

**Before the
Florida Public Service Commission**

**In re: Petition to Recover Costs of
Crystal River Unit 3 Uprate through
the Fuel Clause**

**DOCKET NO. 070052-EI
Submitted for filing:
June 19, 2007**

Direct Testimony and Exhibits of

Jeffry Pollock

On behalf of the

**Florida Industrial Power Users Group
(FIPUG)**

John W. McWhirter, Jr.
Florida Bar # 53905
Harold McLean
Bar # 193591
McWhirter, Davidson
& McLean PA
400 N. Tampa St.
Tampa, Florida 33602-4708
Tel 813.224.0866

June 2007



J . P O L L O C K
I N C O R P O R A T E D

Before the
Florida Public Service Commission

In re: Petition to Recover Costs of
Crystal River Unit 3 Uprate through
the Fuel Clause

DOCKET NO. 070052-EI
Submitted for filing:
June 19, 2007

Table of Contents

Filename: JPDT&E.pdf

| | |
|--|---|
| I. INTRODUCTION AND QUALIFICATIONS | 3 |
| II. PURPOSE AND SUMMARY OF TESTIMONY | 3 |
| III. DOCKET NO 050078 SETTLEMENT | 5 |
| IV. FUEL CLAUSE RECOVERY IS IMPROPER..... | 8 |
| V. DOUBLE-RECOVERY | 11 |
| VI. PEF'S PROPOSED COST RECOVERY IS IMPROPER | 15 |
| APPENDIX A | 22 |
| Exhibit No.____(JP-1) | Progress Energy Florida, Inc's Rate of Return Report for the 12 Months Ended December 31, 2006 |
| Exhibit No.____(JP-2) | United States Nuclear Regulatory Commission Backgrounder: Power Uprates for Nuclear Plants |
| Exhibit No.____(JP-3) | An Illustration of the Impact of Sales Growth on Base Rate Recovery |
| Exhibit No.____(JP-4) | CCRC vs. Fuel Clause Allocation Factors. |

Before the
Florida Public Service Commission

In re: Petition to Recover Costs of
Crystal River Unit 3 Uprate through
the Fuel Clause

DOCKET NO. 070052-EI
Submitted for filing:
June 19, 2007

1

Direct Testimony of Jeffry Pollock

2

I. INTRODUCTION AND QUALIFICATIONS

3

Q PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

4

A Jeffry Pollock; 12655 Olive Blvd., Suite 335, St. Louis, MO 63141.

5

**Q WHAT IS YOUR OCCUPATION AND BY WHOM ARE YOU
EMPLOYED?**

6

7

A I am an energy advisor and President of J.Pollock, Incorporated.

8

**Q PLEASE STATE YOUR EDUCATIONAL BACKGROUND AND
EXPERIENCE.**

9

10

A I have a Bachelor of Science Degree in Electrical Engineering and a
Masters in Business Administration from Washington University. Since
graduation in 1975, I have been engaged in a variety of consulting
assignments including energy procurement and regulatory matters in both
the United States and several Canadian provinces.

11

12

13

14

15

Q ON WHOSE BEHALF ARE YOU TESTIFYING IN THIS PROCEEDING?

16

A I am testifying on behalf of the Florida Industrial Power Users Group
(FIPUG). The participating FIPUG members are customers of Progress
Energy Florida (PEF) and take service under various rate schedules.

17

18

19

II. PURPOSE AND SUMMARY OF TESTIMONY

1 Q WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS
2 PROCEEDING?

3 A My testimony addresses PEF'S proposal to recover the Crystal River Unit
4 3 (CR3) uprate costs through the fuel clause.

5 Q DO YOU HAVE ANY EXHIBITS TO YOUR TESTIMONY?

6 A Yes. I have supervised the preparation of, or prepared the four exhibits to
7 my Direct Testimony listed on the Table of Contents.

8 Q PLEASE SUMMARIZE YOUR FINDINGS AND RECOMMENDATIONS
9 IN THIS PROCEEDING.

10 A PEF's proposed fuel clause recovery should be rejected for the following
11 reasons. First, it would be a direct violation of the Settlement in PEF's
12 2005 base rate case (Docket No. 050078). Among other things, the
13 Settlement required that base rates remain frozen through December
14 2009. Second, the proposed uprate does not qualify for cost recovery
15 through the fuel clause because (a) the costs are not fuel-related and
16 they are not volatile; (b) nuclear uprates are neither new nor innovative;
17 and (c) the additional capacity to be provided by the uprate is needed by
18 PEF to meet its projected peak demands and to maintain the required
19 reserve margins. Third, collecting these costs through the fuel clause
20 would create a double-recovery, because PEF's base rate already
21 reflects the recovery of nuclear capacity costs. Fourth, the proposed fuel
22 clause recovery is improper because (a) the costs at issue are properly
23 classified as demand-related; (b) it would result in cost shifting because
24 demand-related costs would be recovered on an energy, or kWh basis,
25 and (c) the proposed 10-year amortization period would fail to match the

1 costs of the uprate (which is expected to last through 2036), with the
2 projected benefits, which are also projected to occur through 2036 the
3 projected remaining life of CR3, (if PEF's planned license extension is
4 granted).

5 Should the Commission, nevertheless, allow special cost
6 recovery, the nuclear uprate costs properly allocable to PEF's retail
7 customers should be recovered through the Capacity Cost Recovery
8 Clause (CCRC). With the exception of the transmission portion of PEF's
9 request, the costs should be amortized over the expected remaining life
10 of CR3. Additional transmission costs should be amortized over a period
11 not less than 40 years, consistent with the expected useful life of PEF's
12 transmission facilities.

13 **III. DOCKET NO 050078 SETTLEMENT**

14 **Q DID YOU PARTICIPATE IN DOCKET NO. 050078?**

15 A Yes. I participated in this matter on behalf of FIPUG. Specifically I
16 advised FIPUG on the relevant issues and supported the negotiations
17 that ultimately resulted in the Stipulation and Settlement Agreement.

18 Thus, I am familiar with the terms of the Agreement.

19 **Q PLEASE EXPLAIN YOUR ASSERTION THAT PEF'S PROPOSED**
20 **RECOVERY OF NUCLEAR UPRATE COSTS THROUGH THE FUEL**
21 **CLAUSE WOULD BE A DIRECT VIOLATION OF THE DOCKET 050078**
22 **SETTLEMENT.**

23 A The Agreement requires that PEF's base rates remain frozen through
24 December 31, 2009 (or June 30, 2010, if PEF elects to extend the
25 Agreement). Specifically it states that:

1 “PEF may not petition for an increase in base rates and charges
2 that would take effect prior to the first billing cycle for January
3 2010 (or that would take effect prior to the first billing cycle for
4 July 2010, if PEF elects to extend this Agreement pursuant to
5 Section 1), except as otherwise provided for in Sections 7 and
6 10 of this Agreement. During the term of this Agreement, except
7 as otherwise provided for in this Agreement, or except for
8 unforeseen extraordinary costs imposed by government
9 agencies relating to safety or matters of national security, PEF
10 will not petition for any new surcharges, on a interim or
11 permanent basis, to recover costs that are of a type that
12 traditionally and historically would be, or are presently recovered
13 through base rates.” (*Stipulation and Settlement Agreement* at 4-
14 5)

15 The proposed nuclear uprate costs are clearly those that would
16 traditionally and historically be recovered in base rates. PEF may not
17 circumvent the requirement by recovering base rate costs through the fuel
18 clause. Further, as explained later, PEF’s base rates already recover
19 nuclear capacity-related costs. Thus, further recovery of these costs
20 through the fuel clause would be double-recovery.

21 **Q ARE THERE ANY EXCEPTIONS TO THE BASE RATE FREEZE**
22 **PROVIDED FOR IN THE AGREEMENT?**

23 **A**Yes, but none of those exceptions permit the recovery of CR3 uprate
24 costs in fuel charges. The Agreement provides that PEF could
25 petition the Commission for a base rate increase if its retail base rate

1 earnings fall below a 10% return on equity, as reported on a
2 Commission-adjusted or pro-forma basis, on a PEF monthly earning
3 surveillance report. Next, PEF could petition for a base rate increase
4 in the event that it was unable to recover costs associated with any
5 catastrophic storms. Finally, PEF was allowed, by the Commission
6 approved settlement agreement, to adjust base rates to recover the
7 full non-fuel cost of Hines Unit 4, and at the same time, it would be
8 allowed to roll-in to Hines Unit 2's 2006 full revenue requirements
9 (excluding non-fuel O&M expense) to base rates. This adjustment
10 would occur when Hines Unit 4 begins commercial operation, which
11 is currently planned for December 2007.

