1	1995	7	30.50	0.0	636.2	667.7	5.266	3.947	2.984	360,074	91.7	152.50
2	1995	8	29.70	0.0	729.2	729.2	5.232	3.855	2.909	360,927	91.8	152.90
3	1995	9	31.90	0.0	787.3	788.4	5.215	3.804	2.881	362,199	91.9	153.20
4	1995	10	29.70	0.2	647.2	670.5	5.276	3.873	2.883	363,476	92.1	153.70
5	1995	11	29.60	25.1	233.7	355.3	5.432	3.887	2.854	364,757	92.2	153.60
6	1995	12	30.65	90.9	10.6	99.5	5.455	3.919	2.787	366,568	92.4	153.50
7	1996	1	30.50	262.7	0.0	73.1	5.214	3.949	2.764	368,387	92.6	154.40
8	1996	2	31.05	214.7	0.0	37.5	5.248	3.894	2.758	370,216	92.8	154.90
9	1996	3	29.40	159.6	0.0	75.4	5.277	3.931	2.741	371,655	93.0	155.70
10	1996	4	30.35	95.8	0.0	118.9	5.316	3.839	2.694	373,099	93.1	156.30
11	1996	5	29.85	7.8	214.4	371.7	5.292	3.808	2.723	374,550	93.3	156.60
12	1996	6	32.20	0.1	604.9	646.5	5.129	3.733	2.726	375,601	93.5	156.70
13	1996	7	30.45	0.0	731.8	738.1	5.165	3.871	2.914	376,654	93.6	157.00
14	1996	8	31.15	0.0	802.6	802.6	5.117	3.853	2.917	377,711	93.7	157.30
15	1996	9	30.55	0.0	717.1	721.4	5.133	3.831	2.862	378,435	93.9	157.80
16	1996	10	29.65	1.2	470.4	547.0	5.209	3.888	2.900	379,161	94.1	158.30
17	1996	11	30.10	20.5	127.7	293.8	5.298	3.899	2.870	379,888	94.3	158.60
18	1996	12	31.50	72.3	13.2	111.0	5.297	3.876	2.894	381,501	94.5	158.60
19	1997	1	32.10	129.8	0.0	79.9	5.176	3.874	2.775	383,120	94.6	159.10
20	1997	2	29.50	133.7	0.0	60.7	5.236	3.944	2.783	384,746	94.8	159.60
21	1997	3	29.40	24.2	24.6	220.9	5.319	3.873	2.818	385,818	94.8	160.00
22	1997	4	30.80	5.5	7.1	247.6	5.556	3.968	2.891	386,893	94.9	160.20
23	1997	5	29.45	5.2	86.9	285.1	5.537	4.036	2.976	387,972	95.0	160.10
24	1997	6	30.75	0.2	376.3	523.9	5.361	3.961	2.875	389,786	95.0	160.30
25	1997	7	30.45	0.0	704.3	720.4	4.809	3.465	2.550	391,609	95.1	160.50
26	1997	8	29.75	0.0	754.3	754.9	5.096	3.765	2.790	393,441	95.2	160.80
27	1997	9	30.55	0.0	761.6	775.1	5.108	3.762	2.819	395,120	95.3	161.20
28	1997	10	31.05	0.3	585.0	644.7	5.132	3.730	2.770	396,807	95.4	161.60
29	1997	11	30.10	29.7	122.4	254.9	5.313	3.773	2.606	398,500	95.5	161.50
30	1997	12	31.70	97.4	11.6	134.7	5.268	3.739	2.791	402,383	95.6	161.30

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/____
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

Line No.	Year	Month	(1) Avg. Billing Days	(2) Service Area Weighted Degree Days Res-HDD	Res-CDD	Coml-CDD	(3) Electric Cents/KWh (1982-84 $) Residential	Commercial	Industrial	(4) FL Tot. Pers Income (Bill of 2000 $)	(5) U.S. Pers. Cons Exp IPD (2000=100)	(6) U.S. CPI-U (1982-84=100)
1	1998	1	31.90	153.2	15.6	135.4	5.167	3.736	2.699	406,303	95.6	161.60
2	1998	2	29.50	162.8	4.0	58.6	5.227	3.733	2.711	410,262	95.6	161.90
3	1998	3	29.35	130.6	5.0	68.7	5.245	3.780	2.700	412,755	95.7	162.20
4	1998	4	30.30	60.7	20.1	187.9	5.324	3.799	2.737	415,263	95.7	162.50
5	1998	5	30.05	5.7	135.0	308.1	5.292	3.799	2.755	417,787	95.8	162.80
6	1998	6	30.70	0.0	663.6	690.6	5.101	3.716	2.756	419,467	95.9	163.00
7	1998	7	29.40	0.0	849.4	849.4	5.065	3.721	2.744	421,155	96.0	163.20
8	1998	8	30.80	0.0	827.7	827.7	5.075	3.682	2.746	422,849	96.1	163.40
9	1998	9	30.25	0.0	776.4	780.4	5.078	3.686	2.740	424,022	96.2	163.60
10	1998	10	29.95	0.0	649.6	661.1	5.112	3.697	2.727	425,198	96.3	164.00
11	1998	11	30.05	5.5	197.8	349.5	5.241	3.734	2.740	426,377	96.4	164.00
12	1998	12	31.65	18.5	14.8	255.2	5.258	3.641	2.658	427,670	96.5	163.90
13	1999	1	31.95	135.3	0.0	108.7	5.110	3.631	2.633	428,966	96.6	164.30
14	1999	2	29.55	63.3	0.0	110.6	5.258	3.669	2.606	430,267	96.7	164.50
15	1999	3	29.40	119.5	0.0	37.0	5.198	3.664	2.621	431,073	96.9	165.00
16	1999	4	30.60	30.2	29.6	159.7	5.175	3.605	2.570	431,880	97.1	166.20
17	1999	5	29.60	14.2	109.2	297.5	5.120	3.656	2.640	432,689	97.3	166.20
18	1999	6	30.60	1.1	356.0	507.1	5.020	3.588	2.641	433,382	97.5	166.20
19	1999	7	30.65	0.0	651.5	653.4	4.967	3.539	2.619	434,076	97.7	166.70
20	1999	8	31.15	0.0	825.0	825.0	4.901	3.522	2.634	434,770	97.8	167.10
21	1999	9	30.30	0.0	750.7	754.7	4.900	3.510	2.603	436,446	98.0	167.90
22	1999	10	29.90	0.2	542.1	589.3	4.964	3.543	2.602	438,128	98.2	168.20
23	1999	11	30.05	14.6	176.6	315.1	5.111	3.575	2.579	439,817	98.4	168.30
24	1999	12	31.70	45.4	4.9	182.3	5.113	3.512	2.564	443,370	98.7	168.30
25	2000	1	30.65	118.0	0.0	81.6	4.952	3.526	2.534	446,951	99.0	168.80
26	2000	2	30.80	213.9	0.0	26.6	4.835	3.533	2.583	450,561	99.3	169.80
27	2000	3	29.40	40.6	0.0	92.3	4.994	3.468	2.511	452,337	99.4	171.20
28	2000	4	31.05	13.3	20.3	192.1	4.990	3.453	2.528	454,119	99.6	171.30
29	2000	5	30.55	6.0	107.4	288.8	4.896	3.485	2.609	455,908	99.8	171.50
30	2000	6	30.80	0.0	621.9	678.6	4.799	3.502	2.615	457,591	99.9	172.40

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

Line No.	Year	Month	(1) Avg. Billing Days	(2) Service Area Weighted Degree Days Res-HDD	Res-CDD	Coml-CDD	(3) Electric Cents/KWh (1982-84 $) Residential	Commercial	Industrial	(4) FL Tot. Pers Income (Bill of 2000 $)	(5) U.S. Pers. Cons Exp. IPD (2000=100)	(6) U.S. CPI-U (1982-84=100)
1	2000	7	31.95	0.0	760.4	774.3	4.872	3.569	2.731	459,280	100.1	172.80
2	2000	8	29.65	0.0	726.7	726.7	4.887	3.593	2.797	460,975	100.2	172.80
3	2000	9	31.95	0.0	776.9	780.2	4.845	3.537	2.739	461,550	100.4	173.70
4	2000	10	29.65	5.2	452.5	514.5	4.925	3.597	2.731	462,126	100.5	174.00
5	2000	11	29.80	16.0	21.3	197.6	5.084	3.620	2.702	462,703	100.7	174.10
6	2000	12	30.60	131.0	0.0	93.0	4.970	3.592	2.728	463,792	101.0	174.00
7	2001	1	31.95	330.7	0.0	45.5	4.958	3.721	2.842	464,883	101.2	175.10
8	2001	2	29.55	186.6	0.0	64.2	5.069	3.745	2.834	465,977	101.5	175.80
9	2001	3	29.40	47.0	3.2	152.4	5.184	3.710	2.816	466,703	101.7	176.20
10	2001	4	30.05	36.9	21.7	170.5	5.372	3.898	3.060	467,429	101.9	176.90
11	2001	5	30.15	8.4	52.0	281.5	5.320	3.940	3.059	468,157	102.1	177.70
12	2001	6	30.80	0.0	448.0	549.4	5.156	3.838	3.046	468,480	102.2	178.00
13	2001	7	30.50	0.0	654.8	670.5	5.155	3.855	3.030	468,803	102.2	177.50
14	2001	8	29.70	0.0	679.0	679.0	5.161	3.861	3.147	469,126	102.3	177.50
15	2001	9	31.95	0.0	731.6	753.8	5.115	3.826	3.068	470,096	102.3	178.30
16	2001	10	29.65	0.8	353.3	470.3	5.263	3.913	3.104	471,069	102.4	177.40
17	2001	11	30.60	16.0	142.5	194.5	5.337	3.906	3.055	472,043	102.4	177.40
18	2001	12	31.30	14.1	5.8	230.6	5.355	3.817	3.025	472,784	102.5	176.70
19	2002	1	31.85	217.1	8.6	90.6	5.092	3.797	2.985	473,526	102.6	177.10
20	2002	2	29.45	96.4	0.0	120.9	5.228	3.817	2.858	474,268	102.7	177.80
21	2002	3	29.40	116.6	0.0	85.9	5.166	3.815	2.906	475,245	102.9	178.80
22	2002	4	30.80	10.0	19.4	242.5	5.149	3.740	2.941	476,223	103.1	179.80
23	2002	5	29.50	0.3	329.8	471.5	4.610	3.414	2.680	477,204	103.4	179.80
24	2002	6	29.25	0.3	494.7	572.0	4.587	3.400	2.810	476,642	103.6	179.90
25	2002	7	30.50	0.0	620.4	632.9	4.608	3.368	2.716	476,081	103.7	180.10
26	2002	8	29.70	0.0	717.8	718.2	4.589	3.360	2.638	475,521	103.9	180.70
27	2002	9	30.55	0.0	723.2	723.8	4.580	3.356	2.651	476,068	104.0	181.00
28	2002	10	29.65	0.2	667.7	683.9	4.574	3.365	2.691	476,616	104.1	181.30
29	2002	11	31.55	15.0	281.0	416.0	4.577	3.373	2.645	477,164	104.2	181.30
30	2002	12	31.75	143.8	15.6	92.1	4.586	3.357	2.637	477,465	104.5	180.90

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

Line No.	Year	Month	(1) Avg. Billing Days	(2) Service Area Weighted Degree Days			(3) Electric Cents/KWh (1982-84 $)			(4) FL Tot. Pers Income	(5) U.S. Pers. Cons Exp.	(6) U.S. CPI-U
				Res-HDD	Res-CDD	Coml-CDD	Residential	Commercial	Industrial	(Bill of 2000 $)	IPD (2000=100)	(1982-84=100)
1	2003	1	31.85	271.7	0.0	27.1	4.549	3.360	2.602	477,767	104.8	181.70
2	2003	2	29.45	251.7	0.0	14.9	4.519	3.398	2.561	478,068	105.1	183.10
3	2003	3	29.40	41.7	30.7	193.0	4.550	3.313	2.611	479,424	105.1	184.20
4	2003	4	29.90	29.8	64.1	236.1	4.760	3.550	2.812	480,784	105.2	183.80
5	2003	5	30.40	5.3	221.8	408.1	4.735	3.553	2.859	482,148	105.3	183.50
6	2003	6	30.70	0.0	575.0	616.3	4.714	3.504	2.788	483,491	105.4	183.70
7	2003	7	30.60	0.0	706.7	706.7	4.757	3.548	2.810	484,838	105.5	183.90
8	2003	8	29.60	0.0	690.3	690.3	4.691	3.499	2.780	486,188	105.7	184.60
9	2003	9	32.05	0.0	719.3	722.9	4.663	3.430	2.774	488,537	105.8	185.20
10	2003	10	29.55	0.1	460.6	544.1	4.697	3.522	2.828	490,898	105.9	185.00
11	2003	11	28.65	2.2	167.0	370.6	4.714	3.512	2.753	493,270	106.0	184.50
12	2003	12	31.95	109.2	26.0	124.4	4.717	3.506	2.794	494,798	106.3	184.30
13	2004	1	31.65	183.0	0.0	36.4	4.964	3.860	3.028	496,331	106.6	185.20
14	2004	2	29.45	168.9	0.0	44.2	4.949	3.966	3.091	497,869	106.9	186.20
15	2004	3	29.40	96.0	0.0	99.3	4.947	3.890	3.053	500,204	107.1	187.40
16	2004	4	30.30	31.4	0.7	119.5	4.937	3.846	3.091	502,549	107.4	188.00
17	2004	5	29.90	6.7	98.9	286.1	4.919	3.876	3.041	504,905	107.7	189.10
18	2004	6	30.65	0.0	543.7	616.5	4.863	3.811	3.062	505,414	107.8	189.70
19	2004	7	30.65	0.0	776.6	779.5	4.867	3.807	4.202	505,924	107.9	189.40
20	2004	8	29.70	0.0	734.5	734.5	4.865	3.830	1.994	506,434	108.0	189.50
21	2004	9	30.30	0.0	745.8	746.3	4.791	3.839	3.088	511,152	108.3	189.90
22	2004	10	29.90	0.1	570.3	607.0	4.842	3.827	3.132	515,913	108.5	190.90
23	2004	11	30.05	1.9	158.7	359.5	4.852	3.810	3.027	520,718	108.7	191.00
24	2004	12	31.75	63.5	9.2	175.8	4.886	3.780	3.015	519,723	108.9	190.30
25	2005	1	31.75	163.1	0.0	67.4	5.114	4.068	3.286	518,729	109.1	190.70
26	2005	2	29.65	147.3	0.0	48.2	5.097	4.101	3.266	517,738	109.3	191.80
27	2005	3	29.55	91.4	3.8	95.4	5.078	4.049	3.269	520,628	109.5	193.30
28	2005	4	30.65	36.5	36.2	196.3	5.078	4.023	3.239	523,534	109.7	194.60
29	2005	5	29.40	5.6	163.7	404.0	5.059	4.012	3.240	526,456	110.0	193.34
30	2005	6	30.65	0.2	511.5	666.9	5.036	4.023	3.253	528,195	110.2	193.68