12 **Q WHAT WERE SOME OF THE OTHER ASPECTS OF THE**
13 **SETTLEMENT AGREEMENT?**

14 A. The 2005 base rate case initiated by PEF sought a base rate increase of
15 \$206 million. After full discovery the Commission approved a settlement
16 which added Hines Unit 3 into the rate base with no increase in rates.
17 The settlement has apparently had no serious adverse impact on PEF.
18 **Exhibit ___ (JP-1)** is a copy of PEF's Rate of Return report for the 12
19 months ended December 31, 2006. Referring to page 11, PEF had
20 sufficient cash flow to pay \$235 million in dividends to its parent public
21 utility, add \$734 million in new construction to its rate base from operating
22 revenues, and have \$123 million left over while still earning 11% after
23 taxes on the equity component of its capital structure. It would be very
24 difficult to characterize the nuclear uprate as an extraordinary
25 circumstance giving rise to the need for new cash to preserve PEF's

1 financial integrity.

2 **Q IS PEF EARNING LESS THAN A 10% RETURN ON COMMON EQUITY**
3 **FROM ITS RETAIL OPERATIONS?**

4 A No. As can be seen in **Exhibit ____ (JP-1)**, PEF's earned return on
5 common equity was 11.00% in 2006. Thus, PEF does not qualify for a
6 base rate adjustment under the terms of the Stipulation in Docket No.
7 050078.

8 **Q ARE ANY OF THE OTHER EXCEPTIONS THAT ALLOW PEF TO**
9 **ADJUST BASE RATES RELEVANT?**

10 A No. PEF could seek higher base rate recovery of costs associated with
11 any catastrophic storms. However, this particular exception is not
12 relevant to the issues in this proceeding. The other exceptions are to
13 allow the recovery of Hines Unit 2 and Unit 4 costs when the latter unit
14 begins commercial operation. I shall discuss the relevance of these
15 further exceptions later in this testimony.

16 **IV. FUEL CLAUSE RECOVERY IS IMPROPER**

17 **Q WHAT IS THE BASIS FOR YOUR ASSERTION THAT THE NUCLEAR**
18 **UPRATE COSTS DO NOT QUALIFY FOR FUEL CLAUSE**
19 **RECOVERY?**

20 A First, the nuclear uprate costs are not fuel-related and they are not
21 volatile. Specifically, the nuclear uprate costs consist of three capital
22 components:

| | | |
|----|---|----------------------|
| 23 | Power uprate | \$250 million |
| 24 | Transmission system modifications | \$ 89 million |
| 25 | Modification to address point of discharge (POD) issues | <u>\$ 43 million</u> |

1 Total \$382 million

2 None of the above components are fuel-related costs as previously
3 defined by the Commission. Fuel-related costs eligible for recovery
4 through the fuel clause include:

- 5 1. The invoice price of fuel.
- 6 2. Any revisions to the invoice price.
- 7 3. Any quality and/or quantity adjustments to the invoice price.
- 8 4. Transportation costs to the utility's system, including detention or
9 demurrage.
- 10 5. Federal and state taxes and purchasing agents' commissions.
- 11 6. Port charges.
- 12 7. All quantity and/or quality inspections performed by independent
13 inspectors.
- 14 8. All additives blended with fuel prior to burning or injected into the
15 boiler firing chamber along with fuel.
- 16 9. Inventory adjustments due to volume and/or price adjustments.
- 17 10. Fossil fuel-related costs normally recovered through base rates, but
18 which were not recognized or anticipated in the cost levels used to
19 determine current base rates and which, if expended, will result in fuel
20 savings to customers. Recovery of such costs should be made on
21 case-by-case basis after Commission approval. (*In re: Cost recovery*
22 *Methods for Fuel-Related Expenses, Docket No. 0850001- EI-B;*
23 *Order No. 14546* dated July 8, 1985.) The Commission also found
24 that costs eligible for fuel clause recovery must be volatile. Clearly,
25 capital investments associated with generation and transmission

1 capacity additions are not volatile.

2 **Q WOULDNT THE NUCLEAR UPRATE COSTS QUALIFY FOR FUEL**
3 **COST RECOVERY UNDER ITEM 10 ABOVE?**

4 **A** No. Clearly, the proposed modifications anticipated to the transmission
5 system are only incidentally related to the uprate project itself. However,
6 it is a mis-leading and inaccurate over-simplification to assert that the sole
7 purpose of the CR3 power uprate project is to reduce fuel costs. In its
8 *April 2007 Ten-Year Site Plan* PEF has included the CR3 power uprate
9 project as capacity that will be used to provide a reasonable reserve
10 margin. Thus, PEF forecasts that this additional capacity is needed.

11 Further, the Stipulation in Docket No. 050078 anticipated that PEF
12 would continue to make substantial investments in new electric
13 generation and other infrastructure, and that the Stipulation would
14 mitigate the impact of high energy prices. Specifically, the Stipulation
15 states:

16 WHEREAS PEF and the parties to this Agreement
17 recognize that this is a period of unprecedented world energy
18 prices and that this Agreement will mitigate the impact of high
19 energy prices; (*Stipulation and Settlement Agreement* at 1).

20 WHEREAS, the company must make substantial
21 investments in the construction of new electric generation and
22 other infrastructure for the foreseeable future in order to continue
23 to provide safe and reliable power to meet the growing needs of
24 customers in the state of Florida: (*Stipulation and Settlement*
25 *Agreement* at 3).

1 Q PEF ASSERTS THAT THE CR3 POWER UPRATE PROJECT IS
2 INNOVATIVE. DO YOU AGREE WITH PEF'S CHARACTERIZATION?

3 A No. Nuclear uprate projects are neither new nor innovative. As such, it is
4 unnecessary to provide incentives, such as fuel clause recovery of the
5 nuclear uprate capital costs, to encourage a utility to act in a prudent
6 manner for the benefit of its ratepayers.

7 Q ARE NUCLEAR PLANT UPRATES NEW AND INNOVATIVE
8 MEASURES?

9 A No. The Nuclear Regulatory Commission (NRC) published a report in
10 June 2005 entitled, *Power Uprates for Nuclear Plants*. A copy of this
11 report is enclosed as **Exhibit ____ (JP-2)**. As can be seen, the Report
12 lists all of the nuclear uprate projects that the NRC has approved. As can
13 be seen, the NRC has approved more than 100 uprates since 1977. This
14 includes a 24 MW uprate of CR3 in 2002 (see Item 90). An additional 11
15 uprate projects are under review. Given that over 100 nuclear uprate
16 projects have been approved, it would be misleading at best to claim that
17 the pending CR3 uprate is new and innovative. For this reason, and
18 because the settlement in Docket No. 050078 anticipated additional
19 construction expenditures, PEF's request for fuel clause recovery should
20 be denied.

21 **V. DOUBLE-RECOVERY**

22 Q YOU PREVIOUSLY STATED THAT THE PROPOSED FUEL CLAUSE
23 RECOVERY OF THE CR3 POWER UPRATE PROJECT WOULD BE A
24 DIRECT VIOLATION OF THE SETTLEMENT IN DOCKET NO. 050078.
25 WOULD THAT STILL BE THE CASE, EVEN IF THE SPECIFIC CR3

1 **POWER UPRATE-RELATED COSTS WERE NOT REFLECTED IN**
2 **PEF'S BASE RATES?**

3 A Yes. The Settlement does not require that nuclear uprate costs
4 specifically be recognized in base rates as a condition for the base rate
5 freeze. Specifically, it states that:

6 “PEF will not petition for any new surcharges, on an interim or
7 permanent basis, to recover costs that are of a type that
8 traditionally and historically would be, or are presently, recovered
9 through base rates.” (Settlement and Stipulation Agreement at
10 4-5)

11 The CR3 power uprate costs are the same as other costs that PEF is
12 currently recovering in base rates. For example, PEF is recovering a full
13 return on and a return of the CR3 plant, which includes capitalized labor,
14 equipment and cooling towers to dissipate the heat generated by the
15 nuclear reactor. In addition, PEF's base rates also recover a return on
16 and a return of transmission costs. Thus, all three components of the
17 CR3 power uprate project are similar in nature to costs that PEF is
18 currently recovering in its base rates. Any attempt to recover the same
19 type of costs through the fuel clause would circumvent this specific
20 provision of the rate case settlement and result in a double-recovery.