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

Line No.	Year	Month	(1) Avg. Billing Days	(2) Service Area Weighted Degree Days Res-HDD	Res-CDD	Coml-CDD	(3) Electric Cents/KWh (1982-84 $) Residential	Commercial	Industrial	(4) FL Tot. Pers Income (Bill of 2000 $)	(5) U.S. Pers. Cons Exp. IPD (2000=100)	(6) U.S. CPI-U (1982-84=100)
1	2005	7	30.65	0.0	754.5	827.6	5.025	4.001	3.232	529,939	110.4	194.02
2	2005	8	31.10	0.0	799.1	853.0	5.017	3.993	3.227	531,689	110.6	194.37
3	2005	9	30.45	0.0	783.9	845.3	5.011	4.004	3.236	533,157	110.8	194.68
4	2005	10	29.75	0.9	541.6	663.5	5.015	3.987	3.211	534,630	111.0	195.00
5	2005	11	30.25	16.0	158.3	388.1	5.051	3.992	3.218	536,107	111.2	195.32
6	2005	12	31.65	76.9	26.7	214.1	5.004	3.976	3.197	537,494	111.4	195.75
7	2006	1	31.70	163.6	2.1	122.3	5.378	4.271	3.410	538,884	111.6	196.18
8	2006	2	29.60	172.9	0.3	88.4	5.384	4.316	3.456	540,278	111.9	196.62
9	2006	3	29.40	102.8	8.3	137.3	5.379	4.243	3.393	541,475	112.1	197.05
10	2006	4	30.00	36.0	37.3	247.7	5.377	4.248	3.402	542,675	112.4	197.48
11	2006	5	30.20	5.6	163.7	404.0	5.336	4.212	3.383	543,878	112.6	197.91
12	2006	6	30.80	0.2	511.5	666.9	5.310	4.222	3.395	545,051	112.9	198.37
13	2006	7	30.50	0.0	754.5	827.6	5.295	4.196	3.371	546,226	113.1	198.84
14	2006	8	31.10	0.0	799.1	853.0	5.283	4.184	3.364	547,404	113.3	199.31
15	2006	9	30.50	0.0	783.9	845.3	5.273	4.194	3.371	548,475	113.6	199.77
16	2006	10	29.70	0.9	541.6	663.5	5.274	4.173	3.342	549,549	113.8	200.23
17	2006	11	30.50	16.0	158.3	388.1	5.308	4.176	3.348	550,624	114.0	200.69
18	2006	12	31.30	76.9	26.7	214.1	5.259	4.157	3.325	551,825	114.2	201.16
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

Line No.	Year	Month	(7) FL Employment (000) Commercial	(7) FL Employment (000) Governmental	(8) PEF Nondispatchable DSM - MWh RES	(8) PEF Nondispatchable DSM - MWh COM	(8) PEF Nondispatchable DSM - MWh IND	(8) PEF Nondispatchable DSM - MWh SPA	(9) FL Ind. Production Index (1997=100)
1	1993	1	3,814.6	875.0	23,278	17,924	1,692	4,829	77.7
2	1993	2	3,866.6	888.3	18,610	14,784	1,537	4,084	77.8
3	1993	3	3,907.2	893.4	16,848	11,411	1,259	3,811	77.8
4	1993	4	3,933.6	895.7	14,313	10,946	1,185	3,584	77.8
5	1993	5	3,929.5	890.4	14,969	12,172	1,324	3,733	77.8
6	1993	6	3,936.3	880.2	15,840	13,564	1,515	3,997	77.9
7	1993	7	3,904.7	829.9	15,153	14,566	1,700	3,986	77.9
8	1993	8	3,914.8	817.2	16,816	17,521	2,022	4,579	78.0
9	1993	9	3,929.7	885.4	16,325	15,125	1,777	4,335	78.3
10	1993	10	3,955.2	906.3	14,002	13,768	1,698	4,102	78.6
11	1993	11	4,006.7	908.0	14,425	15,133	1,847	4,262	78.9
12	1993	12	4,065.8	909.7	21,356	18,926	2,061	5,264	79.2
13	1994	1	4,008.4	900.6	26,654	19,962	2,059	5,846	79.4
14	1994	2	4,056.5	913.7	21,246	16,747	1,911	5,115	79.7
15	1994	3	4,109.3	919.5	18,380	13,192	1,560	4,701	80.3
16	1994	4	4,118.5	921.2	14,888	12,637	1,553	4,619	80.9
17	1994	5	4,120.1	917.1	16,049	13,871	1,705	4,789	81.4
18	1994	6	4,127.0	907.7	17,087	15,269	1,920	5,075	81.7
19	1994	7	4,088.6	851.0	16,400	16,254	2,108	5,046	82.0
20	1994	8	4,105.3	835.1	18,072	19,377	2,466	5,736	82.3
21	1994	9	4,125.8	924.4	17,537	16,738	2,168	5,357	82.9
22	1994	10	4,132.8	931.2	14,702	15,296	2,060	5,063	83.5
23	1994	11	4,196.7	973.2	15,052	16,605	2,169	5,125	84.1
24	1994	12	4,265.2	932.3	23,114	20,499	2,346	6,093	84.5
25	1995	1	4,192.7	917.2	29,117	21,467	2,304	6,592	85.0
26	1995	2	4,245.3	932.5	23,195	18,258	2,200	5,929	85.4
27	1995	3	4,295.1	939.8	19,638	14,603	1,802	5,398	85.6
28	1995	4	4,266.3	936.3	15,525	14,114	1,940	5,598	85.8
29	1995	5	4,278.8	935.4	16,974	15,434	2,150	5,863	86.0
30	1995	6	4,290.0	921.6	18,129	16,921	2,437	6,254	86.4

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

Line No.	Year	Month	(7) FL Employment (000) Commercial	(7) FL Employment (000) Governmental	(8) PEF Nondispatchable DSM - MWh RES	(8) PEF Nondispatchable DSM - MWh COM	(8) PEF Nondispatchable DSM - MWh IND	(8) PEF Nondispatchable DSM - MWh SPA	(9) FL Ind. Production Index (1997=100)
1	1995	7	4,236.9	856.2	17,442	17,965	2,671	6,274	86.8
2	1995	8	4,262.1	841.4	19,161	21,334	3,123	7,153	87.1
3	1995	9	4,284.7	931.0	18,601	18,532	2,799	6,679	87.5
4	1995	10	4,301.8	932.4	15,397	17,083	2,688	6,358	87.8
5	1995	11	4,378.6	937.7	15,710	18,367	2,765	6,308	88.1
6	1995	12	4,442.7	938.7	24,730	22,373	2,904	7,226	88.4
7	1996	1	4,332.3	927.5	31,380	23,298	2,822	7,625	88.8
8	1996	2	4,386.0	940.4	25,006	20,236	2,811	6,994	89.1
9	1996	3	4,440.3	970.2	20,857	16,509	2,347	6,189	89.8
10	1996	4	4,412.0	941.7	16,216	16,187	2,643	6,699	90.4
11	1996	5	4,427.1	940.1	17,915	17,642	2,902	6,947	91.1
12	1996	6	4,429.3	924.8	19,267	19,327	3,282	7,319	91.6
13	1996	7	4,399.7	858.3	18,683	20,551	3,589	7,264	92.1
14	1996	8	4,429.9	849.5	20,459	24,129	4,142	8,132	92.6
15	1996	9	4,448.4	938.4	19,785	21,216	3,754	7,482	93.3
16	1996	10	4,464.0	944.9	16,201	19,793	3,649	7,044	93.9
17	1996	11	4,534.7	952.3	16,693	20,982	3,782	6,869	94.6
18	1996	12	4,600.7	952.4	26,772	25,846	4,046	7,804	95.3
19	1997	1	4,521.4	947.7	33,893	27,250	4,057	8,192	96.1
20	1997	2	4,567.4	954.8	26,945	23,324	3,878	7,449	96.8
21	1997	3	4,620.6	956.4	22,155	19,014	3,282	6,567	97.4
22	1997	4	4,625.0	955.0	17,032	18,393	3,310	7,014	98.1
23	1997	5	4,637.2	956.0	18,995	19,724	3,509	7,242	98.7
24	1997	6	4,641.3	943.2	20,712	21,374	3,884	7,609	99.4
25	1997	7	4,613.2	877.4	20,343	22,499	4,167	7,541	100.2
26	1997	8	4,639.7	867.9	22,146	25,876	4,669	8,381	100.9
27	1997	9	4,671.0	951.1	21,236	22,657	4,156	7,684	101.7
28	1997	10	4,680.6	962.0	17,180	20,977	3,965	7,209	102.5
29	1997	11	4,735.9	965.5	17,959	21,892	4,019	6,995	103.4
30	1997	12	4,800.7	969.2	29,333	26,969	4,248	7,950	103.9

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

Line No.	Year	Month	(7) FL Employment (000) Commercial	(7) FL Employment (000) Governmental	(8) PEF Nondispatchable DSM - MWh RES	(8) PEF Nondispatchable DSM - MWh COM	(8) PEF Nondispatchable DSM - MWh IND	(8) PEF Nondispatchable DSM - MWh SPA	(9) FL Ind. Production Index (1997=100)
1	1998	1	4,738.7	964.6	36,972	28,285	4,186	8,321	104.5
2	1998	2	4,787.6	969.5	29,256	24,200	3,987	7,559	105.1
3	1998	3	4,828.8	974.0	23,667	19,758	3,375	6,660	105.6
4	1998	4	4,811.3	967.2	18,007	19,167	3,407	7,111	106.2
5	1998	5	4,818.1	967.9	20,238	20,638	3,623	7,356	106.7
6	1998	6	4,837.3	952.6	22,365	22,461	4,020	7,745	107.2
7	1998	7	4,804.2	890.0	22,208	23,744	4,322	7,697	107.8
8	1998	8	4,822.1	873.5	24,014	27,214	4,836	8,548	108.3
9	1998	9	4,838.2	963.5	22,820	23,999	4,324	7,852	108.7
10	1998	10	4,884.4	973.5	18,229	22,335	4,134	7,379	109.0
11	1998	11	4,944.5	978.6	19,335	23,218	4,185	7,161	109.4
12	1998	12	5,008.7	982.7	32,048	29,029	4,505	8,208	110.0
13	1999	1	4,903.9	965.7	40,003	28,785	4,275	8,321	110.5
14	1999	2	4,963.8	978.0	31,632	24,627	4,069	7,559	111.0
15	1999	3	5,008.7	981.8	25,523	20,107	3,444	6,660	111.4
16	1999	4	4,996.8	980.2	19,381	19,505	3,476	7,111	111.8
17	1999	5	5,001.8	979.4	21,806	21,001	3,697	7,356	112.2
18	1999	6	5,025.7	964.1	24,142	22,857	4,101	7,745	112.7
19	1999	7	4,967.8	895.6	24,007	24,162	4,410	7,697	113.3
20	1999	8	4,990.5	881.5	25,936	27,690	4,934	8,548	113.9
21	1999	9	4,998.0	973.2	24,616	24,420	4,412	7,852	114.5
22	1999	10	5,032.1	988.5	19,620	22,728	4,218	7,379	115.2
23	1999	11	5,103.8	996.8	20,848	23,624	4,270	7,161	115.9
24	1999	12	5,175.0	1,002.5	34,645	29,540	4,599	8,208	116.5
25	2000	1	5,087.2	991.6	42,816	29,383	4,300	8,321	117.2
26	2000	2	5,132.1	1,001.5	33,837	25,136	4,093	7,559	117.9
27	2000	3	5,195.1	1,009.7	27,246	20,523	3,464	6,660	118.8
28	2000	4	5,180.9	1,014.6	20,657	19,909	3,496	7,111	119.6
29	2000	5	5,190.1	1,034.1	23,262	21,435	3,719	7,356	120.5
30	2000	6	5,216.6	948.3	25,791	23,330	4,125	7,745	120.6

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended __/__/__
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended __/__/__
Witness: Crisp

Line No.	Year	Month	(7) FL Employment (000) Commercial	(7) FL Employment (000) Governmental	(8) PEF Nondispatchable DSM - MWh RES	(8) PEF Nondispatchable DSM - MWh COM	(8) PEF Nondispatchable DSM - MWh IND	(8) PEF Nondispatchable DSM - MWh SPA	(9) FL Ind. Production Index (1997=100)
1	2000	7	5,169.8	932.7	25,677	24,663	4,436	7,697	120.8
2	2000	8	5,199.6	1,005.7	27,719	28,259	4,963	8,548	120.9
3	2000	9	5,224.8	1,009.9	26,283	24,924	4,437	7,852	121.0
4	2000	10	5,236.2	1,018.2	20,910	23,198	4,242	7,379	121.0
5	2000	11	5,305.8	1,025.4	22,252	24,109	4,294	7,161	121.1
6	2000	12	5,364.8	1,029.1	37,056	30,150	4,626	8,208	120.7
7	2001	1	5,227.8	1,014.7	45,517	29,722	4,326	8,321	120.2
8	2001	2	5,283.2	1,028.2	35,956	25,425	4,117	7,559	119.8
9	2001	3	5,336.1	1,034.3	28,900	20,759	3,484	6,660	119.2
10	2001	4	5,307.7	1,035.2	21,883	20,137	3,517	7,111	118.6
11	2001	5	5,309.1	1,036.6	24,660	21,682	3,740	7,356	118.0
12	2001	6	5,309.4	968.8	27,376	23,598	4,149	7,745	117.5
13	2001	7	5,244.2	952.9	27,281	24,946	4,461	7,697	117.0
14	2001	8	5,262.1	1,033.2	29,432	28,581	4,991	8,548	116.5
15	2001	9	5,259.8	1,039.2	27,884	25,209	4,463	7,852	116.1
16	2001	10	5,250.2	1,041.7	22,150	23,465	4,267	7,379	115.8
17	2001	11	5,293.1	1,047.8	23,600	24,384	4,319	7,161	115.5
18	2001	12	5,333.1	1,049.2	39,372	30,496	4,653	8,208	115.5
19	2002	1	5,228.2	1,033.9	48,539	30,049	4,353	8,321	115.6
20	2002	2	5,272.7	1,044.2	38,324	25,704	4,142	7,559	115.6
21	2002	3	5,326.5	1,048.8	30,750	20,987	3,505	6,660	115.8
22	2002	4	5,310.7	1,049.3	23,253	20,359	3,538	7,111	116.1
23	2002	5	5,315.6	1,053.7	26,223	21,919	3,763	7,356	116.3
24	2002	6	5,308.0	977.9	29,147	23,856	4,174	7,745	116.5
25	2002	7	5,251.2	964.0	29,074	25,220	4,488	7,697	116.7
26	2002	8	5,266.5	1,048.2	31,348	28,892	5,021	8,548	116.9
27	2002	9	5,269.5	1,056.6	29,675	25,485	4,489	7,852	116.7
28	2002	10	5,290.2	1,062.0	23,537	23,722	4,292	7,379	116.5
29	2002	11	5,353.3	1,064.8	25,108	24,649	4,344	7,161	116.4
30	2002	12	5,407.1	1,067.5	41,962	30,831	4,681	8,208	116.4