21 **Q DOES IT NECESSARILY FOLLOW THAT, BECAUSE NUCLEAR**
22 **UPRATE COSTS WERE NOT SPECIFICALLY CONSIDERED IN PEF'S**
23 **2005 BASE RATE CASE, PEF IS SOMEHOW NOT RECOVERING**
24 **THEM THROUGH BASE RATES?**

25 A No. The fact that a particular cost component may not have been

1 specifically recognized in setting base rates does not mean that the utility
2 is not recovering any new costs, such as the CR3 power uprate project.

3 **Q PLEASE EXPLAIN**

4 **A** A utility's base rates are set to recover non-fuel costs during a specific
5 test year based on the amount of test year electricity sales. Base rate
6 recovery includes equipment and labor costs, including both internal and
7 third-party providers. However, once set, revenues and costs will
8 change. Revenues will increase because of customer growth and higher
9 sales. Capital additions will be made to serve that growing demand for
10 electricity. However, these will be offset to some extent by the
11 depreciation and retirement of existing investments. Operating expenses
12 will also change. Some will increase while others will decrease.

13 To the extent that the company experiences sales growth, the
14 additional sales will generate additional base revenue, thus offsetting
15 further increases in base rate costs—such as the costs associated with
16 projects that were not specifically recognized in the prior base rate case.
17 This fundamental ratemaking principle is illustrated in **Exhibit____ (JP-3)**.
18 This exhibit assumes that when base rates are set the utility has a base
19 rate revenue requirement of \$50,000 and electricity sales of 1,000
20 megawatthours (MWh). This results in an average base rate cost of \$50
21 per MWh. Subsequent to the rate case, the utility's sales grow by 3%,
22 from 1,000 MWh to 1,030 MWh. Because base rates are fixed at \$50 per
23 MWh, base rates generate \$5,150. This is \$1,500 above the level of base
24 rate recovery assumed during the test year. In Year 2, the utility
25 continues to experience a 3% growth in sales. This means it will recover

1 over \$3,000 of additional base rate costs not otherwise reflected in the
2 test year—when the utility’s base rates were last set.

3 Thus, the application of fundamental ratemaking principles clearly
4 demonstrates that a utility can recover increased base rate costs
5 without the need for separate cost recovery. Because nuclear uprate
6 costs are no different than the costs that were used to set PEF’s current
7 base rates, and because PEF is selling more electricity than during the
8 test year in its last rate case, and recognizing PEF’s recent earnings,
9 allowing PEF to collect CR3 nuclear uprate project costs through the fuel
10 clause would result in a double-recovery.

11 **Q WOULD REJECTING PEF’S PROPOSAL TO COLLECT NUCLEAR**
12 **UPRATE COSTS THROUGH THE FUEL CLAUSE DENY PEF THE**
13 **OPPORTUNITY TO RECOVER NUCLEAR UPRATE COSTS?**

14 **A** No. Given the ratemaking dynamics as discussed earlier, there is no
15 rational basis to assert that piecemeal recovery (through the fuel clause)
16 of particular new investments (e.g., CR3 nuclear uprate costs) is needed
17 to allow a utility to recover these costs.

18 **Q DO YOU HAVE ANY PEF-SPECIFIC EXAMPLES WHERE**
19 **ADDITIONAL INVESTMENT WAS ADDED WITHOUT THE NEED TO**
20 **IMPLEMENT HIGHER RATES?**

21 **A** Yes. The Settlement and Stipulation in the 2005 rate case contemplated
22 both sales and revenue growth and continuing rate base investment to
23 serve the growing load. Acknowledging these terms, PEF agreed to
24 continue the existing base rates despite the many additions to rate base,
25 such as Hines Unit 3, that had occurred since the prior case. Despite the

1 additional investments, PEF's actual ROE was still above the 10% ROE
2 floor. This clearly demonstrates that PEF has sufficient revenues to
3 recover nuclear uprate costs without fuel clause recovery.

4 Further, PEF will have more than ample cost recovery due to the
5 ratemaking treatment of Hines Units 2 and 4. As previously stated, Hines
6 Unit 2 will be rolled-in to base rates at its 2006 cost of service, while
7 Hines Unit 4 will be rolled-in to base rates at 100% of its cost of service
8 on its commercial operation date, which is estimated to occur this
9 December. However, between 2006 and 2008, when Hines Unit 2 costs
10 would be reflected in base rates, PEF will have depreciated a portion of
11 Unit 2 investment, thereby reducing the associated revenue requirement.
12 By holding base rates constant while reducing the revenue requirement,
13 PEF will generate additional margins, which can be used to offset higher
14 costs. A similar benefit will be realized with Hines Unit 4 after it begins
15 commercial operation.

16 Given the dynamics of ratemaking and these specific facts
17 applicable to PEF, PEF does not need a "piecemeal" rate increase to
18 recover nuclear uprate costs just because they were incurred subsequent
19 to its last rate case. If PEF is unable to earn at least a 10% ROE, then
20 the door is open to a base rate adjustment. Further, PEF will have an
21 opportunity to seek cost recovery after the termination of the base rate
22 freeze. Most of the costs will be incurred after 2010.

23 **VI. PEF'S PROPOSED COST RECOVERY IS IMPROPER**

24 **Q PLEASE EXPLAIN WHY PEF'S PROPOSED COST RECOVERY OF**
25 **CR3 NUCLEAR UPRATE PROJECT COSTS IS IMPROPER.**

1 A First, all of the proposed uprate costs are fixed costs and relate directly to
2 the rated capacity of the nuclear unit. Thus, they are properly considered
3 demand-related costs. Demand-related costs should be allocated and
4 recovered on a demand basis under all accepted conventions of cost
5 causation, cost of service ratemaking, and long standing Commission
6 practice.

7 PEF is proposing to recover these costs through the fuel clause.
8 Under the fuel clause, costs are recovered relative to loss-adjusted MWh
9 sales. In effect, this would allocate demand-related costs on an all energy
10 basis. Such an approach is improper because it would shift cost
11 responsibility among customer classes that is inconsistent with basic cost
12 causation principles. Further, it would be inconsistent with PEF's
13 allocation of other nuclear and transmission base rate costs, which are
14 allocated among customer classes on a demand basis. The second
15 reason for rejecting PEF's cost recovery proposal is that it proposes to
16 amortize the CR3 nuclear uprate project costs over 10 years. However,
17 despite the 10-year amortization period, the company is projecting fuel
18 savings through 2036, or 28 years. This claim assumes that the
19 Company will be successful at extending the life of CR3 to 2036. PEF
20 admits (in response to OPC's 1st set of Interrogatories 5, 7 and 8) that the
21 MUR modification, the transmission upgrades, and the cooling towers are
22 designed for the extended life of the plant. Thus, it would be
23 fundamentally improper to allow PEF to recover capital costs over 10
24 years for plant investment and related capacity that will be in service
25 through 2036 because it would require current ratepayers to subsidize

1 investments that will benefit ratepayers well into the future. These capital
2 costs should be recovered over the expected remaining life of the assets.

3 **Q PLEASE EXPLAIN HOW FUEL CLAUSE RECOVERY OF CR3**
4 **NUCLEAR UPRATE COSTS WOULD RESULT IN IMPROPER COST**
5 **SHIFTING BETWEEN CUSTOMER CLASSES.**

6 **A** Nuclear base rate costs are allocated to customer classes using a
7 methodology which reflects primarily the coincident peak demands of the
8 different classes. Specifically, PEF uses the Twelve Coincident Peak and
9 One-Thirteenth Average Demand (12CP&1/13th AD) method to allocate
10 nuclear base rate costs. This is the same method PEF uses to allocate
11 all production demand-related costs. **Exhibit ___ (JP-4)** (which is an
12 excerpt from PEF's CCRC filing in Docket No. 060001-EI) comparison
13 between the demand allocation factors (column 10) and the energy
14 corresponding allocation factors if nuclear uprate costs were recovered
15 through the demand fuel clause (shown in column 8 under Annual
16 Average Demand). As can be seen, the demand allocation factors are
17 significantly different than the energy allocation factors, for all customer
18 classes. The differences 16% (for the General Service Demand Class) to
19 83% (for the Lighting Class). Thus, fuel clause recovery would not be
20 consistent with the cost-causation that is reflected in PEF's demand
21 allocation method. PEF's fuel clause recovery proposal would create
22 significant and inappropriate shifts in the cost responsibility of all
23 customer classes.

24 **Q DOES THE COMMISSION DIFFERENTIATE BETWEEN THE**
25 **ALLOCATION OF NUCLEAR BASE RATE COSTS AND OTHER**

1 **TYPES OF PRODUCTION DEMAND-RELATED COSTS?**

2 A No. The Commission has previously authorized the recovery of post-9/11
3 security measures through the Capacity Cost Recovery Clause (CCRC).
4 Under the CCRC, these costs are allocated in the same manner as all
5 other production base rate costs; that is, using the allocation methodology
6 previously approved in the utility's most recent base rate case.

7 In addition, the Commission recently adopted a new rule
8 authorizing the recovery of pre-construction and construction costs of new
9 nuclear plants. Under this new rule, pre-construction and construction
10 costs of new nuclear plants would be recovered through the CCRC.
11 (Docket No. 060508-EI - Proposed Adoption of New Rule Regarding
12 Nuclear Power Plant Cost Recovery.) This rule was adopted on March
13 20, 2007 and became effective April 8, 2007.

14 There is no justification to treat nuclear uprate costs any differently
15 than all other nuclear base rate costs. Because recovery through the fuel
16 clause would unnecessarily shift cost responsibility by customer class and
17 would be inconsistent with the Commission's treatment of post-9/11
18 security costs and nuclear pre-construction and construction costs, PEF's
19 proposal should be rejected.

20 **Q WHY ELSE IS IT INAPPROPRIATE TO RECOVER NUCLEAR BASE**
21 **RATE COSTS ON THE BASIS OF LOSS-ADJUSTED SALES?**

22 A As previously stated, the capacity of the proposal uprate is needed to
23 enable PEF to meet its projected peak demands and to provide
24 appropriate reserve margins. Thus, this cost should be treated no
25 differently than any other production demand-related costs.

1 Q PEF ASSERTS THAT THE NUCLEAR UPRATE COSTS WILL SAVE
2 FUEL COSTS. IS THIS A REASON FOR RECOVERING THE
3 NUCLEAR UPRATE COSTS THROUGH THE FUEL CLAUSE?

4 A No. The concept of allocating base rate costs (which are traditionally
5 allocated using a demand-based cost allocation method) on the basis of
6 fuel savings has not only been rejected by the utility that originally
7 proposed such an allocation, but it has also been rejected by the
8 Commission.

9 Specifically, Florida Power and Light Company (FPL) initially
10 allocated its investment in St. Lucie Unit 2 relative to loss-adjusted kWh
11 sales on the grounds that the unit would produce substantial fuel savings.
12 However, in its last base rate case (Docket No. 050045-EI), FPL rejected
13 that approach and allocated the St. Lucie 2 base rate costs using the
14 same methodology as all other production demand-related costs.
15 (Docket No. 050045-EI, *Testimony of Rosemary Morley* at 17-18.)

16 This Commission has also rejected the concept of allocating
17 production demand-related costs relative to fuel savings. This was the
18 premise underlying the Equivalent Peaker (EP) method of allocation.
19 Under the EP method, capital costs in excess of the cost of a combustion
20 turbine were assumed to be related to fuel cost savings and thus, were
21 allocated on energy. However, in Docket No 891345-EI, the Commission
22 stated that:

23 "The equivalent peaker method implies a refined knowledge
24 of costs which is misleading, particularly as to the allocation of
25 the plant costs to hours beyond the break-even point. (Gulf

1 Power Company, Order. No. 234573 at 48)".

2n In other words, the Commission recognized that the extra plant costs
3 associated with generating units that provide fuel cost savings is at odds
4 with the planning process because all production from a specific plant
5 (i.e., kWh sales) is not the critical factor in deciding what type of capability
6 to install.

7 **Q WHY ELSE SHOULD THE COMPANY'S COST RECOVERY**
8 **PROPOSAL BE REJECTED?**

9 A PEF concedes that the nuclear uprate costs will last for the duration of the
10 extended life of CR3, which is projected to have a 28 year remaining
11 useful life. This assumes that the company is successful in extending the
12 life of CR3 to 2036. Thus, its proposal to recover these costs over just 10
13 years would fail to match the costs of the nuclear uprate project with the
14 associated life long benefits. The mismatch would be even more severe
15 with the projected transmission upgrades. Transmission investments
16 typically have useful lives ranging from 40 to 58 years. Thus, by
17 accelerating cost recovery to only 10 years, current ratepayers would be
18 paying the entirety of the costs while the vast majority of benefits would
19 inure to future ratepayers (for an additional 18 years). The failure to
20 match the recovery of the costs with the benefits, thus, would create
21 intergenerational inequities and should be rejected.

22 **Q WHAT CONSIDERATION HAS PEF GIVEN TO THE FACT THAT CR3**
23 **IS JOINTLY OWNED WITH SEVERAL MUNICIPALITIES?**

24 A PEF witness, Mr. Waters, acknowledges at page 6 of his testimony that
25 actually the CR3 capacity dedicated to retail service is 788 MW not the

1 900 MW alleged in the petition. In other words, retail customers are
2 responsible for approximately 88% of the CR3 capacity. Nevertheless,
3 PEF is proposing to recover 100% of the CR3 uprate costs from retail
4 customers. In his deposition, Mr. Waters indicated that the issue of
5 participation by the other CR3 owners had not yet been resolved.

6 **Q IF THE COMMISSION WERE TO ALLOW PEF TO RECOVER CR3**
7 **NUCLEAR UPRATE PROJECT COSTS THROUGH A SEPARATE**
8 **COST RECOVERY MECHANISM, HOW SHOULD PEF'S PROPOSAL**
9 **BE MODIFIED?**

10 A If the Commission, nevertheless, approves PEF'S request for a separate
11 cost recovery of CR3 nuclear uprate costs, then its proposal should be
12 modified in several respects. First, the nuclear uprate costs should be
13 amortized over the remaining useful life of CR3. This would properly
14 match the cost recovery with the associated benefits, which are projected
15 to occur through 2036. Regardless of the treatment accorded to the
16 nuclear uprate and POD costs, transmission costs should be amortized
17 over a period not less than 40 years, consistent with the useful life of
18 transmission facilities. Second, only the portion of CR3 costs allocable to
19 retail customers should be collected. Finally, consistent with this
20 Commission's treatment of other nuclear-related base rate costs,
21 recovery should be through the CCRC, rather than the fuel clause. This
22 would provide a more appropriate allocation of these cost-shifting among
23 PEF's various customer classes.

24 **Q DOES THE CONCLUDE YOUR DIRECT TESTIMONY?**

25 A Yes, it does.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24

APPENDIX A

Qualifications of Jeffry Pollock

Q PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

A Jeffry Pollock. My business mailing address is, 12655 Olive Blvd, Suite 335, St. Louis, Missouri 63141.

Q WHAT IS YOUR OCCUPATION AND BY WHOM ARE YOU EMPLOYED?

A I am an energy advisor and President of J.Pollock, Incorporated.

Q PLEASE STATE YOUR EDUCATIONAL BACKGROUND AND EXPERIENCE.

A I have a Bachelor of Science Degree in Electrical Engineering and a Masters in Business Administration from Washington University. At various times prior to graduation, I worked for the McDonnell Douglas Corporation in the Corporate Planning Department; Sachs Electric Company; and L. K. Comstock & Company. While at McDonnell Douglas, I analyzed the direct operating cost of commercial aircraft.