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

Line No.	Year	Month	(7) FL Employment (000) Commercial	(7) FL Employment (000) Governmental	(8) PEF Nondispatchable DSM - MWh RES	(8) PEF Nondispatchable DSM - MWh COM	(8) PEF Nondispatchable DSM - MWh IND	(8) PEF Nondispatchable DSM - MWh SPA	(9) FL Ind. Production Index (1997=100)
1	2003	1	5,302.2	1,052.7	51,569	30,440	4,379	8,321	116.3
2	2003	2	5,343.3	1,063.5	40,700	26,037	4,167	7,559	116.3
3	2003	3	5,391.8	1,067.1	32,606	21,259	3,526	6,660	116.1
4	2003	4	5,375.5	1,065.6	24,628	20,622	3,558	7,111	115.8
5	2003	5	5,368.1	1,072.0	27,791	22,203	3,785	7,356	115.5
6	2003	6	5,359.2	993.9	30,924	24,165	4,198	7,745	115.9
7	2003	7	5,310.5	981.0	30,874	25,547	4,514	7,697	116.4
8	2003	8	5,329.2	1,057.0	33,269	29,263	5,050	8,548	116.8
9	2003	9	5,340.7	1,062.9	31,471	25,814	4,516	7,852	117.3
10	2003	10	5,375.9	1,071.0	24,927	24,029	4,317	7,379	117.8
11	2003	11	5,420.4	1,073.8	26,621	24,966	4,370	7,161	118.4
12	2003	12	5,482.8	1,075.7	44,559	31,229	4,709	8,208	118.9
13	2004	1	5,425.6	1,064.6	54,742	30,706	4,406	8,321	119.5
14	2004	2	5,474.7	1,077.8	43,188	26,264	4,192	7,559	120.0
15	2004	3	5,526.7	1,080.6	34,549	21,445	3,547	6,660	120.6
16	2004	4	5,560.2	1,080.7	26,067	20,802	3,579	7,111	121.1
17	2004	5	5,559.3	1,080.8	29,432	22,396	3,807	7,356	121.7
18	2004	6	5,560.7	1,004.8	32,785	24,376	4,223	7,745	122.1
19	2004	7	5,524.2	993.4	32,757	25,770	4,540	7,697	122.5
20	2004	8	5,529.5	1,072.9	35,281	29,516	5,079	8,548	122.9
21	2004	9	5,527.1	1,078.8	33,352	26,039	4,542	7,852	123.5
22	2004	10	5,576.9	1,094.3	26,383	24,238	4,342	7,379	124.1
23	2004	11	5,635.7	1,102.0	28,205	25,182	4,395	7,161	124.7
24	2004	12	5,696.7	1,096.9	47,279	31,501	4,737	8,208	125.3
25	2005	1	5,622.0	1,085.5	57,500	30,967	4,432	8,321	125.9
26	2005	2	5,672.8	1,098.4	45,350	26,486	4,216	7,559	126.4
27	2005	3	5,718.2	1,102.5	36,238	21,627	3,568	6,660	126.8
28	2005	4	5,688.2	1,084.4	27,318	20,979	3,600	7,111	127.1
29	2005	5	5,716.0	1,077.5	30,860	22,586	3,829	7,356	127.4
30	2005	6	5,714.0	1,072.4	34,403	24,583	4,247	7,745	127.7

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

Line No.	Year	Month	(7) FL Employment (000) Commercial	(7) FL Employment (000) Governmental	(8) PEF Nondispatchable DSM - MWh RES	(8) PEF Nondispatchable DSM - MWh COM	(8) PEF Nondispatchable DSM - MWh IND	(8) PEF Nondispatchable DSM - MWh SPA	(9) FL Ind. Production Index (1997=100)
1	2005	7	5,712.2	1,067.4	34,395	25,988	4,567	7,697	128.1
2	2005	8	5,710.4	1,062.3	37,030	29,765	5,109	8,548	128.4
3	2005	9	5,749.1	1,078.0	34,987	26,259	4,568	7,852	128.7
4	2005	10	5,788.0	1,093.8	27,649	24,444	4,367	7,379	129.0
5	2005	11	5,827.3	1,109.9	29,582	25,394	4,420	7,161	129.3
6	2005	12	5,836.7	1,108.8	49,643	31,768	4,765	8,208	129.6
7	2006	1	5,846.2	1,107.6	59,372	31,226	4,459	8,321	129.9
8	2006	2	5,855.9	1,106.4	46,818	26,707	4,241	7,559	130.2
9	2006	3	5,875.6	1,100.5	37,384	21,807	3,588	6,660	130.5
10	2006	4	5,895.4	1,094.6	28,167	21,153	3,621	7,111	130.9
11	2006	5	5,915.3	1,088.7	31,828	22,774	3,851	7,356	131.2
12	2006	6	5,912.9	1,085.8	35,500	24,787	4,272	7,745	131.5
13	2006	7	5,910.5	1,082.9	35,506	26,204	4,593	7,697	131.9
14	2006	8	5,908.1	1,080.0	38,217	30,010	5,138	8,548	132.2
15	2006	9	5,931.5	1,091.7	36,096	26,476	4,594	7,852	132.5
16	2006	10	5,955.0	1,103.6	28,508	24,647	4,392	7,379	132.9
17	2006	11	5,978.5	1,115.5	30,516	25,603	4,446	7,161	133.2
18	2006	12	5,985.6	1,115.7	51,247	32,032	4,793	8,208	133.5
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

Line No.	Year	(10) PEF Service Area Population	(11) Conventional Mortgage Interest Rate (%)
1			
2	1984	3,455,803	13.87
3	1985	3,583,736	12.43
4	1986	3,704,212	10.18
5	1987	3,824,876	10.20
6	1988	3,937,374	10.33
7	1989	4,058,226	10.32
8	1990	4,163,028	10.13
9	1991	4,268,010	9.25
10	1992	4,346,125	8.40
11	1993	4,432,988	7.33
12	1994	4,521,584	8.36
13	1995	4,617,980	7.95
14	1996	4,704,102	7.81
15	1997	4,801,846	7.60
16	1998	4,894,503	6.95
17	1999	5,012,899	7.43
18	2000	5,152,262	8.06
19	2001	5,278,067	6.97
20	2002	5,397,003	6.54
21	2003	5,531,162	5.82
22	2004	5,671,709	5.84
23	2005	5,795,100	6.17
24	2006	5,913,033	7.21
25			
26			
27			
28			
29			
30			

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

(12) MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - WINTER (JANUARY)

Line No.	Date	Recorded Peak	Direct Load Control	Firm Retail Not Served	Nondispatchable DSM	SS COGEN	TOTAL IS/CS	w/Co Use Firm Retail MW Pre DSM	R,C,& I Customer Forecast	R,C, & I Customers Adj. for EDB & SSR	Temp@Peak 2 Hr	Temp@Peak 24 Hr
1	01/15/75 08:00	3,002	0	0	0	0	185	2,331	622,729	622,729	40.90	45.44
2	01/19/76 08:00	3,511	140	0	0	0	305	2,724	642,370	642,370	35.85	40.04
3	01/19/77 11:00	3,875	220	250	0	0	254	3,415	667,012	667,012	30.25	38.32
4	02/07/78 09:00	4,125	0	0	0	0	155	3,276	699,885	699,885	36.50	43.66
5	01/04/79 08:00	4,224	30	0	0	0	187	3,327	728,064	728,064	38.80	39.30
6	03/03/80 09:00	4,419	290	141	0	0	311	3,709	769,947	769,947	34.35	37.33
7	01/13/81 09:00	5,088	250	0	0	11	290	4,127	796,461	796,461	31.23	34.85
8	01/12/82 08:00	5,347	0	0	10	12	139	4,213	824,522	824,522	28.35	34.81
9	01/14/83 08:00	4,701	76	0	22	36	149	3,691	853,487	853,487	40.40	46.32
10	12/27/83 09:00	4,913	206	0	39	36	168	4,021	879,822	879,822	40.03	37.41
11	01/22/85 09:00	5,813	272	0	60	42	177	5,289	928,445	928,445	27.00	31.75
12	01/28/86 08:00	5,977	253	0	75	51	146	5,443	968,355	968,355	27.48	40.48
13	02/10/87 08:00	5,087	200	0	85	58	167	4,744	1,015,858	1,015,858	40.68	46.99
14	01/28/88 08:00	6,188	0	0	90	61	183	5,430	1,049,378	1,049,378	38.20	44.84
15	02/24/89 08:00	6,137	493	0	96	66	202	5,931	1,092,496	1,092,496	36.38	42.07
16	12/23/89 18:00	6,817	614	0	99	66	230	6,384	1,118,486	1,118,486	31.18	38.97
17	02/16/91 09:00	6,056	0	0	103	66	163	5,288	1,157,960	1,157,960	34.75	48.89
18	01/17/92 08:00	6,982	0	0	115	66	181	6,010	1,175,043	1,175,043	36.80	44.59
19	03/15/93 07:00	6,219	107	675	124	66	155	6,185	1,204,634	1,204,634	37.55	42.90
20	02/03/94 08:00	6,955	7	0	157	66	199	6,014	1,237,906	1,237,906	39.33	45.87
21	02/09/95 08:00	7,722	1,120	0	176	66	281	7,657	1,262,674	1,262,674	31.08	41.74
22	02/05/96 08:00	8,807	1,482	0	201	72	255	8,822	1,284,588	1,284,588	27.15	36.34
23	01/19/97 08:00	8,066	111	0	238	72	290	6,963	1,306,626	1,306,626	33.93	39.08
24	03/13/98 08:00	6,885	516	0	241	75	351	6,426	1,330,183	1,330,183	42.85	46.02
25	01/06/99 08:00	8,936	1,149	0	313	75	334	8,400	1,348,608	1,345,608	33.45	38.31
26	01/27/00 08:00	9,303	395	0	348	75	326	8,067	1,378,860	1,371,076	35.43	41.60
27	01/05/01 08:00	9,839	1,162	0	374	75	248	9,219	1,417,453	1,410,390	31.20	40.08
28	01/09/02 08:00	9,721	376	105	399	75	294	8,757	1,446,162	1,437,323	31.63	41.04
29	01/24/03 08:00	10,507	536	0	437	75	263	9,754	1,477,251	1,468,022	27.53	43.83
30	01/29/04 08:00	8,748	0	0	421	75	315	7,391	1,512,696	1,502,612	40.25	48.03
31	Jan-05								1,541,365	1,536,193	35.80	41.40
32	Jan-06								1,569,867	1,564,599	35.80	41.40

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
___Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
___Prior Year Ended ___/___/___
Witness: Crisp

(13) MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - FEBRUARY

Line No.	Date	Recorded Peak	Direct Load Control	Firm Retail Not Served	Nondispatchable DSM	SS COGEN	TOTAL IS/CS	w/Co Use Firm Retail MW Pre DSM	R,C,& I Customer Forecast	R,C, & I Customers Adj. for EDB & SSR	Temp@Peak 2 Hr	Temp@Peak 24 Hr
1	02/02/80 09:00	4,391	0	0	0	0	0	3,720	767,305	767,305	40.85	41.48
2	02/04/81 08:00	4,610	0	0	0	11	0	3,754	800,402	800,402	36.78	42.17
3	02/23/82 08:00	3,374	0	0	11	12	0	2,781	827,913	827,913	50.00	58.10
4	02/09/83 08:00	4,554	0	0	23	36	0	3,806	858,177	858,177	41.35	48.83
5	02/07/84 08:00	4,711	0	0	43	36	0	4,165	894,287	894,287	38.65	45.77
6	02/13/85 08:00	4,516	0	0	61	42	186	4,027	933,728	933,728	44.13	49.66
7	02/14/86 08:00	4,651	0	0	76	51	182	4,081	974,409	974,409	43.18	45.94
8	02/10/87 08:00	5,087	200	0	85	58	167	4,741	1,015,858	1,015,858	40.68	46.99
9	02/07/88 09:00	5,385	0	0	90	61	242	4,492	1,055,127	1,055,127	43.68	43.76
10	02/24/89 08:00	6,137	493	0	96	66	202	6,007	1,092,496	1,092,496	36.38	42.07
11	02/26/90 08:00	4,345	0	0	66	51	193	3,923	1,130,677	1,130,677	51.23	55.41
12	02/16/91 09:00	6,056	0	0	103	66	163	5,288	1,157,960	1,157,960	34.75	48.89
13	02/09/92 09:00	5,390	0	0	114	66	165	4,790	1,179,614	1,179,614	46.60	51.98
14	02/19/93 08:00	6,134	11	0	130	66	230	5,312	1,202,501	1,202,501	36.73	51.46
15	02/03/94 08:00	6,955	7	0	157	66	199	6,014	1,237,906	1,237,906	39.33	45.87
16	02/09/95 08:00	7,722	1,120	0	176	66	281	7,657	1,262,674	1,262,674	31.08	41.74
17	02/05/96 08:00	8,807	1,482	0	201	72	255	8,822	1,284,588	1,284,588	27.15	36.34
18	02/08/97 08:00	5,794	497	0	230	72	346	5,554	1,310,073	1,310,073	47.35	52.92
19	02/10/98 08:00	6,156	504	0	269	75	344	5,919	1,328,366	1,328,366	46.20	52.07
20	02/23/99 08:00	7,470	0	0	302	75	347	6,407	1,354,441	1,352,041	43.38	46.94
21	02/06/00 09:00	5,508	0	0	335	75	293	5,024	1,384,909	1,381,190	45.23	47.32
22	02/06/01 08:00	7,735	0	0	362	75	320	6,598	1,422,826	1,417,737	38.95	51.49
23	02/28/02 08:00	8,941	0	0	384	75	310	7,681	1,453,892	1,447,358	35.70	44.77
24	02/08/03 08:00	6,508	0	0	421	75	251	6,108	1,482,847	1,478,137	47.10	55.50
25	02/19/04 08:00	7,791	0	0	450	75	271	7,146	1,516,880	1,510,474	43.28	50.34
26	February-05								1,546,560	1,538,910	41.40	47.00
27	February-06								1,575,067	1,567,277	41.40	47.00
28												
29												
30												
31												
32												

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

(14) MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - MARCH

Line No.	Date	Recorded Peak	Direct Load Control	Firm Retail Not Served	Nondispatchable DSM	SS COGEN	TOTAL IS/CS	w/Co Use Firm Retail MW Pre DSM	R,C,& I Customer Forecast	R,C, & I Customers Adj. for EDB & SSR	Temp@Peak 2 Hr	Temp@Peak 24 Hr
1	03/03/80 09:00	4,419	290	141	0	0	311	3,751	769,947	769,947	34.35	37.33
2	03/24/81 08:00	3,157	0	0	0	11	0	2,571	802,385	802,385	50.83	56.66
3	03/08/82 08:00	3,491	0	0	12	12	0	2,882	830,185	830,185	44.13	56.95
4	03/11/83 09:00	3,942	0	0	25	36	0	3,360	860,314	860,314	46.58	54.82
5	03/01/84 08:00	4,493	0	0	44	36	0	4,034	895,566	895,566	39.75	47.34
6	03/19/85 08:00	3,399	0	0	63	42	148	3,049	937,528	937,528	49.65	55.67
7	03/02/86 09:00	4,268	0	0	76	51	177	3,801	977,420	977,420	44.45	45.75
8	3/31/1987 20:00	3,671	0	0	85	58	287	3,330	1,019,317	1,019,317	51.73	57.88
9	03/16/88 08:00	5,000	0	0	91	61	218	4,272	1,057,892	1,057,892	44.55	49.36
10	3/9/1989 20:00	5,009	50	0	96	66	251	4,585	1,096,101	1,096,101	47.18	46.64
11	3/16/1990 17:00	3,806	0	0	101	66	317	3,442	1,133,830	1,133,830	84.75	76.00
12	03/11/91 08:00	5,157	0	0	104	66	202	4,508	1,160,366	1,160,366	47.98	53.80
13	03/09/92 09:00	4,653	176	0	112	66	209	4,372	1,181,203	1,181,203	48.95	51.71
14	03/15/93 07:00	6,219	107	675	124	66	155	6,184	1,204,634	1,204,634	37.55	42.90
15	3/28/94 17:00	5,159	0	0	144	66	271	4,665	1,240,598	1,240,598	83.43	79.69
16	03/10/95 08:00	5,064	0	0	161	66	300	4,464	1,257,584	1,257,584	48.63	53.89
17	03/09/96 09:00	7,246	0	0	184	72	325	6,270	1,285,785	1,285,785	36.48	44.75
18	3/5/1997 17:00	5,028	0	0	208	72	344	4,753	1,312,256	1,312,256	82.85	74.63
19	03/13/98 08:00	6,885	516	0	241	75	351	6,426	1,330,183	1,330,183	42.85	46.02
20	03/05/99 08:00	6,320	0	0	274	75	344	5,432	1,356,798	1,354,398	47.88	53.06
21	3/31/00 17:00	5,922	0	0	306	75	332	5,356	1,388,403	1,384,703	82.48	77.43
22	03/08/01 08:00	6,271	0	0	333	75	318	5,391	1,425,503	1,420,289	49.05	54.95
23	03/05/02 08:00	8,345	0	0	348	75	343	7,288	1,454,792	1,449,199	37.75	45.03
24	3/20/03 15:00	7,178	0	0	381	75	326	6,576	1,486,108	1,480,365	86.98	78.93
25	March-04								1,519,650	1,513,902	45.93	51.25
26	March-05								1,549,414	1,542,226	45.93	51.25
27	March-06								1,577,932	1,570,612	45.93	51.25
28												
29												
30												
31												
32												

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
___Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
___Prior Year Ended ___/___/___
Witness: Crisp

(15) MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - APRIL

Line No.	Date	Recorded Peak	Direct Load Control	Firm Retail Not Served	Nondispatchable DSM	SS COGEN	TOTAL IS/CS	w/Co Use Firm Retail MW Pre DSM	R,C,& I Customer Forecast	R,C, & I Customers Adj. for EDB & SSR	Temp@Peak 5 Hr Avg
1	04/03/80 19:00	2,701	0	0	0	0	0	2,267	767,025	767,025	82.70
2	04/30/81 18:00	2,863	0	0	0	11	0	2,335	796,788	796,788	87.10
3	04/21/82 18:00	3,261	0	0	9	12	0	2,752	826,328	826,328	88.80
4	04/07/83 20:00	2,982	0	0	20	36	0	2,493	855,763	855,763	83.20
5	04/30/84 18:00	2,941	0	0	36	36	0	2,745	893,627	893,627	87.80
6	04/26/85 19:00	3,059	0	0	50	42	186	2,702	934,788	934,788	86.10
7	04/30/86 18:00	3,232	0	0	62	51	230	2,810	973,366	973,366	86.80
8	04/01/87 08:00	4,174	0	0	69	58	288	3,747	1,015,991	1,015,991	44.80
9	04/27/88 18:00	3,876	0	0	74	61	269	3,286	1,052,559	1,052,559	84.90
10	04/28/89 18:00	4,089	0	0	79	66	291	3,800	1,094,290	1,094,290	86.00
11	04/30/90 20:00	4,451	-36	0	83	66	249	4,066	1,128,936	1,128,936	86.30
12	04/30/91 17:00	5,268	18	0	86	66	195	4,770	1,153,245	1,153,245	88.50
13	04/24/92 17:00	4,479	0	0	90	66	241	4,002	1,173,663	1,173,663	84.10
14	04/23/93 08:00	3,924	0	0	99	66	252	3,506	1,206,553	1,206,553	53.50
15	04/15/94 17:00	5,288	0	0	114	66	267	4,721	1,231,169	1,231,169	86.50
16	04/20/95 18:00	5,487	0	0	130	66	257	4,948	1,255,838	1,255,838	86.20
17	04/29/96 18:00	5,614	0	0	153	72	307	5,158	1,278,712	1,278,712	88.70
18	04/27/97 18:00	5,085	0	0	171	72	304	4,727	1,300,877	1,300,877	86.70
19	04/02/98 17:00	5,630	0	0	195	75	359	5,175	1,322,735	1,322,735	83.90
20	04/27/99 20:00	6,659	97	0	214	75	342	5,952	1,351,102	1,344,202	85.60
21	04/03/00 18:00	5,923	0	0	229	75	292	5,311	1,384,482	1,377,437	82.40
22	04/13/01 17:00	7,157	0	0	244	75	303	6,106	1,420,664	1,412,504	86.90
23	04/22/02 17:00	7,208	0	0	251	75	287	6,579	1,448,974	1,440,688	86.90
24	04/07/03 18:00	7,209	0	0	268	75	234	6,589	1,485,905	1,477,262	85.60
25	April-04								1,520,211	1,509,848	85.60
26	April-05								1,548,804	1,537,949	85.60
27	April-06								1,577,331	1,566,278	85.60
28											
29											
30											
31											
32											

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ____/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

(16) MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - MAY

Line No.	Date	Recorded Peak	Direct Load Control	Firm Retail Not Served	Nondispatchable DSM	SS COGEN	TOTAL IS/CS	w/Co Use Firm Retail MW Pre DSM	R,C,& I Customer Forecast	R,C, & I Customers Adj. for EDB & SSR	Temp@Peak 5 Hr Avg
1	05/19/80 18:00	3,377	0	0	0	0	0	2,761	759,674	759,674	88.40
2	05/18/81 18:00	3,265	0	0	0	11	0	2,649	789,235	789,235	92.20
3	05/28/82 18:00	3,401	0	0	10	12	0	2,849	815,602	815,602	90.70
4	05/24/83 17:00	3,622	0	0	21	36	0	3,054	844,583	844,583	90.00
5	05/07/84 18:00	3,708	0	0	37	36	0	3,405	883,429	883,429	91.30
6	05/31/85 17:00	3,914	0	0	51	42	171	3,543	923,669	923,669	93.10
7	05/29/86 18:00	4,020	0	0	62	51	190	3,721	961,035	961,035	90.00
8	05/21/87 17:00	3,865	0	0	69	58	211	3,562	1,001,596	1,001,596	85.50
9	05/23/88 18:00	4,418	0	0	75	61	296	3,723	1,039,770	1,039,770	89.90
10	05/26/89 17:00	5,112	0	0	79	66	273	4,674	1,081,575	1,081,575	92.00
11	05/16/90 17:00	5,304	0	0	83	66	279	4,727	1,114,508	1,114,508	90.10
12	05/29/91 17:00	5,395	113	0	87	66	228	4,827	1,138,449	1,138,449	88.40
13	05/31/92 18:00	4,892	0	0	94	66	163	4,365	1,159,029	1,159,029	88.40
14	05/18/93 18:00	5,030	0	0	107	66	229	4,522	1,192,483	1,192,483	85.40
15	05/16/94 16:00	6,054	0	0	127	66	251	5,327	1,215,282	1,215,282	88.60
16	05/17/95 17:00	6,851	0	0	147	66	308	5,961	1,227,948	1,227,948	90.70
17	05/23/96 18:00	6,360	0	0	173	72	326	5,661	1,262,357	1,262,357	90.10
18	05/27/97 17:00	6,798	0	0	192	72	340	6,055	1,286,438	1,286,438	89.70
19	05/21/98 17:00	7,066	146	0	220	75	348	6,394	1,311,442	1,311,442	88.40
20	05/25/99 18:00	7,236	0	0	239	75	348	6,289	1,342,512	1,325,512	87.90
21	05/26/00 17:00	8,166	38	0	254	75	301	7,022	1,377,602	1,360,381	93.20
22	05/30/01 18:00	7,752	0	0	269	75	316	6,936	1,413,924	1,393,739	89.00
23	05/03/02 17:00	8,127	0	0	281	75	358	7,101	1,447,989	1,427,079	90.80
24	05/12/03 17:00	8,037	0	0	300	75	276	7,409	1,484,110	1,462,177	88.10
25	May-04								1,517,146	1,492,340	89.30
26	May-05								1,546,600	1,521,314	89.30
27	May-06								1,575,139	1,549,390	89.30
28											
29											
30											
31											
32											

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended __/__/__
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended __/__/__
Witness: Crisp

(17) MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - JUNE

Line No.	Date	Recorded Peak	Direct Load Control	Firm Retail Not Served	Nondispatchable DSM	SS COGEN	TOTAL IS/CS	w/Co Use Firm Retail MW Pre DSM	R,C,& I Customer Forecast	R,C, & I Customers Adj. for EDB & SSR	Temp@Peak 5 Hr Avg
1	06/17/80 18:00	3,632	0	0	0	0	0	3,008	757,617	757,617	92.00
2	06/16/81 18:00	4,355	0	0	0	11	208	3,338	786,120	786,120	96.80
3	06/09/82 18:00	4,017	0	0	11	12	0	3,364	812,049	812,049	91.70
4	06/28/83 18:00	3,764	0	0	23	36	0	3,191	841,947	841,947	89.30
5	06/21/84 18:00	3,908	0	0	38	36	0	3,583	880,583	880,583	92.70
6	06/05/85 17:00	4,548	127	0	53	42	194	4,164	921,014	921,014	94.30
7	06/27/86 17:00	4,084	0	0	63	51	198	3,752	957,814	957,814	89.10
8	06/24/87 16:00	4,701	0	0	70	58	233	4,251	1,001,215	1,001,215	91.30
9	06/29/88 17:00	4,945	0	0	75	61	256	4,192	1,037,071	1,037,071	90.20
10	06/15/89 18:00	5,525	0	0	79	66	213	4,990	1,078,483	1,078,483	90.70
11	06/20/90 19:00	5,946	-52	0	84	66	198	5,214	1,111,342	1,111,342	90.80
12	06/28/91 17:00	5,820	0	0	87	66	211	5,075	1,134,054	1,134,054	91.10
13	06/22/92 18:00	5,929	-2	0	95	66	171	5,237	1,155,460	1,155,460	89.60
14	06/08/93 17:00	6,438	0	0	111	66	244	5,568	1,188,220	1,188,220	91.90
15	06/27/94 18:00	6,681	0	0	133	66	262	5,830	1,211,705	1,211,705	91.00
16	06/09/95 17:00	6,814	0	0	157	66	247	5,976	1,233,825	1,233,825	90.20
17	06/25/96 15:00	6,768	0	0	185	72	306	5,999	1,258,492	1,258,492	91.60
18	06/19/97 17:00	6,964	0	0	205	72	322	6,275	1,283,644	1,283,644	90.60
19	06/19/98 15:00	8,110	37	0	235	75	346	6,961	1,309,761	1,309,761	93.40
20	06/15/99 17:00	7,575	0	0	253	75	345	6,613	1,339,809	1,324,809	88.60
21	06/05/00 17:00	8,154	0	0	268	75	282	7,051	1,377,795	1,353,821	92.40
22	06/13/01 18:00	8,269	0	0	283	75	316	7,303	1,414,582	1,387,064	90.80
23	06/13/02 17:00	8,076	0	0	296	75	294	7,402	1,448,142	1,416,567	88.60
24	06/11/03 17:00	8,287	0	0	317	75	246	7,685	1,484,918	1,452,902	89.80
25	June-04								1,517,762	1,481,836	91.40
26	June-05								1,546,977	1,510,364	91.40
27	June-06								1,575,534	1,538,249	91.40
28											
29											
30											
31											
32											

Supporting Schedules

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

(18) MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - JULY

Line No.	Date	Recorded Peak	Direct Load Control	Firm Retail Not Served	Nondispatchable DSM	SS COGEN	TOTAL IS/CS	w/Co Use Firm Retail MW Pre DSM	R,C,& I Customer Forecast	R,C, & I Customers Adj. for EDB & SSR	Temp@Peak 5 Hr Avg
1	07/09/80 18:00	3,952	0	0	0	0	0	3,203	757,341	757,341	93.20
2	07/14/81 17:00	4,219	0	0	0	11	0	3,484	787,671	787,671	95.70
3	07/01/82 18:00	3,834	0	0	12	12	0	3,204	814,460	814,460	92.20
4	07/18/83 17:00	4,520	0	0	24	36	0	3,779	843,601	843,601	96.00
5	07/09/84 16:00	3,983	0	0	39	36	0	3,644	882,774	882,774	91.60
6	07/10/85 18:00	4,273	0	0	54	42	157	3,889	922,718	922,718	93.40
7	07/31/86 17:00	4,565	0	0	64	51	173	4,161	959,491	959,491	91.00
8	07/24/87 17:00	4,897	0	0	70	58	247	4,372	1,001,588	1,001,588	91.70
9	07/12/88 18:00	5,309	0	0	75	61	199	4,525	1,038,466	1,038,466	93.00
10	07/10/89 19:00	5,592	61	0	80	66	262	5,015	1,079,364	1,079,364	93.10
11	07/31/90 17:00	5,790	0	0	84	66	249	5,055	1,112,297	1,112,297	92.00
12	07/22/91 18:00	5,903	0	0	88	66	177	5,202	1,134,186	1,134,186	91.30
13	07/07/92 17:00	6,357	0	0	97	66	150	5,556	1,156,554	1,156,554	90.90
14	07/28/93 18:00	6,545	0	0	115	66	269	5,585	1,188,277	1,188,277	90.00
15	07/11/94 17:00	6,495	0	0	136	66	254	5,700	1,211,709	1,211,709	89.50
16	07/05/95 16:00	6,840	0	0	161	66	239	6,044	1,235,360	1,235,360	90.10
17	07/22/96 18:00	7,164	45	0	189	72	309	6,337	1,260,953	1,260,953	91.50
18	07/03/97 17:00	7,462	44	0	209	72	273	6,642	1,273,304	1,273,304	93.80
19	07/02/98 16:00	8,004	49	0	239	75	352	7,074	1,311,815	1,311,815	94.70
20	07/27/99 17:00	8,186	0	0	258	75	342	6,950	1,341,841	1,320,841	92.40
21	07/12/00 18:00	8,360	171	0	272	75	225	7,395	1,381,199	1,355,127	91.10
22	07/30/01 18:00	8,163	0	0	287	75	218	7,286	1,417,136	1,387,953	90.30
23	07/17/02 17:00	9,034	0	0	302	75	309	7,899	1,449,480	1,416,724	94.00
24	07/09/03 15:00	8,476	0	0	324	75	256	7,732	1,487,636	1,453,443	90.30
25	July-04								1,520,304	1,476,975	92.10
26	July-05								1,549,313	1,505,161	92.10
27	July-06								1,577,885	1,532,924	92.10
28											
29											
30											
31											
32											

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

(19) MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - SUMMER (AUGUST)