Upon graduation, in June 1975, I joined Drazen-Brubaker & Associates, Inc. (DBA). DBA was incorporated in 1972 assuming the utility rate and economic consulting activities of Drazen Associates, Inc., active since 1937. From April 1995 to November 2004, I was a managing principal at Brubaker & Associates (BAI).

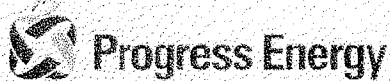
During my tenure at both DBA and BAI, I have been engaged in a wide range of consulting assignments including energy and regulatory matters in both the United States and several Canadian provinces. This

1 includes preparing financial and economic studies of investor-owned,
2 cooperative and municipal utilities on revenue requirements, cost of
3 service and rate design, and conducting site evaluation. Recent
4 engagements have included advising clients on electric restructuring
5 issues, assisting clients to procure and manage electricity in both
6 competitive and regulated markets, developing and issuing request for
7 proposals (RFPs), evaluating RFP responses and contract negotiation. I
8 was also responsible for developing and presenting seminars on
9 electricity issues.

10 I have worked on various projects in over 20 states and in 2
11 Canadian provinces, and have testified before the Federal Energy
12 Regulatory Commission and the state regulatory commissions of
13 Alabama, Arizona, Colorado, Delaware, Florida, Georgia, Illinois, Iowa,
14 Louisiana, Minnesota, Mississippi, Missouri, Montana, New Jersey, New
15 Mexico, Ohio, Pennsylvania, Texas, Virginia and Washington. I have also
16 appeared before the City of Austin Electric Utility Commission, the Board
17 of Public Utilities of Kansas City, Kansas, the Bonneville Power
18 Administration, Travis County (Texas) District Court, and the U.S. Federal
19 District Court.

20 **Q PLEASE DESCRIBE J.POLLOCK, INCORPORATED.**

21 **A** J.Pollock assists clients to procure and manage energy in both regulated
22 and competitive markets. The J.Pollock team also advises clients on
23 energy and regulatory issues. Our clients include commercial, industrial,
24 and institutional energy consumers. Currently, J.Pollock has offices in St.
25 Louis, Missouri and Austin, Texas.



February 14, 2007

Mr. John Slemkewicz,
Public Utility Supervisor
Electric and Gas Accounting Section
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Dear Mr. Slemkewicz:

Pursuant to Commission Rule 25-6.1352, enclosed please find Progress Energy Florida, Inc.'s Rate of Return report for the twelve months ended December 31, 2006.

The report includes the Company's actual rate of return computed on an end-of-period rate base, the Company's adjusted rate of return computed on an average rate base, the Company's end-of-period required rates of return, and certain financial integrity indicators for the twelve months ended December 31, 2006. The separation factors used for the jurisdictional amounts were developed from the cost of service prepared in compliance with the stipulation and settlement agreement approved in Docket No. 050078-EI, Order No. PSC-05-0945-S-EI.

This report also includes Schedule 6, the supplemental information associated with the Sebring rider as required by the FPSC in Docket No. 920949-EU, Order No. 92-1468-FOF-EI, and as modified by Docket No. 930868-EI, Order No. PSC-93-1519-FOF-EI.

If you have any questions, please feel free to contact Cindy Lee at (727) 820-5535.

Sincerely,

A handwritten signature in black ink, appearing to read 'Will Garrett', written in a cursive style.

Will Garrett
Controller, Progress Energy Florida

cc
Attachment
cc: Mr. Harold McLean, Office of the Public Counsel

07 FEB 15 01:31:10
COMMUNICATIONS SECTION

| | (1) Actual Per Books | (2) FPSC Adjustments | (3) FPSC Adjusted | (4) Pro Forma Adjustments | (5) Pro Forma Adjusted |
|---|----------------------------|----------------------------|-------------------------|---------------------------------|------------------------------|
| I. Average Rate of Return (Jurisdictional) | | | | | |
| Net Operating Income (a) (b) | \$412,261,757 | (\$41,236,497) | \$371,023,261 | \$0 | \$371,023,261 |
| Average Rate Base | \$4,567,753,119 | (\$235,950,825) | \$4,351,802,294 | \$0 | \$4,351,802,294 |
| Average Rate of Return | 8.99% | | 8.53% | | 8.53% |
| II. Year End Rate of Return (Jurisdictional) | | | | | |
| Net Operating Income | \$412,261,757 | (\$41,236,497) | \$371,023,261 | \$0 | \$371,023,261 |
| Year End Rate Base | \$4,752,105,993 | (\$389,084,469) | \$4,373,102,524 | \$0 | \$4,373,102,524 |
| Year End Rate of Return | 8.66% | | 8.48% | | 8.48% |

Footnotes

- (a) Column (1) includes AFUDC earnings.
 (b) Column (2) includes reversal of AFUDC earnings.

| | Average Capital Structure | End of Period Capital Structure |
|--------------------------------------|------------------------------|------------------------------------|
| III. Required Rates of Return | | |
| FPSC Adjusted Basis | | |
| Low Point | 8.38% | 8.42% |
| Mid Point | 8.98% | 9.04% |
| High Point | 9.58% | 9.66% |
| Pro Forma Adjusted Basis | | |
| Low Point | 8.38% | 8.42% |
| Mid Point | 8.98% | 9.04% |
| High Point | 9.58% | 9.65% |

IV. FINANCIAL INTEGRITY INDICATORS

| | | |
|--------------------------------------|---------|---|
| A. T.I.E. with AFUDC | 5.62 | (System Per Books Basis) |
| B. T.I.E. without AFUDC | 5.48 | (System Per Books Basis) |
| C. AFUDC to Net Income | 8.70% | (System Per Books Basis) |
| D. Internally Generated Funds | 116.07% | (System Per Books Basis) |
| E. STD/LTD to Total Investor Funds | | |
| LT Deb-Fixed to Total Investor Funds | 32.75% | (FPSC Adjusted Basis) |
| ST Debt to Total Investor Funds | 0.00% | (FPSC Adjusted Basis) |
| F. Return on Common Equity | 11.00% | (FPSC Adjusted Basis) |
| | 11.00% | (Pro Forma Adjusted Basis) |
| G. Current Allowed AFUDC Rate | 8.85% | Docket 050078-EI Order PSC-05-0945-S-EI |

I am aware that Section 837.06, Florida Statutes, provides:

Whoever knowingly makes a false statement in writing with the intent to mislead a public servant in the performance of his official duty shall be guilty of a misdemeanor of the second degree, punishable as provided in s. 775.082, s. 775.083, or s. 775.084.