Line No.	Date	Recorded Peak	Direct Load Control	Firm Retail Not Served	Nondispatchable DSM	SS COGEN	TOTAL IS/CS	w/Co Use Firm Retail MW Pre DSM	R,C,& I Customer Forecast	R,C, & I Customers Adj. for EDB & SSR	Temp@Peak 5 Hr Avg
1	08/02/80 18:00	3,995	40	0	0	0	258	2,685	759,485	759,485	89.50
2	06/16/81 18:00	4,355	0	0	0	11	208	3,338	786,120	786,120	96.80
3	09/13/82 17:00	4,086	0	0	13	12	173	3,231	816,846	816,846	91.40
4	08/22/83 18:00	4,610	0	0	28	36	163	3,698	845,671	845,671	93.90
5	08/09/84 18:00	4,163	72	0	40	36	201	3,611	885,873	885,873	93.00
6	06/05/85 17:00	4,548	127	0	53	42	194	4,164	921,014	921,014	94.30
7	08/01/86 17:00	4,644	0	0	64	51	133	4,289	962,171	962,171	92.40
8	08/26/87 18:00	5,196	1	0	70	58	225	4,636	1,005,106	1,005,106	91.70
9	07/12/88 18:00	5,309	0	0	75	61	199	4,525	1,038,466	1,038,466	93.00
10	08/07/89 18:00	5,832	0	0	80	66	240	5,216	1,082,169	1,082,169	92.30
11	06/20/90 19:00	5,946	-52	0	84	66	198	5,214	1,111,342	1,111,342	90.80
12	08/08/91 17:00	5,925	0	0	89	66	192	5,213	1,134,944	1,134,944	90.90
13	07/07/92 17:00	6,357	0	0	97	66	150	5,556	1,156,554	1,156,554	90.90
14	08/05/93 17:00	6,729	0	0	118	66	272	5,807	1,190,103	1,190,103	92.20
15	06/27/94 18:00	6,681	0	0	133	66	262	5,830	1,211,705	1,211,705	91.00
16	08/15/95 15:00	7,128	160	0	170	66	269	6,295	1,243,197	1,243,197	93.20
17	07/22/96 18:00	7,164	45	0	189	72	261	6,385	1,260,953	1,260,953	91.50
18	07/03/97 17:00	7,462	44	0	209	72	307	6,608	1,273,304	1,273,304	93.80
19	07/02/98 16:00	8,004	49	0	239	75	352	7,074	1,311,815	1,311,815	94.70
20	08/30/99 18:00	8,358	156	0	267	75	344	7,188	1,346,537	1,324,842	91.20
21	08/08/00 18:00	8,500	54	0	280	75	286	7,306	1,383,339	1,356,450	91.60
22	08/29/01 17:00	8,471	0	0	295	75	286	7,438	1,418,421	1,388,668	90.00
23	07/17/02 17:00	9,034	0	0	302	75	309	7,899	1,449,480	1,416,724	94.00
24	7/9/2003 15:00	8,476	0	0	324	75	256	7,732	1,487,636	1,453,443	90.30
25	August-04								1,522,829	1,476,873	92.20
26	August-05								1,551,666	1,504,844	92.20
27	August-06								1,580,258	1,532,578	92.20
28											
29											
30											
31											
32											

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

(20) MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - SEPTEMBER

Line No.	Date	Recorded Peak	Direct Load Control	Firm Retail Not Served	Nondispatchable DSM	SS COGEN	TOTAL IS/CS	w/Co Use Firm Retail MW Pre DSM	R,C,& I Customer Forecast	R,C, & I Customers Adj. for EDB & SSR	Temp@Peak 5 Hr Avg
1	09/08/80 18:00	3,716	0	0	0	0	150	2,924	763,228	763,228	90.00
2	09/02/81 18:00	3,854	0	0	0	11	150	3,003	792,382	792,382	90.90
3	09/13/82 17:00	4,086	0	0	13	12	173	3,231	816,846	816,846	91.40
4	09/06/83 18:00	4,379	0	0	26	36	185	3,472	849,167	849,167	93.90
5	09/14/84 17:00	4,091	0	0	42	36	120	3,608	890,368	890,368	91.60
6	09/09/85 18:00	4,257	0	0	56	42	99	3,934	928,916	928,916	91.00
7	09/30/86 18:00	4,428	0	0	65	51	193	4,085	967,267	967,267	88.30
8	09/09/87 18:00	5,016	0	0	71	58	265	4,507	1,008,413	1,008,413	90.80
9	09/22/88 18:00	5,224	0	0	76	61	250	4,417	1,045,171	1,045,171	90.50
10	09/15/89 17:00	5,483	0	0	80	66	232	4,948	1,086,309	1,086,309	88.20
11	09/13/90 18:00	5,614	60	0	85	66	196	5,080	1,116,702	1,116,702	92.20
12	09/19/91 17:00	5,815	44	0	89	66	241	5,136	1,137,537	1,137,537	90.50
13	09/22/92 17:00	5,927	0	0	99	66	212	5,215	1,161,287	1,161,287	89.30
14	09/22/93 18:00	6,173	0	0	119	66	209	5,411	1,192,998	1,192,998	90.00
15	09/02/94 17:00	6,323	0	0	139	66	255	5,551	1,215,676	1,215,676	88.70
16	09/14/95 17:00	6,654	0	0	167	66	252	5,933	1,242,035	1,242,035	89.90
17	09/03/96 17:00	7,052	0	0	193	72	341	6,266	1,262,297	1,262,297	90.60
18	09/16/97 17:00	6,932	0	0	210	72	336	6,140	1,284,073	1,284,073	90.60
19	09/01/98 16:00	7,312	0	0	240	75	353	6,485	1,314,817	1,314,817	90.90
20	09/04/99 18:00	7,604	0	0	258	75	342	6,567	1,348,739	1,326,834	93.00
21	09/14/00 18:00	8,014	0	0	271	75	277	6,890	1,388,320	1,362,028	88.80
22	09/04/00 17:00	7,930	0	0	286	75	309	7,120	1,421,915	1,393,628	87.40
23	09/18/02 17:00	8,362	0	0	302	75	257	7,503	1,456,054	1,424,284	89.50
24	09/24/03 17:00	7,982	0	0	324	75	268	7,406	1,492,463	1,458,083	89.00
25	September-04								1,524,614	1,488,557	90.40
26	September-05								1,553,311	1,516,579	90.40
27	September-06								1,581,924	1,544,520	90.40
28											
29											
30											
31											
32											

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
___Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
___Prior Year Ended ___/___/___
Witness: Crisp

(21) MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - OCTOBER

Line No.	Date	Recorded Peak	Direct Load Control	Firm Retail Not Served	Nondispatchable DSM	SS COGEN	TOTAL IS/CS	w/Co Use Firm Retail MW Pre DSM	R,C,& I Customer Forecast	R,C, & I Customers Adj. for EDB & SSR	Temp@Peak 5 Hr Avg
1	10/02/80 18:00	3,033	0	0	0	0	0	2,578	769,047	769,047	85.90
2	10/01/81 18:00	3,325	0	0	0	11	0	2,762	797,529	797,529	87.40
3	10/11/82 17:00	3,452	0	0	14	12	0	2,874	822,037	822,037	85.80
4	10/06/83 18:00	3,557	0	0	28	36	0	3,048	855,515	855,515	88.70
5	10/29/84 19:00	3,329	0	0	43	36	0	3,095	896,163	896,163	83.30
6	10/03/85 17:00	4,037	0	0	57	42	130	3,698	934,278	934,278	90.50
7	10/01/86 18:00	4,432	0	0	66	51	193	4,120	973,683	973,683	88.20
8	10/01/87 18:00	3,561	0	0	72	58	219	3,283	1,014,711	1,014,711	83.50
9	10/01/88 18:00	4,398	0	0	76	61	262	3,679	1,052,972	1,052,972	88.60
10	10/16/89 20:00	4,964	-200	0	81	66	258	4,371	1,093,226	1,093,226	85.30
11	10/04/90 17:00	5,221	0	0	85	66	196	4,725	1,122,641	1,122,641	87.40
12	10/05/91 15:00	4,736	0	0	88	66	221	4,266	1,143,385	1,143,385	87.00
13	10/09/92 18:00	4,599	98	0	95	66	200	4,317	1,166,725	1,166,725	84.30
14	10/21/93 17:00	5,403	0	0	111	66	216	4,899	1,199,172	1,199,172	87.10
15	10/03/94 17:00	5,482	0	0	127	66	194	5,000	1,222,715	1,222,715	85.60
16	10/02/95 17:00	6,108	0	0	151	66	293	5,476	1,247,438	1,247,438	88.20
17	10/01/96 17:00	5,508	0	0	173	72	299	4,853	1,270,667	1,270,667	82.90
18	10/01/97 17:00	6,426	0	0	188	72	341	5,784	1,289,534	1,289,534	88.80
19	10/07/98 17:00	7,034	0	0	215	75	348	6,262	1,319,948	1,319,948	88.60
20	10/11/99 17:00	6,845	0	0	232	75	343	5,919	1,353,167	1,331,734	85.20
21	10/05/00 18:00	7,699	0	0	245	75	252	6,677	1,392,136	1,366,408	87.50
22	10/06/01 16:00	6,909	0	0	260	75	238	6,051	1,424,851	1,396,020	85.50
23	10/07/02 17:00	7,920	0	0	272	75	256	7,021	1,458,077	1,428,624	87.90
24	10/13/03 17:00	7,383	0	0	292	75	283	6,937	1,495,956	1,462,649	86.80
25	October-04								1,527,799	1,491,663	86.90
26	October-05								1,556,391	1,519,582	86.90
27	October-06								1,585,027	1,547,545	86.90
28											
29											
30											
31											
32											

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

(22) MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - NOVEMBER

Line No.	Date	Recorded Peak	Direct Load Control	Firm Retail Not Served	Nondispatchable DSM	SS COGEN	TOTAL IS/CS	w/Co Use Firm Retail MW Pre DSM	R,C,& I Customer Forecast	R,C, & I Customers Adj. for EDB & SSR	Temp@Peak 5 Hr Avg
1	11/29/80 09:00	3,084	0	0	0	0	0	2,631	780,650	780,650	47.40
2	11/23/81 08:00	3,842	0	0	0	11	0	3,151	809,889	809,889	44.70
3	11/03/82 19:00	3,031	0	0	20	12	0	2,523	835,898	835,898	80.00
4	11/18/83 08:00	3,645	0	0	38	36	0	3,042	868,408	868,408	46.20
5	11/14/84 08:00	3,561	0	0	57	36	121	3,089	909,564	909,564	49.10
6	11/13/85 19:00	3,154	0	0	72	42	170	2,861	947,069	947,069	81.00
7	11/12/86 19:00	3,521	0	0	83	51	252	3,230	988,125	988,125	79.80
8	11/13/87 08:00	3,496	0	0	89	58	218	3,218	1,028,941	1,028,941	52.30
9	11/17/88 19:00	3,685	0	0	94	61	278	3,143	1,066,684	1,066,684	81.00
10	11/06/89 19:00	3,886	0	0	99	66	302	3,622	1,108,006	1,108,006	80.60
11	11/28/90 19:00	3,988	0	0	104	66	248	3,700	1,136,374	1,136,374	79.00
12	11/26/91 08:00	5,178	333	0	106	66	58	4,902	1,156,604	1,156,604	45.10
13	11/30/92 08:00	5,229	0	0	112	66	212	4,575	1,181,109	1,181,109	45.30
14	11/01/93 08:00	4,979	0	0	126	66	188	4,405	1,206,113	1,206,113	40.40
15	11/09/94 19:00	4,825	0	0	140	66	274	4,438	1,238,015	1,238,015	80.10
16	11/16/95 08:00	5,553	0	0	160	66	323	4,825	1,261,880	1,261,880	47.90
17	11/01/96 16:00	5,190	0	0	183	72	394	4,757	1,276,748	1,276,748	82.80
18	11/17/97 08:00	5,239	0	0	202	72	331	4,642	1,304,054	1,304,054	45.30
19	11/19/98 19:00	5,387	0	0	231	75	348	5,059	1,328,672	1,328,672	79.90
20	11/01/99 17:00	5,735	0	0	262	75	334	5,098	1,363,154	1,346,333	78.10
21	11/22/00 08:00	7,605	0	0	286	75	297	6,252	1,401,421	1,380,859	41.70
22	11/01/01 19:00	5,386	0	0	314	75	335	5,071	1,433,643	1,411,411	78.00
23	11/11/02 15:00	6,978	0	0	336	75	329	6,259	1,465,126	1,443,000	84.80
24	11/05/03 14:00	6,887	0	0	369	75	317	6,471	1,502,214	1,477,505	82.70
25	November-04								1,533,728	1,506,432	80.90
26	November-05								1,562,258	1,534,456	80.90
27	November-06								1,590,919	1,562,610	80.90
28											
29											
30											
31											
32											

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/____
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/____
Witness: Crisp

(23) MONTHLY RETAIL COINCIDENT PEAK DEMAND INPUTS - DECEMBER

Line No.	Date	Recorded Peak	Direct Load Control	Firm Retail Not Served	Nondispatchable DSM	SS COGEN	TOTAL IS/CS	w/Co Use Firm Retail MW Pre DSM	R,C,& I Customer Forecast	R,C, & I Customers Adj. for EDB & SSR	Temp@Peak 2 Hr	Temp@Peak 24 Hr
1	12/28/80 10:00	3,804	0	0	0	0	0	3,136	789,985	789,985	41.88	46.69
2	12/20/81 09:00	4,515	0	0	0	11	0	3,653	818,746	818,746	35.10	36.99
3	12/18/82 09:00	3,849	0	0	21	12	0	3,194	846,656	846,656	45.08	49.12
4	12/27/83 09:00	4,913	206	0	39	36	168	4,169	879,822	879,822	40.03	37.41
5	12/08/84 09:00	4,254	0	0	59	36	148	3,617	921,134	921,134	44.28	45.86
6	12/26/85 09:00	5,206	0	0	74	42	88	4,698	959,937	959,937	31.35	43.51
7	12/10/86 19:00	3,203	0	0	83	51	275	2,867	1,000,724	1,000,724	76.45	73.43
8	12/18/87 08:00	4,938	0	0	90	58	235	4,378	1,039,206	1,039,206	44.78	47.68
9	12/19/88 08:00	5,614	195	0	95	61	229	4,834	1,078,645	1,078,645	38.78	43.53
10	12/23/89 18:00	6,817	574	0	99	66	230	6,451	1,118,486	1,118,486	31.18	38.97
11	12/11/90 08:00	5,017	0	0	104	66	174	4,403	1,146,685	1,146,685	43.75	53.36
12	12/05/91 08:00	5,351	312	0	111	66	193	4,915	1,167,674	1,167,674	41.95	48.99
13	12/03/92 08:00	5,160	0	0	122	66	182	4,489	1,190,969	1,190,969	48.83	56.59
14	12/27/93 08:00	6,653	0	0	146	66	189	5,671	1,225,652	1,225,652	39.85	45.21
15	12/05/94 19:00	4,487	0	0	164	66	277	4,062	1,249,845	1,249,845	71.95	72.53
16	12/25/95 09:00	6,977	0	0	187	66	209	5,954	1,269,541	1,269,541	38.55	41.80
17	12/20/96 19:00	7,286	0	0	215	72	299	6,283	1,304,594	1,304,594	42.58	38.88
18	12/15/97 19:00	6,608	0	0	240	72	249	5,878	1,315,623	1,315,623	49.70	50.38
19	12/18/98 08:00	5,948	0	0	276	75	349	5,191	1,339,531	1,339,531	46.08	56.56
20	12/02/99 08:00	7,421	0	0	306	75	334	6,101	1,371,741	1,361,254	44.45	52.76
21	12/31/00 08:00	9,203	71	0	329	75	229	7,635	1,409,207	1,396,962	30.55	40.91
22	12/27/01 09:00	6,465	0	0	358	75	259	6,053	1,440,075	1,425,052	44.83	48.38
23	12/16/02 08:00	7,828	0	0	396	75	283	6,966	1,471,041	1,456,316	42.13	46.38
24	12/21/03 09:00	8,172	0	0	436	75	241	7,243	1,505,988	1,490,509	43.10	45.60
25	December-04								1,537,134	1,518,496	41.50	46.20
26	December-05								1,565,635	1,546,653	41.50	46.20
27	December-06								1,594,324	1,574,996	41.50	46.20
28												
29												
30												
31												
32												

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended __/__/____
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended __/__/____
Witness: Crisp

Line			(24) FPC MONTHLY ENERGY BY MAJOR CUSTOMER CLASS						(25) IND SALES BY SUBSECTOR	
No.	Year	Month	RESID	COM'L	INDUST	STR. LTG.	PUB. AUTH.	WHOLESALE	PHOSPHATE	NON-PHOS
1	2004	1	1,600,761	881,905	349,755	2,340	222,903	265,805	123,552	226,203
2	2004	2	1,386,066	760,461	301,960	2,180	218,718	257,875	85,064	216,896
3	2004	3	1,304,591	848,707	370,820	2,532	222,934	308,411	127,550	243,270
4	2004	4	1,186,689	874,499	345,799	2,353	235,583	289,864	98,759	247,040
5	2004	5	1,390,027	953,467	351,164	2,216	249,972	288,718	110,670	240,494
6	2004	6	1,928,679	1,112,598	354,226	2,396	258,702	305,204	93,969	260,257
7	2004	7	2,086,220	1,139,256	335,704	2,351	266,471	441,302	101,572	234,132
8	2004	8	1,976,090	1,109,776	346,763	2,310	269,870	465,456	95,284	251,479
9	2004	9	1,918,346	1,084,918	331,647	2,313	274,454	459,774	98,205	233,442
10	2004	10	1,773,691	1,035,843	284,939	2,300	277,513	452,035	68,535	216,404
11	2004	11	1,423,770	991,682	345,734	2,179	267,561	375,102	119,486	226,248
12	2004	12	1,372,338	940,424	350,115	2,457	251,065	391,545	109,920	240,195
13	2005	1	1,580,977	883,397	325,588	1,620	237,708	384,820	99,436	226,152
14	2005	2	1,433,654	839,112	312,424	2,981	229,324	409,546	99,289	213,135
15	2005	3	1,332,102	848,518	302,195	2,330	235,154	383,727	91,252	210,943
16	2005	4	1,305,122	922,019	355,234	2,300	244,880	501,936	113,447	241,787
17	2005	5	1,324,269	940,218	320,647	2,288	246,938	382,139	94,953	225,694
18	2005	6	1,711,516	1,025,408	364,501	2,267	263,667	418,075	113,485	251,016
19	2005	7	2,088,043	1,151,736	330,804	2,356	286,865	397,478	92,500	238,304
20	2005	8	2,154,507	1,171,433	335,754	2,416	290,051	423,822	95,500	240,254
21	2005	9	2,075,269	1,166,153	333,898	2,370	304,132	430,871	95,500	238,398
22	2005	10	1,817,381	1,084,930	329,432	2,287	285,916	427,100	95,500	233,932
23	2005	11	1,431,759	985,232	329,728	2,245	263,941	390,799	98,500	231,228
24	2005	12	1,423,064	934,587	326,887	2,450	254,801	341,619	98,500	228,387
25	2006	1	1,611,525	898,436	319,985	2,336	235,333	349,358	98,500	221,485
26	2006	2	1,552,393	854,106	308,437	2,177	239,682	273,666	98,500	209,937
27	2006	3	1,397,890	876,931	315,144	2,307	241,411	264,183	97,500	217,644
28	2006	4	1,344,790	935,077	326,018	2,350	250,969	273,074	97,500	228,518
29	2006	5	1,455,990	1,005,517	331,765	2,354	268,182	289,353	97,500	234,265
30	2006	6	1,873,634	1,128,680	337,746	2,380	296,165	317,929	97,500	240,246
31	2006	7	2,122,382	1,190,940	338,654	2,356	297,537	381,440	97,500	241,154
32	2006	8	2,194,032	1,213,575	341,226	2,416	301,739	421,117	97,500	243,726
33	2006	9	2,143,490	1,208,315	339,614	2,370	316,245	412,825	97,500	242,114
34	2006	10	1,861,082	1,122,332	334,846	2,287	296,550	386,544	97,500	237,346
35	2006	11	1,459,645	1,025,194	333,348	2,245	274,742	341,926	97,500	235,848
36	2006	12	1,446,619	961,514	328,261	2,450	262,526	288,264	97,500	230,761

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended __/__/__
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended __/__/__
Witness: Crisp

(26)

Line No.	Year	Month	FPC MONTHLY CUSTOMERS BY MAJOR CUSTOMER CLASS RESID	COM'L	INDUST	STR. LTG.	PUB. AUTH.	WHOLESALE
1	2004	1	1,348,442	155,289	2,727	1,886	20,240	21
2	2004	2	1,316,798	151,880	2,642	1,881	19,778	21
3	2004	3	1,391,176	160,455	2,799	1,872	20,793	26
4	2004	4	1,354,068	157,163	2,738	1,868	20,321	22
5	2004	5	1,364,646	158,735	2,734	1,860	20,604	21
6	2004	6	1,360,416	158,201	2,737	1,856	20,375	22
7	2004	7	1,352,339	157,222	2,730	1,853	20,370	33
8	2004	8	1,362,072	158,721	2,735	1,842	20,452	26
9	2004	9	1,377,987	160,762	2,725	1,848	20,749	27
10	2004	10	1,371,216	161,735	2,719	1,840	20,948	27
11	2004	11	1,386,736	163,690	2,742	1,835	21,096	24
12	2004	12	1,390,228	161,508	2,766	1,828	20,956	25
13	2005	1	1,366,718	157,278	2,695	1,824	20,496	25
14	2005	2	1,375,169	159,643	2,716	1,826	20,727	25
15	2005	3	1,405,897	161,586	2,728	1,818	20,935	25
16	2005	4	1,379,332	160,092	2,667	1,814	20,831	24
17	2005	5	1,433,410	166,020	2,752	1,808	21,343	25
18	2005	6	1,318,564	152,159	2,602	1,790	19,882	25
19	2005	7	1,382,073	159,854	2,687	1,804	20,837	25
20	2005	8	1,384,563	160,817	2,687	1,804	20,877	25
21	2005	9	1,386,522	161,161	2,687	1,804	20,968	25
22	2005	10	1,387,551	161,177	2,687	1,804	20,992	25
23	2005	11	1,391,132	161,254	2,687	1,804	21,026	25
24	2005	12	1,394,978	161,514	2,687	1,804	21,115	25
25	2006	1	1,398,106	161,307	2,686	1,784	21,053	25
26	2006	2	1,406,079	161,119	2,686	1,784	21,195	22
27	2006	3	1,405,680	161,702	2,686	1,784	21,129	22
28	2006	4	1,406,539	162,249	2,686	1,784	21,175	22
29	2006	5	1,403,911	162,666	2,687	1,784	21,363	22
30	2006	6	1,406,628	163,068	2,687	1,784	21,338	22
31	2006	7	1,408,791	163,086	2,687	1,784	21,411	22
32	2006	8	1,411,209	164,043	2,687	1,784	21,452	22
33	2006	9	1,413,094	164,380	2,687	1,784	21,543	22
34	2006	10	1,414,095	164,400	2,687	1,784	21,566	22
35	2006	11	1,417,673	164,490	2,687	1,784	21,599	22
36	2006	12	1,421,595	164,777	2,687	1,784	21,689	22

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For each forecasting model used to estimate test year projections for customers, demand, and energy, provide the historical and projected values for the input variables and the output variables used in estimating and/or validating the model. Also, provide a description of each variable, specifying the unit of measurement and the time span or cross sectional range of the data.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

			27									
Line			FIRM RETAIL COINCIDENT MW				RETAIL	COMPANY	WHOLESALE COINCIDENT		PEF SYSTEM TOTAL CP	
No.	Year	Month	PRE DSM	NONDISP	DISPATCHABLE	NET FIRM	IS & CS MW	USE	FIRM MW	NONFIRM	FIRM MW	NONFIRM
1	2004	1	7,824	542	937	6,345	305	24	987	178	7,355	8,775
2	2004	2	7,188	525	796	5,866	261	24	689	202	6,579	7,838
3	2004	3	5,591	481	618	4,492	331	24	347	205	4,863	6,017
4	2004	4	6,287	358	215	5,714	258	24	347	202	6,084	6,760
5	2004	5	7,701	392	263	7,046	276	24	615	223	7,684	8,447
6	2004	6	8,187	409	321	7,457	256	24	793	274	8,274	9,125
7	2004	7	8,074	417	317	7,340	299	24	823	256	8,187	9,058
8	2004	8	8,187	429	330	7,429	367	24	711	291	8,164	9,152
9	2004	9	7,756	417	310	7,029	306	24	696	263	7,749	8,628
10	2004	10	7,540	383	183	6,975	324	24	437	383	7,435	8,325
11	2004	11	6,628	467	497	5,664	377	24	365	386	6,053	7,313
12	2004	12	7,459	540	580	6,339	293	24	844	229	7,207	8,309
13	2005	1	8,889	572	923	7,394	307	21	1,187	413	8,602	10,245
14	2005	2	6,708	554	758	5,396	291	21	544	408	5,961	7,417
15	2005	3	6,859	506	620	5,733	307	21	416	532	6,170	7,629
16	2005	4	6,886	372	195	6,319	309	21	373	327	6,712	7,544
17	2005	5	7,791	407	237	7,147	288	21	499	423	7,666	8,615
18	2005	6	8,208	425	288	7,495	297	21	661	287	8,177	9,049
19	2005	7	8,174	433	285	7,456	292	21	708	287	8,185	9,049
20	2005	8	8,225	445	296	7,484	300	21	779	287	8,284	9,167
21	2005	9	7,773	432	279	7,062	310	21	671	282	7,754	8,625
22	2005	10	7,299	397	166	6,736	305	21	548	267	7,305	8,043
23	2005	11	6,440	495	476	5,469	320	21	441	267	5,931	6,994
24	2005	12	7,495	573	563	6,359	316	21	910	282	7,289	8,451
25	2006	1	9,188	607	902	7,679	337	21	1,402	53	9,101	10,394
26	2006	2	7,609	587	753	6,269	346	21	718	53	7,009	8,160
27	2006	3	6,572	534	598	5,440	353	21	518	54	5,978	6,984
28	2006	4	7,007	384	178	6,445	304	21	521	51	6,987	7,520
29	2006	5	7,920	420	215	7,285	351	21	682	51	7,988	8,605
30	2006	6	8,352	438	260	7,654	350	21	883	51	8,558	9,219
31	2006	7	8,380	445	257	7,678	351	21	948	51	8,646	9,306
32	2006	8	8,437	458	267	7,712	345	21	990	51	8,723	9,386
33	2006	9	7,969	444	252	7,273	344	21	882	51	8,176	8,823
34	2006	10	7,492	407	152	6,933	351	21	685	51	7,639	8,193
35	2006	11	6,608	516	468	5,624	338	21	651	51	6,296	7,153
36	2006	12	7,664	599	553	6,512	338	21	1,226	51	7,759	8,701

SCHEDULE F-8 | Assumptions | Page 1 of 4

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For a projected test year, provide a schedule of assumptions used in developing projected or estimated data. At a minimum, state assumptions used for balance sheet, income statement, and sales forecast.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

Line No.		Witness	Page
10	I. LOAD FORECAST ASSUMPTIONS	Crisp	2

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For a projected test year, provide a schedule of assumptions used in developing projected or estimated data. At a minimum, state assumptions used for balance sheet, income statement, and sales forecast.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

Line No. I. General Assumptions

FORECAST ASSUMPTIONS - CUSTOMER, ENERGY & DEMAND FORECAST

Normal weather conditions are assumed over the forecast horizon. For kilowatt-hour sales projections normal weather is based on a historical thirty year average of service area weighted billing month degree days. Monthly coincident peak demand projections are based on a thirty year historical average of system-weighted temperatures at time of seasonal peak.

The population projections produced by the Bureau of Economic and Business Research (BEBR) at the University of Florida as published in "Florida Population Studies Bulletin No. 141 (February 2005) provide the basis for development of the customer forecast. State and national economic assumptions produced by Economy.Com in their national and Florida forecasts (March 2005) are also incorporated.

Within the Progress Energy Florida (PEF) service area the phosphate mining industry is the dominant sector in the industrial sales class. Four major customers accounted for over 30% of the industrial class MWh sales in 2004. These energy intensive customers mine and process phosphate-based fertilizer products for the global marketplace. Both supply and demand conditions for their products are dictated by global conditions that include, but are not limited to, foreign competition, national/international agricultural industry conditions, exchange-rate fluctuations, and international trade pacts. Load and energy consumption at the PEF-served mining or chemical processing sites depend heavily on plant operations which are heavily influenced by the state of these global conditions as well as local conditions. After years of excess mining capacity and weak product pricing power, the industry has consolidated down to fewer players in time to take advantage of better market conditions.

A weaker U.S currency value on the foreign exchange is expected to help the industry in two ways. First, American farm commodities will be more competitive overseas and lead to higher crop production at home. This will result in greater demand for fertilizer products. Second, a weak U.S. dollar results in U.S. fertilizer producers to become more price competitive relative to foreign producers. Going forward, energy consumption is expected to increase a bit. A significant risk to this projection lies in the continued high price of natural gas which is a major factor of production. Operations at several sites in the U.S. have already scaled back or shutdown due to profitability concerns caused by high energy prices. The energy projection for this industry assumes no major reductions or shutdowns of operations in the service territory.

This forecast incorporates demand and energy reductions from PEF'S dispatchable and non-dispatchable DSM programs required to meet the approved goals set by the Florida Public Service Commission.

This forecast assumes that FPC will successfully renew all future franchise agreements but does remove from the retail forecast the load and energy once served to the City of Winter Park.

Expected energy and demand reductions from self-service cogeneration are also included in this forecast. FPC will supply the supplemental load of self-service cogeneration customers. While FPC offers "standby" service to all cogeneration customers, the forecast does not assume an unplanned need for standby power.

This forecast assumes that the regulatory environment and the obligation to serve our retail customers will continue throughout the forecast horizon. The ability of wholesale customers to switch suppliers has ended the company's obligation to serve these customers beyond their contract life. As a result, the company does not plan for generation resources unless a long-term contract is in place. Current "all requirements" customers are assumed to not renew their contracts with FPC. Current "partial requirements" contracts are projected to terminate as terms reach their expiration date. Deviation from these assumptions can occur as new information received indicates that a wholesale customer has limited options in the marketplace to replace FPC capacity more economically.

Supporting Schedules: Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For a projected test year, provide a schedule of assumptions used in developing projected or estimated data. At a minimum, state assumptions used for balance sheet, income statement, and sales forecast.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

Line No.

I. General Assumptions (Cont'd)

FORECAST ASSUMPTIONS - CUSTOMER, ENERGY & DEMAND FORECAST (Continued)

Progress Energy Florida supplies load and energy service to wholesale customers on a "full", "partial" and "supplemental" requirement basis. Full requirements customers' demand and energy is assumed to grow at a rate that approximates their historical trend. Cities served on this basis include Bartow, Chattahoochee, Mt Dora, Quincy, Williston and Winter Park. Partial requirements (PR) customer load is assumed to reflect the current contractual obligations entered into with PEF. The forecast of energy and demand to PR customers reflect the nature of the stratified load they have contracted for, plus their ability to receive dispatched energy from power marketers any time it is more economical for them to do so. Contracts for PR service included in this forecast are with FMPA, the cities of New Smyrna Beach, Tallahassee and Homestead, and other utilities such as Reedy Creek Utilities.