 Will Garrett, Controller Progress Energy Florida

2-14-07
 Date

PROGRESS ENERGY FLORIDA
Average Rate of Return - Rate Base
December 2006

| | Plant in Service | Accum Depr & Amort | Net Plant in Service | Future Use & Appd Unrecov Plant | Const Work in Progress | Nuclear Fuel (Net) | Net Utility Plant | Working Capital | Total Average Rate Base |
|---------------------------------|------------------------|------------------------|------------------------|---------------------------------|------------------------|---------------------|------------------------|---------------------|-------------------------|
| Item Per Books as Recoverable: | \$8,937,593,885 | \$4,261,567,212 | \$4,676,026,672 | \$9,046,663 | \$517,484,715 | \$65,427,615 | \$5,267,965,655 | \$21,355,957 | \$5,289,341,512 |
| ARO | 10,906,932 | (22,104,148) | 33,011,080 | 0 | 0 | 0 | 33,011,080 | (378,098,125) | (345,087,045) |
| ECCR | 49,419 | 25,669 | 23,749 | 0 | 16,426 | 0 | 40,175 | (6,547,435) | (8,507,260) |
| ECRC | 3,005,530 | 149,554 | 2,855,975 | 0 | 11,130,036 | 0 | 13,988,013 | 8,258,825 | 22,244,838 |
| FUEL | 282,818,647 | 50,068,828 | 232,749,219 | 0 | 0 | 0 | 232,749,219 | 183,638,210 | 416,387,429 |
| SCRC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134,285,504 | 134,285,504 |
| Regulatory Base - System | \$8,640,813,956 | \$4,233,427,309 | \$4,407,386,647 | \$9,046,663 | \$506,338,252 | \$65,427,615 | \$4,988,199,167 | \$81,818,979 | \$5,070,018,146 |
| Regulatory Base - Retail | \$7,921,788,092 | \$3,924,782,247 | \$3,997,005,845 | \$6,851,795 | \$464,935,450 | \$63,032,671 | \$4,521,825,800 | \$65,927,319 | \$4,587,753,119 |
| SC Adjustments | | | | | | | | | |
| WIP - AFUDC | 0 | 0 | 0 | 0 | (237,359,872) | 0 | (237,359,872) | 0 | (237,359,872) |
| WAINLOSS ON SALE OF PLANT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (2,264,364) | (2,264,364) |
| CAPITAL LEASE | (4,181,826) | 0 | (4,181,826) | 0 | 0 | 0 | (4,181,826) | 4,181,826 | (0) |
| IUC DECOM UNFUNDED - WHOLESALE | 0 | (2,286,276) | 2,286,276 | 0 | 0 | 0 | 2,286,276 | 0 | 2,286,276 |
| WTO START UP COSTS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93,703 | 93,703 |
| SECTION 1341 INC TAX ADJUSTMENT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,293,432 | 1,293,432 |
| Total FPSC Adjustments | (4,181,826) | (2,286,276) | (1,895,550) | 0 | (237,359,872) | 0 | (239,255,422) | 3,304,597 | (235,950,825) |
| FPSC Adjusted | \$7,917,606,266 | \$3,922,495,971 | \$3,995,110,295 | \$6,851,795 | \$217,575,618 | \$63,032,671 | \$4,282,570,378 | \$69,231,915 | \$4,351,802,294 |

COGESS ENERGY FLORIDA
Average Rate of Return - Income Statement
December 2006

Schedule 2
Page 2 of 3

| Item Per Books (a) | Operating Revenues | Fuel & Net Interchange | O&M Other | Depr & Amort | Taxes Other than Income | Income Taxes Current | Deferred Income Tax (Net) | Investment Tax Credit (Net) | Gain/Loss on Disposition & Other | Total Operating Expenses | Net Operating Income |
|--------------------------------------|------------------------|------------------------|----------------------|----------------------|-------------------------|----------------------|---------------------------|-----------------------------|----------------------------------|--------------------------|----------------------|
| Operating Revenues | \$4,560,623,120 | \$2,530,408,291 | \$675,343,794 | \$403,781,163 | \$309,074,331 | \$237,704,395 | (\$41,675,714) | (\$6,410,000) | \$0 | \$4,108,298,231 | \$452,308,886 |
| AFUDC Recoverable: | 0 | 0 | 0 | (3,324) | 0 | 0 | (41,000) | 0 | 0 | (44,324) | 44,324 |
| ECOR | 60,879,846 | 0 | 61,159,893 | 9,884 | 15,632 | 638,204 | (757,165) | 0 | 0 | 61,067,537 | (187,692) |
| ECRC | 23,287,033 | 0 | 22,855,612 | 164,180 | 16,797 | 98,628 | 0 | 0 | 0 | 23,103,157 | 153,866 |
| FUEL | 2,545,554,024 | 2,499,587,326 | 0 | 9,606,811 | 1,748,311 | 13,582,865 | 0 | 0 | 0 | 2,523,925,314 | 21,528,710 |
| SCRC | 122,445,778 | 0 | 0 | 122,357,617 | 0 | 34,008 | 0 | 0 | 0 | 122,391,625 | 54,154 |
| Regulatory Base - System | \$1,808,456,439 | \$30,820,965 | \$591,328,280 | \$272,246,015 | \$307,293,621 | \$223,351,570 | (\$40,817,548) | (\$6,410,000) | \$0 | \$1,377,752,912 | \$430,705,527 |
| Regulatory Base - Retail | \$1,648,480,434 | \$6,329,237 | \$541,123,476 | \$249,315,284 | \$298,425,089 | \$203,746,235 | (\$37,576,812) | (\$5,692,838) | \$0 | \$1,255,463,689 | \$393,016,765 |
| C Adjustments | | | | | | | | | | | |
| CORPORATE AIRCRAFT ALLOCATION | 0 | 0 | (658,934) | 0 | 0 | 258,041 | 0 | 0 | 0 | (410,892) | 410,892 |
| RANCHISE FEE & GROSS REC TAX REVENUE | (200,515,907) | 0 | 0 | 0 | 0 | (77,348,011) | 0 | 0 | 0 | (77,348,011) | (123,168,896) |
| RANCHISE FEES & GROSS REC TAX - TOI | 0 | 0 | 0 | 0 | (186,830,948) | 78,699,038 | 0 | 0 | 0 | (122,131,910) | 122,131,910 |
| AINLOSS ON SALE OF PLANT | 0 | 0 | 0 | 0 | 0 | 358,680 | 0 | 0 | (921,995) | (566,335) | 566,335 |
| 1ST PROMOTIONAL ADVERTISING | 0 | 0 | (2,450,984) | 0 | 0 | 949,328 | 0 | 0 | 0 | (1,511,665) | 1,511,665 |
| INTEREST ON TAX DEFICIENCY | 0 | 0 | (329,843) | 0 | 0 | 127,237 | 0 | 0 | 0 | (202,606) | 202,606 |
| ISSELLANEOUS INTEREST EXPENSE | 0 | 0 | 75,155 | 0 | 0 | (28,991) | 0 | 0 | 0 | 46,164 | (46,164) |
| EMOVE ASSOC/ORGANIZATION DUES | 0 | 0 | (70,367) | 0 | 0 | 27,144 | 0 | 0 | 0 | (43,223) | 43,223 |
| EMOVE DEFERRED TAX AFUDC DEBT | 0 | 0 | 0 | 0 | 0 | 0 | 7,316 | 0 | 0 | 7,316 | (7,316) |
| EMOVE ECONOMIC DEVELOPMENT | 0 | 0 | (25,827) | 0 | 0 | 9,963 | 0 | 0 | 0 | (15,864) | 15,864 |
| EVENUE SHARING | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TO START UP COSTS | 0 | 0 | 1,001 | 0 | 0 | (386) | 0 | 0 | 0 | 615 | (615) |
| EBRING RIDER REVENUE | (3,769,694) | 0 | 0 | 0 | 0 | (1,454,237) | 0 | 0 | 0 | (1,454,237) | (2,315,657) |
| EBRING - TRANSITION DEPRECIATION | 0 | 0 | 0 | 0 | 0 | 1,300,745 | 0 | 0 | 0 | (2,071,244) | 2,071,244 |
| FORM COSTS - 2004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INTEREST SYNCHRONIZATION - FPSC | 0 | 0 | 0 | 0 | 0 | 23,410,567 | 0 | 0 | 0 | 23,410,567 | (23,410,567) |
| Total FPSC Adjustments | (204,285,801) | 0 | (3,479,810) | (3,371,989) | (196,830,948) | 24,305,129 | 7,316 | 0 | (921,995) | (182,292,297) | (21,992,504) |
| FPSC Adjusted | \$1,444,194,633 | \$6,329,237 | \$537,643,666 | \$245,943,295 | \$99,594,141 | \$228,045,364 | (\$37,569,496) | (\$5,892,838) | (\$921,995) | \$1,073,171,373 | \$371,023,263 |

(a) The addition of earnings from AFUDC charges would increase the system NOI by \$21,891,589 and jurisdictional NOI by \$19,244,982

| Item Per Books | Operating Revenues | Fuel & Net Interchange | O&M Other | Depr & Amort | Taxes Other than Income | Income Taxes Current | Deferred Income Tax (Net) | Investment Tax Credit (Net) | Gain/Loss on Disposition & Other | Total Operating Expenses | Net Operating Income |
|--|--------------------|------------------------|--------------|--------------|-------------------------|----------------------|---------------------------|-----------------------------|----------------------------------|--------------------------|----------------------|
| Operating Revenues | \$135,478,356 | \$2,872,723 | \$52,369,390 | \$25,106,767 | \$19,635,082 | \$17,071,616 | (\$3,449,194) | (\$385,000) | \$0 | \$112,584,285 | \$22,894,070 |
| Additional Per Books | \$130,846,993 | \$570,029 | \$48,129,253 | \$22,395,536 | \$19,210,859 | \$16,611,562 | (\$3,170,682) | (\$987,143) | \$0 | \$104,853,515 | \$25,987,478 |
| Excluding AFUDC Earnings and Recoverable | | | | | | | | | | | |
| Additional Per Books | | | | | | | | | | | |
| Excluding AFUDC Earnings and Recoverable | | | | | | | | | | | |