A significant majority of PEF's wholesale load is served to Seminole Electric Cooperative, Inc. (SECI) under several contracts. PEF's arrangement with SECI is to serve "supplemental" service over and above stated levels they commit to supply themselves. SECI's projection of their system's requirements in the PEF control area provides the basis for the level of service needed to be supplemented by PEF. This forecast also incorporates two firm bulk power contracts with SECI. The first is a 300 MW stratified intermediate demand starting in June 2006 (150MW) and December 2006 (150MW). SECI is also contracted to buy the PEF obligated market mitigation 50 MW sale for 2006.

The economic outlook for this forecast was developed early in 2005 as energy prices were hitting record highs around the world. The general consensus was that the U.S. economy, which was growing at good, would not slip into recession due to the higher cost of energy. A described "soft patch" in economic activity was surely obvious at the time of this forecast development as high gasoline prices had been reducing consumer confidence levels. Short term interest rates – controlled mostly by Federal Reserve Board (FED) policy decisions – have increased significantly in the last 12 months as hints of inflation have filtered through the reported price indexes. The days of 40-plus year lows in interest rates have ended. The FED had moved to increase rates eight times at this point – no longer seeing the need to stimulate the national economy from the post September 11th weakness that occurred. The national economy had bounced back significantly (except for job growth statistics). Economists were not in complete agreement about where monetary policy would go from here. Most thought that the FED was much closer to ending its "tightening" policy of gradually raising interest rates than those who believed that inflationary fears would require many more rate increases.

Consensus opinion also feels that the economic stimulus supplied by the three federal tax cuts and the refinancing boom had pretty much run their course. Additional stimulus from these two phenomena is not in the cards going forward. One item believed to become a positive factor for future economic momentum is the weaker U.S. currency. Up to this point it had not supplied the punch assumed in the last forecast. This is due to several major U.S. trading partners, mainly China, having their currencies pegged to the Dollar. The Mexican Peso has actually weakened against the Dollar. This has kept the typical advantages of a weaker currency from helping U.S. manufacturers. Also, European economies have not been robust enough to fuel added imports of U.S. products. Going forward, it is expected that economic and political pressures will force the Chinese to de-link their currency and allow it to appreciate in value. This will make American-produced products more competitive with imported Chinese goods around the globe.

The housing sector has continued on an amazing and unprecedented pace. All signs are pointing to an industry that just can not maintain this level of growth. Long term interest rates (and mortgage rates) have not increased at the same pace as short term rates allowing the momentum to continue. At some point the demand for housing pushed by new household formations must weaken. The demand for second homes could crater as interest rates finally rise. Surely the rapid rise in real estate prices have priced many out of the market and more will fall off as rates rise.

Supporting Schedules:

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

Company: PROGRESS ENERGY FLORIDA

Docket No. 050078-EI

Explanation: For a projected test year, provide a schedule of assumptions used in developing projected or estimated data. At a minimum, state assumptions used for balance sheet, income statement, and sales forecast.

Type of data shown:
____Historical Test Year Ended ___/___/___
_X_ Projected Test Year Ended 12/31/2006
____Prior Year Ended ___/___/___
Witness: Crisp

Line No. I. General Assumptions (Cont'd)

1 **FORECAST ASSUMPTIONS - CUSTOMER, ENERGY & DEMAND FORECAST (Continued)**
2
3 The Florida economy has faired much better than the nation, especially when it comes to job growth – construction employment in particular. The tourism industry, which has been firing on all cylinders since overcoming the terrorism fears of 2001, will now have
4 to juggle the impact of high oil prices on the travel industry. One bullet recently dodged was the result from the Base Closing Commission, which left Florida in good shape.
5
6 Growth in energy consumption is directly tied to the levels of economic activity in the State, nation and around the world, but demographic forces play a major role as well. Factors that influence in-migration rates to Florida impact
7 residential customer growth, especially since the difference between births and deaths contribute little to Florida's growing population. Obviously, many factors influence the pace of in-migration to Florida but there is one broad,
8 demographically created influence one can expect during the next few years. The University of Florida's latest population projection (February 2005) shows a return to more normal levels of growth in Florida population as we
9 move into the mid-decade. This is due to economy-related conditions and characteristics of the age cohorts reaching retirement age this decade.
10
11 CUSTOMER GROWTH RATE = **2.3%** SALES GROWTH RATE = **3.6%**
12
13
14
15
16

PROJECTED MONTHLY MWH ENERGY SALES - BILLING MONTH

YEAR	M	RESID	COML	INDUST	SHL	SPA	TOTAL RETAIL	TOTAL WHOLESALE	TOTAL SYSTEM
2005	1	1,580,977	883,397	325,588	1,620	237,708	3,029,290	384,820	3,414,110
2005	2	1,433,654	839,112	312,424	2,981	229,324	2,817,495	409,546	3,227,041
2005	3	1,332,102	848,518	302,195	2,330	235,154	2,720,299	383,727	3,104,026
2005	4	1,305,122	922,019	355,234	2,300	244,880	2,829,555	501,936	3,331,491
2005	5	1,324,269	940,218	320,647	2,288	246,938	2,834,360	382,139	3,216,499
2005	6	1,711,516	1,025,408	364,501	2,267	263,667	3,367,359	418,075	3,785,434
2005	7	2,088,043	1,151,736	330,804	2,356	286,865	3,859,804	354,533	4,214,337
2005	8	2,154,507	1,171,433	335,754	2,416	290,051	3,954,161	379,212	4,333,373
2005	9	2,075,269	1,166,153	333,898	2,370	304,132	3,881,822	389,571	4,271,393
2005	10	1,817,381	1,084,930	329,432	2,287	285,916	3,519,946	390,333	3,910,279
2005	11	1,431,759	985,232	329,728	2,245	263,941	3,012,905	358,095	3,371,000
2005	12	1,423,064	934,587	326,887	2,450	254,801	2,941,789	303,689	3,245,478
Annual 2005		19,677,663	11,952,743	3,967,092	27,910	3,143,377	38,768,785	4,655,675	43,424,460
2006	1	1,611,525	898,436	319,985	2,336	235,333	3,067,615	308,702	3,376,317
2006	2	1,552,393	854,106	308,437	2,177	239,682	2,956,795	239,573	3,196,368
2006	3	1,397,890	876,931	315,144	2,307	241,411	2,833,683	231,950	3,065,633
2006	4	1,344,790	935,077	326,018	2,350	250,969	2,859,204	235,473	3,094,677
2006	5	1,455,990	1,005,517	331,765	2,354	268,182	3,063,808	246,817	3,310,625
2006	6	1,873,634	1,128,680	337,746	2,380	296,165	3,638,605	275,226	3,913,831
2006	7	2,122,382	1,190,940	338,654	2,356	297,537	3,951,869	337,136	4,289,005
2006	8	2,194,032	1,213,575	341,226	2,416	301,739	4,052,988	375,091	4,428,079
2006	9	2,143,490	1,208,315	339,614	2,370	316,245	4,010,034	370,216	4,380,250
2006	10	1,861,082	1,122,332	334,846	2,287	296,550	3,617,097	348,612	3,965,709
2006	11	1,459,645	1,025,194	333,348	2,245	274,742	3,095,174	308,186	3,403,360
2006	12	1,446,619	961,514	328,261	2,450	262,526	3,001,370	249,134	3,250,504
Annual 2006		20,463,472	12,420,617	3,955,044	28,028	3,281,081	40,148,242	3,526,116	43,674,358

PROJECTED MONTHLY BILLED ACCOUNTS

YEAR	M	RESID	COML	INDUST	SHL	SPA	TOTAL RETAIL	TOTAL WHOLESALE	TOTAL SYSTEM
2005	1	1,366,718	157,278	2,695	1,824	20,496	1,549,011	25	1,549,036
2005	2	1,375,169	159,643	2,716	1,826	20,727	1,560,081	25	1,560,106
2005	3	1,405,897	161,586	2,728	1,818	20,935	1,592,964	25	1,592,989
2005	4	1,379,332	160,092	2,667	1,814	20,831	1,564,736	24	1,564,760
2005	5	1,433,410	166,020	2,752	1,808	21,343	1,625,333	25	1,625,358
2005	6	1,318,564	152,159	2,602	1,790	19,882	1,494,997	25	1,495,022
2005	7	1,382,073	159,854	2,687	1,804	20,837	1,567,256	25	1,567,281
2005	8	1,384,563	160,817	2,687	1,804	20,877	1,570,748	25	1,570,773
2005	9	1,386,522	161,161	2,687	1,804	20,968	1,573,143	25	1,573,168
2005	10	1,387,551	161,177	2,687	1,804	20,992	1,574,211	25	1,574,236
2005	11	1,391,132	161,254	2,687	1,804	21,026	1,577,904	25	1,577,929
2005	12	1,394,978	161,514	2,687	1,804	21,115	1,582,098	25	1,582,123
Annual 2005		1,383,826	160,213	2,690	1,809	20,836	1,569,373	25	1,569,398
2006	1	1,398,106	161,307	2,686	1,784	21,053	1,584,936	25	1,584,961
2006	2	1,406,079	161,119	2,686	1,784	21,195	1,592,863	22	1,592,885
2006	3	1,405,680	161,702	2,686	1,784	21,129	1,592,981	22	1,593,003
2006	4	1,406,539	162,249	2,686	1,784	21,175	1,594,433	22	1,594,455
2006	5	1,403,911	162,666	2,687	1,784	21,363	1,592,411	22	1,592,433
2006	6	1,406,628	163,068	2,687	1,784	21,338	1,595,505	22	1,595,527
2006	7	1,408,791	163,086	2,687	1,784	21,411	1,597,759	22	1,597,781
2006	8	1,411,209	164,043	2,687	1,784	21,452	1,601,175	22	1,601,197
2006	9	1,413,094	164,380	2,687	1,784	21,543	1,603,488	22	1,603,510
2006	10	1,414,095	164,400	2,687	1,784	21,566	1,604,533	22	1,604,555
2006	11	1,417,673	164,490	2,687	1,784	21,599	1,608,233	22	1,608,255
2006	12	1,421,595	164,777	2,687	1,784	21,689	1,612,532	22	1,612,554
Annual 2006		1,409,450	163,107	2,687	1,784	21,376	1,598,404	22	1,598,426

PROJECTED MONTHLY MW COINCIDENT DEMANDS

		RETAIL			COMPANY	WHOLESALE			TOTAL SYSTEM	
YEAR	M	PRE DLC	ALL DLC	FIRM	USE	PRE DLC	IS	FIRM*	PRE DLC	FIRM
2005	1	8,624	1,230	7,394	21	1,600	413	1,182	10,245	8,597
2005	2	6,445	1,049	5,396	21	951	408	538	7,417	5,955
2005	3	6,660	927	5,733	21	948	532	411	7,629	6,165
2005	4	6,811	504	6,307	21	700	327	368	7,532	6,696
2005	5	7,663	525	7,138	21	922	423	494	8,606	7,653
2005	6	8,071	585	7,486	21	948	287	656	9,040	8,163
2005	7	8,024	577	7,447	21	995	287	703	9,040	8,171
2005	8	8,071	596	7,475	21	1,066	287	774	9,158	8,270
2005	9	7,642	589	7,053	21	953	282	666	8,616	7,740
2005	10	7,201	471	6,730	21	815	267	543	8,037	7,294
2005	11	6,256	796	5,460	21	708	267	436	6,985	5,917
2005	12	7,230	879	6,351	21	1,192	282	905	8,443	7,277
2006	1	8,912	1,239	7,673	21	1,455	53	1,396	10,388	9,090
2006	2	7,356	1,099	6,257	21	771	53	713	8,148	6,991
2006	3	6,387	951	5,436	21	572	54	513	6,980	5,970
2006	4	6,915	482	6,433	21	572	51	516	7,508	6,970
2006	5	7,842	566	7,276	21	733	51	677	8,596	7,974
2006	6	8,255	610	7,645	21	934	51	878	9,210	8,544
2006	7	8,277	608	7,669	21	999	51	943	9,297	8,633
2006	8	8,315	612	7,703	21	1,041	51	985	9,377	8,709
2006	9	7,860	596	7,264	21	933	51	877	8,814	8,162
2006	10	7,429	503	6,926	21	736	51	680	8,186	7,627
2006	11	6,420	805	5,615	21	702	51	646	7,143	6,282
2006	12	7,394	891	6,503	21	1,277	51	1,221	8,692	7,745

PEF FORECAST VARIANCE REVIEW

ACTUAL BILLED ACCOUNTS VS JULY 2004 FORECAST
YEAR-TO-DATE JUNE 2005

CLASS OF BUSINESS	ACTUAL*	FORECAST	DIFF	% DIFF
RESIDENTIAL	1,387,805	1,383,494	4,310	0.3%
COMMERCIAL	160,481	160,313	169	0.1%
INDUSTRIAL	2,702	2,813	-111	-3.9%
ST & HIGHWAY	1,814	1,850	-37	-2.0%
PUBLIC AUTHORITY	20,819	20,903	-85	-0.4%
TOTAL RETAIL	1,573,620	1,569,373	4,247	0.3%
REA	8	5	3	60.0%
MUNICIPAL	20	19	1	5.3%
TOTAL WHOLESALE	28	24	4	16.7%
TOTAL SYSTEM	1,573,648	1,569,397	4,251	0.3%

* Corrected for Event-driven billing.