OGRESS ENERGY FLORIDA
Rate of Return - Adjustments
December 2006

Schedule 2
Page 3 of 3

| Notes | Rate Base Adjustments | P=Pro Forma F=FPSC | System | Retail |
|-------|----------------------------------|-----------------------|------------------------|------------------------|
| (1) | CWIP - AFUDC | F | (\$269,944,276) | (\$237,359,872) |
| (1) | GAIN/LOSS ON SALE OF PLANT | F | (2,152,235) | (2,264,364) |
| (2) | CAPITAL LEASE-EPS | F | (4,181,826) | (4,181,826) |
| (2) | CAPITAL LEASE-WORKING CAPITAL | F | 4,181,826 | 4,181,826 |
| (1) | NUC, DECOM, UNFUNDED - WHOLESALF | F | 2,286,276 | 2,286,276 |
| (2) | RTO START UP COSTS | F | 100,452 | 93,703 |
| (1) | SECTION 1341 INC TAX ADJUSTMENT | F | 1,407,470 | 1,293,432 |
| | Total | | (\$268,302,313) | (\$235,950,825) |

| Notes | Income Statement Adjustments (to NOI) | P=Pro Forma F=FPSC | System | | Retail | |
|-------|--|-----------------------|----------------------|---------------------|----------------------|---------------------|
| | | | Amount | Income Tax Effect | Amount | Income Tax Effect |
| (2) | CORPORATE AIRCRAFT ALLOCATION | F | (\$743,438) | \$286,781 | (\$668,934) | \$258,041 |
| (1) | FRANCHISE FEE, & GROSS REC TAX REVENUE | F | 200,515,907 | (77,349,011) | 200,515,907 | (77,349,011) |
| (1) | FRANCHISE FEES & GROSS REC TAX - TOI | F | (198,830,948) | 76,699,038 | (198,830,948) | 76,699,038 |
| (1) | GAIN/LOSS ON SALE OF PLANT | F | (1,043,318) | 402,460 | (921,995) | 355,660 |
| (1) | INST./PROMOTIONAL ADVERTISING | F | (2,700,663) | 1,041,781 | (2,460,994) | 949,328 |
| (1) | INTEREST ON TAX DEFICIENCY | F | (361,966) | 139,628 | (329,843) | 127,237 |
| (1) | MISCELLANEOUS INTEREST EXPENSE | F | 572,046 | (220,667) | 75,155 | (28,691) |
| (1) | REMOVE ASSOCIATION DUES | F | (77,220) | 29,788 | (70,367) | 27,144 |
| (1) | REMOVE DEFERRED TAX AFUDC DEBT | F | 0 | 8,000 | 0 | 7,316 |
| (1) | REMOVE ECONOMIC DEVELOPMENT | F | (28,342) | 10,933 | (25,827) | 9,863 |
| (2) | REVENUE SHARING | F | 0 | 0 | 0 | 0 |
| (2) | RTO START UP COSTS | F | 1,404 | (542) | 1,001 | (386) |
| (1) | SEBRING - RIDER REVENUE | F | 3,769,894 | (1,454,237) | 3,769,894 | (1,454,237) |
| (1) | SEBRING - TRANSITION DEPRECIATION | F | (3,371,989) | 1,300,745 | (3,371,989) | 1,300,745 |
| | STORM COSTS 2004 | F | 0 | 0 | 0 | 0 |
| (1) | INTEREST SYNCHRONIZATION - FPSC | F | 0 | 25,830,915 | 0 | 23,410,597 |
| | Total | | (\$2,298,633) | \$26,725,613 | (\$2,318,940) | \$24,312,445 |

as: (1) Docket No. 9108890-EI, Order No. PSC 92-0208-FOF-EI
(2) N/A

OGRESS ENERGY FLORIDA
d of Period Rate of Return - Rate Base
ember 2006

| | Plant In Service | Accum. Depr & Amort | Net Plant In Service | Future Use & Appd Unrecov Plant | Const. Work In Progress | Nuclear Fuel (Net) | Net Utility Plant | Working Capital | Total Period End Rate Base |
|---------------------------------|------------------------|------------------------|------------------------|---------------------------------|-------------------------|---------------------|------------------------|----------------------|----------------------------|
| Item Per Books | \$9,225,480,886 | \$4,359,981,105 | \$4,885,409,791 | \$7,422,007 | \$641,488,881 | \$58,409,362 | \$5,592,817,041 | \$21,355,957 | \$8,614,172,598 |
| Recoverable: | | | | | | | | | |
| ARO | 10,906,932 | (2,088,037) | 32,994,969 | 0 | 0 | 0 | 32,994,969 | (378,088,125) | (345,103,156) |
| ECCR | 49,419 | 27,001 | 22,418 | 0 | 172,155 | 0 | 134,573 | (8,547,435) | (6,412,863) |
| ECRC | 3,688,169 | 143,598 | 3,554,571 | 0 | 30,248,528 | 0 | 33,803,098 | 8,258,825 | 42,061,923 |
| FUEL | 286,837,855 | 57,616,067 | 229,221,788 | 0 | 0 | 0 | 229,221,788 | 183,638,210 | 412,859,998 |
| SCRC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134,285,504 | 134,285,504 |
| Regulatory Base - System | \$8,923,988,523 | \$4,304,282,476 | \$4,619,706,046 | \$7,422,007 | \$611,128,198 | \$58,409,362 | \$5,296,662,643 | \$81,818,979 | \$9,378,481,592 |
| Regulatory Base - Retail | \$8,115,847,278 | \$4,041,610,316 | \$4,074,236,962 | \$5,621,313 | \$560,042,428 | \$56,278,971 | \$4,696,179,674 | \$65,927,319 | \$4,762,106,993 |
| IC Adjustments | | | | | | | | | |
| WIP - AFUDC | 0 | 0 | 0 | 0 | (360,413,515) | 0 | (360,413,515) | 0 | (360,413,515) |
| AIN/LOSS ON SALE OF PLANT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (2,264,364) | (2,264,364) |
| CAPITAL LEASE | (54,363,739) | 0 | (54,363,739) | 0 | 0 | 0 | (54,363,739) | 54,363,739 | 0 |
| IUC DECOM, UNFUNDED - WHOLESAL | 0 | (2,286,276) | 2,286,276 | 0 | 0 | 0 | 2,286,276 | 0 | 2,286,276 |
| TO START UP COSTS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93,703 | 93,703 |
| SECTION 1341 INC TAX ADJUSTMENT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,293,432 | 1,293,432 |
| Total FPSC Adjustments | (54,363,739) | (2,286,276) | (52,077,463) | 0 | (350,413,515) | 0 | (442,480,978) | 53,486,509 | (389,004,469) |
| FPSC Adjusted | \$8,061,483,539 | \$4,039,324,040 | \$4,022,159,499 | \$5,621,313 | \$169,628,913 | \$56,278,971 | \$4,253,688,696 | \$119,413,828 | \$4,373,102,524 |