PEF FORECAST VARIANCE REVIEW

ACTUAL BILLED MWH SALES VS JULY 2004 FORECAST
YEAR-TO-DATE JUNE 2005

CLASS OF BUSINESS	ACTUAL	WEATHER ADJUSTED	FORECAST	ACTUAL % DIFF	ADJUSTED % DIFF
RESIDENTIAL	8,687,640	8,884,266	9,045,520	-4.0%	-1.8%
COMMERCIAL	5,458,672	5,531,840	5,756,637	-5.2%	-3.9%
INDUSTRIAL	1,980,589	1,980,589	2,156,093	-8.1%	-8.1%
ST & HIGHWAY	13,786	13,786	13,925	-1.0%	-1.0%
PUBLIC AUTHORITY	1,457,671	1,477,003	1,520,837	-4.2%	-2.9%
TOTAL RETAIL	17,598,358	17,887,484	18,493,012	-4.8%	-3.3%
REA	643,027	643,027	528,652	21.6%	21.6%
MUNICIPAL	1,833,808	1,833,808	1,856,075	-1.2%	-1.2%
TOTAL WHOLESALE	2,476,835	2,476,835	2,384,727	3.9%	3.9%
TOTAL SYSTEM	20,075,193	20,364,319	20,877,739	-3.8%	-2.5%

FORECAST COMPARISON - ORIGINAL VS. REVISED

TEST YEAR 2006 MWH ENERGY SALES

CLASS OF BUSINESS	REVISED* FORECAST	ORIGINAL FORECAST	DIFF	% DIFF
RESIDENTIAL	20,463,472	20,599,553	-136,081	-0.7%
COMMERCIAL	12,420,617	13,001,517	-580,900	-4.5%
INDUSTRIAL	3,955,044	4,484,534	-529,490	-11.8%
ST & HIGHWAY	28,028	28,070	-42	-0.1%
PUBLIC AUTHORITY	3,281,081	3,384,250	-103,169	-3.0%
TOTAL RETAIL	40,148,242	41,497,924	-1,349,682	-3.3%
REA	1,845,180	1,312,657	532,523	40.6%
MUNICIPAL	2,154,499	2,412,369	-257,870	-10.7%
TOTAL WHOLESALE	3,999,679	3,725,026	274,653	7.4%
TOTAL SYSTEM	44,147,921	45,222,950	-1,075,029	-2.4%

* Reflects the loss of the City of Winter Park

FORECAST COMPARISON - ORIGINAL VS. REVISED

TEST YEAR 2006 BILLED ACCOUNTS

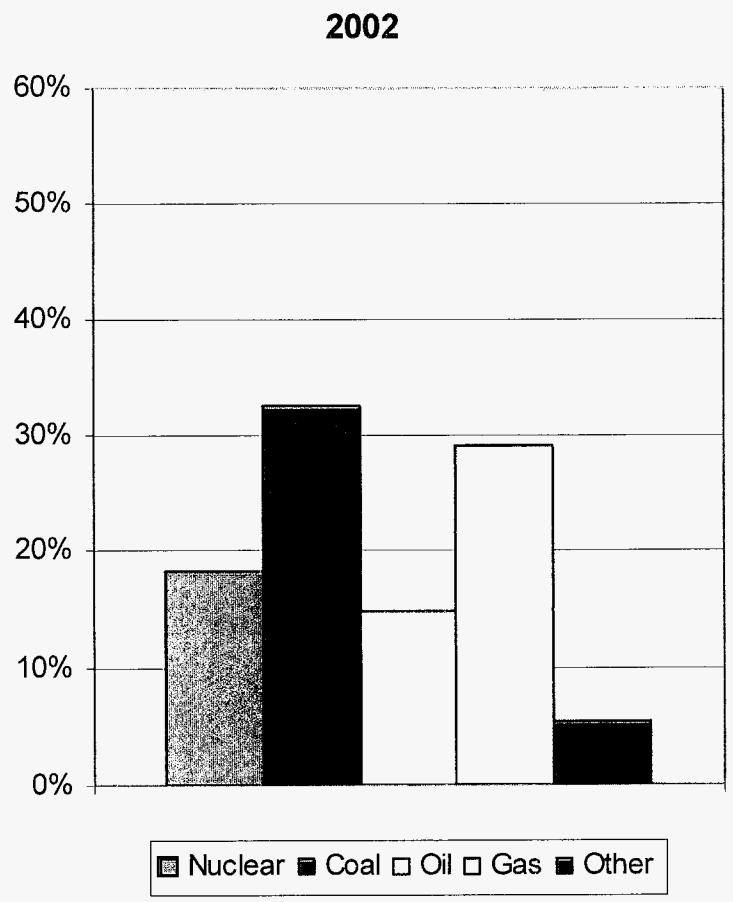
CLASS OF BUSINESS	REVISED* FORECAST	ORIGINAL FORECAST	DIFF	% DIFF
RESIDENTIAL	1,409,449	1,412,969	-3,520	-0.2%
COMMERCIAL	163,107	164,319	-1,212	-0.7%
INDUSTRIAL	2,687	2,813	-126	-4.5%
ST & HIGHWAY	1,784	1,850	-66	-3.6%
PUBLIC AUTHORITY	21,376	21,629	-253	-1.2%
TOTAL RETAIL	1,598,403	1,603,580	-5,177	-0.3%
REA	7	5	2	40.0%
MUNICIPAL	15	15	0	0.0%
TOTAL WHOLESALE	22	20	2	10.0%
TOTAL SYSTEM	1,598,425	1,603,600	-5,175	-0.3%

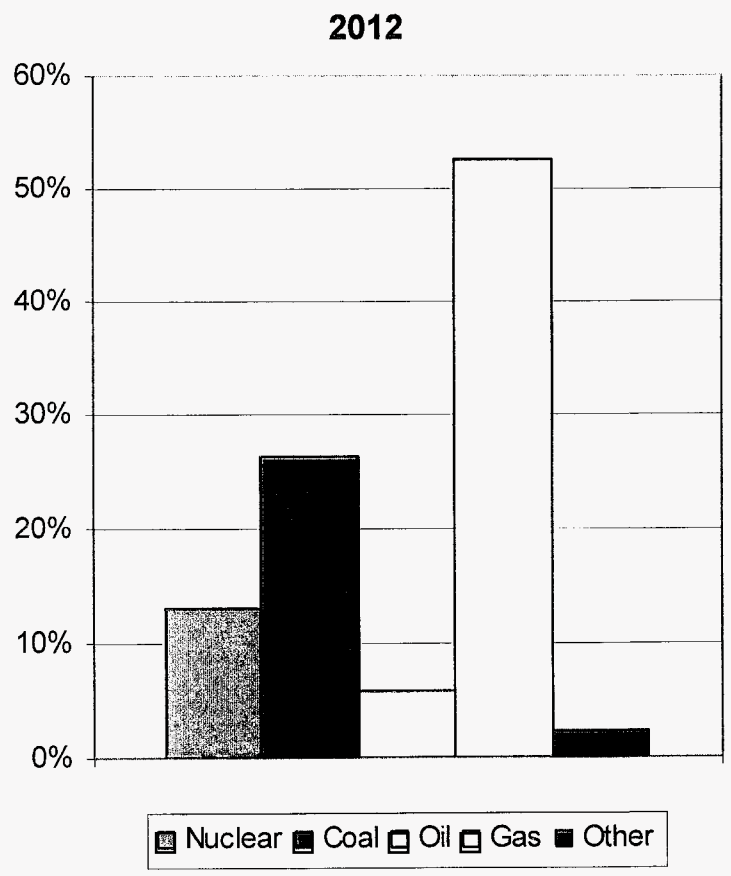
* Reflects the loss of the City of Winter Park

August 6, 2003

Progress Energy

FRCC Utility Energy Sources 2002 and 2012





North American Gas Supply Gap

- Demand for natural gas projected to be about 67 bcf per day in 2004
- Some forecasts show growth in demand after 2004 of about 1.7% per year to ~74 bcf per day in 2010
- Increase in demand of about 10% between 2004 and 2010

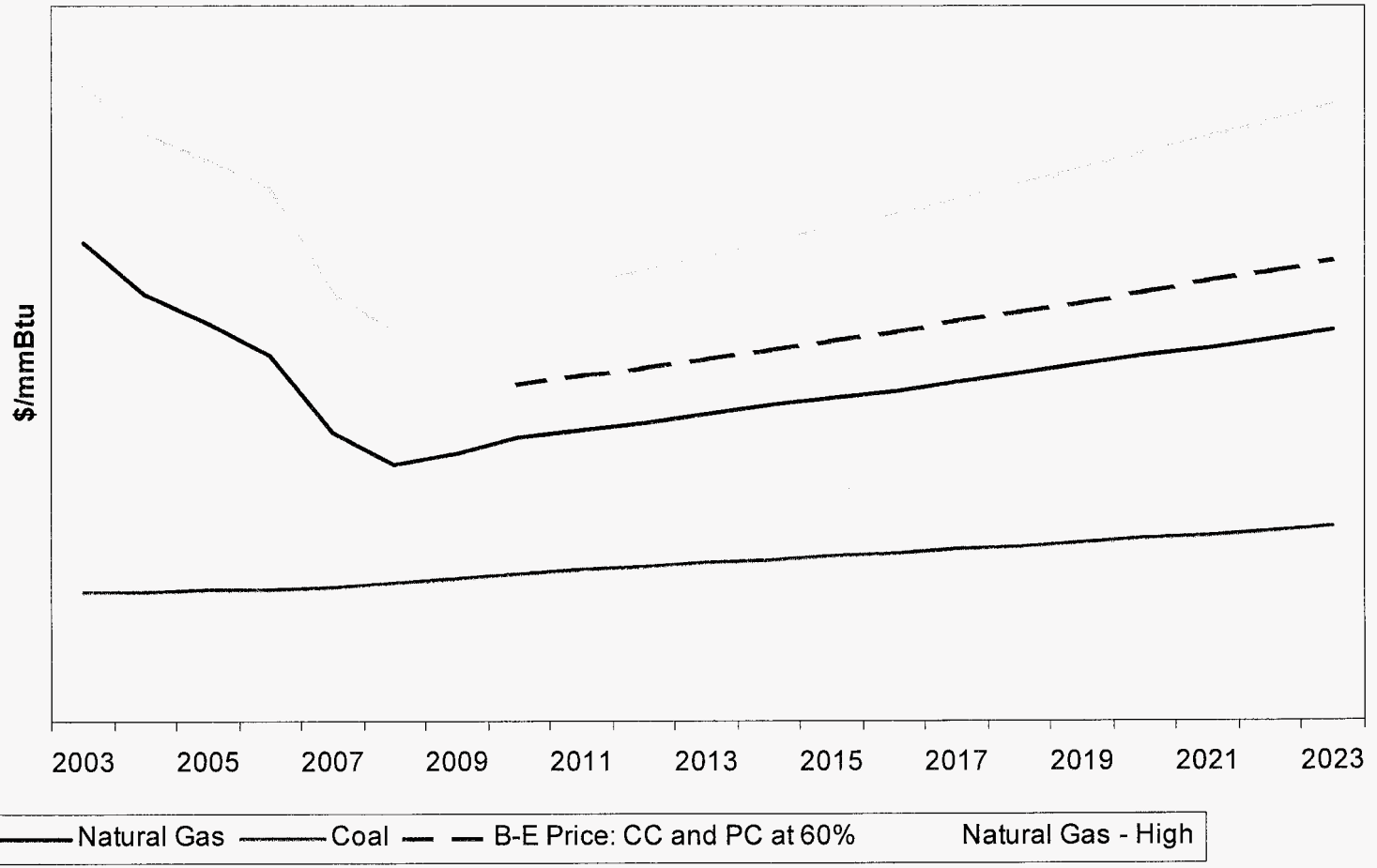
- Supply, from *currently existing productive resources only*, is predicted to stay nearly flat:

  about 65 bcf per day in 2004, rises slightly in the following years, and then decreases back to about 66 bcf per day in 2010

- Gap projected between demand and supply (from existing resources) in 2010: ~12% or 8 bcf per day

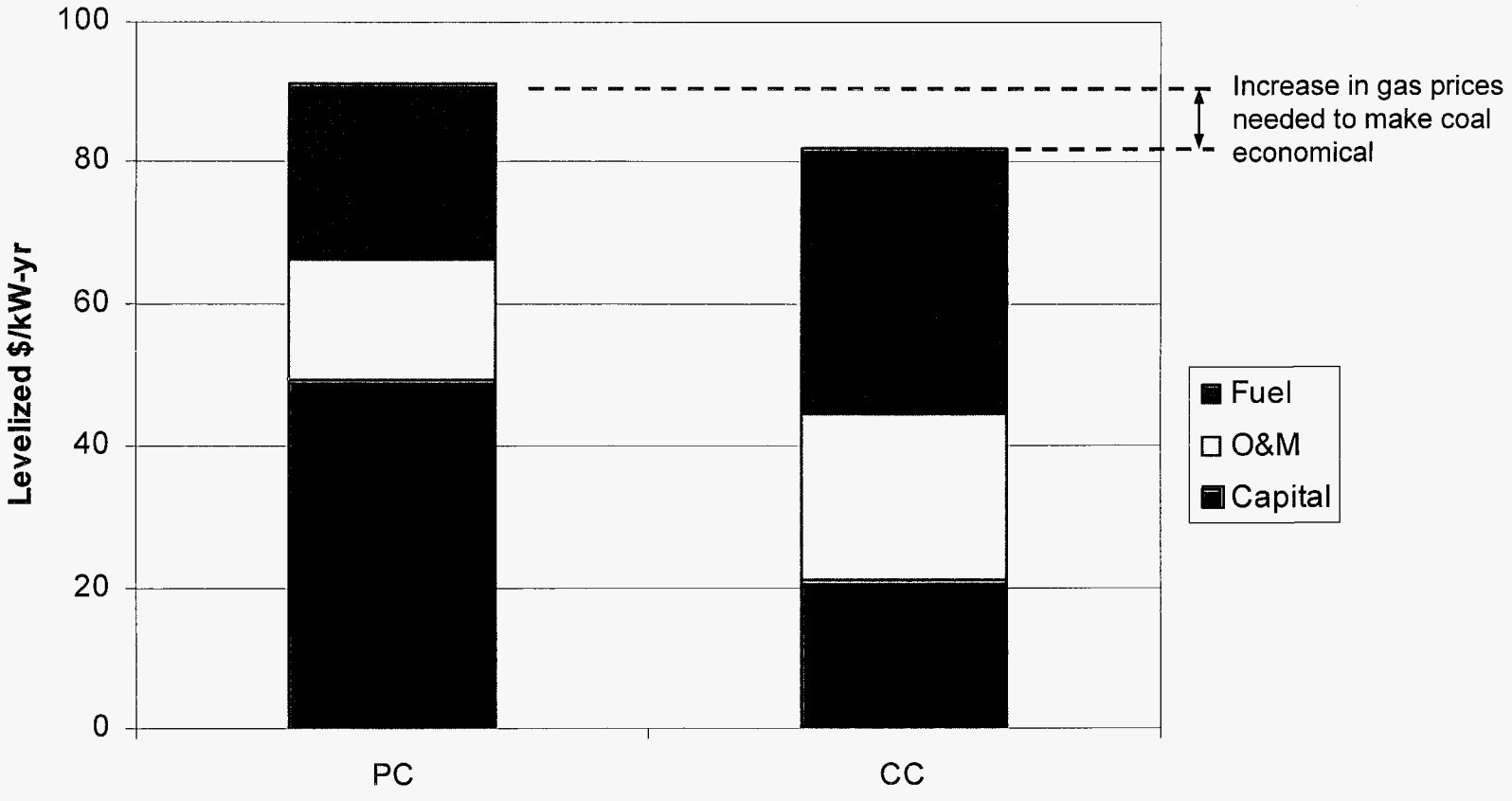
Fuel Price Forecasts

Gas prices required to make coal economical



Busbar Cost Comparison

60% capacity factor



Based on generic planning assumptions; subject to change

Progress Energy

Discussion

- Will required gas-coal price differential occur and hold?
  - Need sustained delta of approximately $3.75 / mmbtu
  - LNG & expansion will develop to undercut coal
  - Current administration will sponsor gas development
  - Historically spot coal volatility has mirrored gas spikes
  - Gas markets will react quickly to proposed coal development
- Limited Coal Plant EPC Skills
- TVA/Midwest (15% lower coal cost) will move first

Summary

Pros for Coal Development:

- Base/intermediate generation (like coal) is needed to support Florida load growth
- Some high gas forecasts suggest coal may be economic

Cons against Coal Development:

- Coal is not economic under current base gas forecast
- High risk (based on historic fuel price trends, energy policy, fuel industry response) that *SUSTAINED* price differential required will not occur
- High cost/risk environmental uncertainties associated with coal

Going Forward

Alternative Paths

Introduce coal into expansion plan?

- Issue RFP to accommodate coal unit construction schedule (not the next planned unit)
- Regulatory and environmental risks
  - Recovery
  - Least Cost
  - CO2, Mercury, etc.

Maintain current gas expansion plan?

- Supply/Availability addressed at the national level
- Price addressed at regional level (contract terms, hedging, etc)