| Account | Operating Revenues | Fuel & Net Interchange | O&M Other | Depr & Amort | Taxes Other than Income | Income Taxes Current | Deferred Income Tax (Net) | Investment Tax Credit (Net) | Gain/Loss on Disposition & Other | Total Operating Expenses | Net Operating Income |
|----------------------------------|--------------------|------------------------|---------------|---------------|-------------------------|----------------------|---------------------------|-----------------------------|----------------------------------|--------------------------|----------------------|
| Operating Revenues | \$4,560,623,120 | \$2,520,408,291 | \$675,343,794 | \$402,781,153 | \$309,074,331 | \$237,704,366 | (\$41,675,744) | (\$6,410,000) | \$0 | \$4,106,226,231 | \$452,396,889 |
| Fuel & Net Interchange | 0 | 0 | 0 | (3,324) | 0 | 0 | (41,000) | 0 | 0 | (44,324) | 44,324 |
| O&M Other | 60,879,845 | 0 | 61,159,883 | 9,884 | 15,532 | 639,294 | (757,165) | 0 | 0 | 61,067,537 | (187,692) |
| Depr & Amort | 23,287,033 | 0 | 22,856,612 | 164,160 | 18,767 | 96,628 | 0 | 0 | 0 | 23,133,167 | 153,866 |
| Taxes Other than Income | 2,545,554,024 | 2,489,587,326 | 0 | 8,006,811 | 1,748,311 | 13,582,865 | 0 | 0 | 0 | 2,523,926,314 | 21,628,710 |
| Income Taxes Current | 122,445,779 | 0 | 0 | 122,357,817 | 0 | 34,008 | 0 | 0 | 0 | 122,391,825 | 54,154 |
| Deferred Income Tax (Net) | \$1,508,456,439 | \$30,820,965 | \$591,328,290 | \$272,246,015 | \$307,293,621 | \$223,551,570 | (\$40,877,549) | (\$6,410,000) | \$0 | \$1,377,752,912 | \$430,703,527 |
| Investment Tax Credit (Net) | \$1,548,480,434 | \$6,329,237 | \$541,123,476 | \$249,315,284 | \$298,435,089 | \$203,740,235 | (\$37,576,812) | (\$5,892,838) | \$0 | \$1,255,463,669 | \$393,016,765 |
| Gain/Loss on Disposition & Other | 0 | 0 | 0 | 0 | 0 | 258,041 | 0 | 0 | 0 | (410,892) | 410,892 |
| Total Operating Expenses | (200,515,907) | 0 | (668,934) | 0 | 0 | (77,349,011) | 0 | 0 | 0 | (77,349,011) | (23,166,896) |
| Net Operating Income | 0 | 0 | 0 | 0 | (198,830,948) | 76,699,038 | 0 | 0 | 0 | (122,131,910) | 122,131,910 |
| Net Operating Income | 0 | 0 | 0 | 0 | 0 | 355,660 | 0 | 0 | (921,995) | (566,335) | 566,335 |
| Net Operating Income | 0 | 0 | (2,460,994) | 0 | 0 | 949,328 | 0 | 0 | 0 | (1,511,666) | 1,511,666 |
| Net Operating Income | 0 | 0 | (329,843) | 0 | 0 | 127,237 | 0 | 0 | 0 | (202,606) | 202,606 |
| Net Operating Income | 0 | 0 | 75,155 | 0 | 0 | 27,144 | 0 | 0 | 0 | 46,164 | (46,164) |
| Net Operating Income | 0 | 0 | (170,367) | 0 | 0 | 0 | 7,316 | 0 | 0 | (43,223) | 43,223 |
| Net Operating Income | 0 | 0 | (25,827) | 0 | 0 | 9,663 | 0 | 0 | 0 | (15,864) | 15,864 |
| Net Operating Income | 0 | 0 | 1,001 | 0 | 0 | (306) | 0 | 0 | 0 | 615 | (615) |
| Net Operating Income | (3,769,894) | 0 | 0 | 0 | 0 | (1,454,237) | 0 | 0 | 0 | (1,454,237) | (2,315,657) |
| Net Operating Income | 0 | 0 | 0 | (3,371,989) | 0 | 1,300,745 | 0 | 0 | 0 | (2,071,244) | 2,071,244 |
| Net Operating Income | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Net Operating Income | 0 | 0 | 0 | 0 | 0 | 23,410,597 | 0 | 0 | 0 | 23,410,597 | (23,410,597) |
| Net Operating Income | (204,285,801) | 0 | (3,479,810) | (3,371,989) | (198,830,948) | 24,305,129 | 7,316 | 0 | (921,995) | (182,292,297) | (21,993,504) |
| Net Operating Income | \$1,444,194,633 | \$6,329,237 | \$537,643,666 | \$245,943,295 | \$99,594,141 | \$228,045,364 | (\$37,569,466) | (\$5,892,838) | (\$821,995) | \$1,073,171,373 | \$371,023,267 |

notes:
 (a) The addition of earnings from AFUDC charges would increase the system NOI by \$21,891,699 and Jurisdictional NOI by \$19,244,992

ROGRESS ENERGY FLORIDA
 End of Period Rate of Return - Adjustments
 December 2006

Schedule 3
 Page 3 of 3

| Notes | Rate Base Adjustments | P=Pro Forma F=FPSC | System | Retail |
|-------|---------------------------------|-----------------------|------------------------|------------------------|
| (1) | CWIP - AFUDC | F | (\$448,161,874) | (\$390,413,515) |
| (1) | GAIN/LOSS ON SALE OF PLANT | F | (2,152,235) | (2,264,364) |
| (2) | CAPITAL LEASE | F | (54,363,739) | (54,363,739) |
| (2) | CAPITAL LEASE | F | 54,363,739 | 54,363,739 |
| (1) | NUC DECOM UNFUNDED - WHOLESALE | F | 2,286,276 | 2,286,276 |
| (2) | RTO START UP COSTS | F | 100,452 | 93,703 |
| (1) | SECTION 1341 INC TAX ADJUSTMENT | F | 1,407,470 | 1,293,432 |
| | Total | | (\$446,519,912) | (\$389,904,469) |

| Notes | Income Statement Adjustments (to NOI) | P=Pro Forma F=FPSC | System | | Retail | |
|-------|---------------------------------------|-----------------------|----------------------|---------------------|----------------------|---------------------|
| | | | Amount | Income Tax Effect | Amount | Income Tax Effect |
| (2) | CORPORATE AIRCRAFT ALLOCATION | F | (\$743,438) | \$286,781 | (\$668,934) | \$238,041 |
| (1) | FRANCHISE FEE & GROSS REC TAX REVENUE | F | 200,515,907 | (77,349,011) | 200,515,907 | (77,349,011) |
| (1) | FRANCHISE FEES & GROSS REC TAX - TOI | F | (198,830,948) | 76,899,038 | (198,830,948) | 76,899,038 |
| (1) | GAIN/LOSS ON SALE OF PLANT | F | (1,043,318) | 402,460 | (921,995) | 355,660 |
| (1) | INST/PROMOTIONAL ADVERTISING | F | (2,700,663) | 1,041,781 | (2,460,984) | 949,328 |
| (1) | INTEREST ON TAX DEFICIENCY | F | (361,966) | 139,628 | (329,843) | 127,237 |
| (1) | MISCELLANEOUS INTEREST EXPENSE | F | 572,046 | (220,667) | 75,155 | (28,991) |
| (1) | REMOVE ASSOC/ORGANIZATION DUES | F | (77,220) | 29,788 | (70,367) | 27,144 |
| (1) | REMOVE DEFERRED TAX AFUDC DEBT | F | 0 | 8,000 | 0 | 7,316 |
| (1) | REMOVE ECONOMIC DEVELOPMENT | F | (28,342) | 10,933 | (25,827) | 9,963 |
| (2) | REVENUE SHARING | F | 0 | 0 | 0 | 0 |
| (2) | RTO START UP COSTS | F | 1,404 | (542) | 1,001 | (386) |
| (1) | SEBRING - RIUER REVENUE | F | 3,769,894 | (1,454,237) | 3,769,894 | (1,454,237) |
| (1) | SEBRING - TRANSITION DEPRECIATION | F | (3,371,989) | 1,300,745 | (3,371,989) | 1,300,745 |
| | STORM COSTS 2004 | F | 0 | 0 | 0 | 0 |
| (1) | INTEREST SYNCHRONIZATION - FPSC | F | 0 | 25,830,915 | 0 | 23,410,597 |
| | Total | | (\$2,298,633) | \$26,725,613 | (\$2,318,940) | \$24,312,445 |

95 (1) Docket No. 070052-EI Order No. PSC 02-0208 FOF-EI
 (2) N/A

PROGRESS ENERGY FLORIDA
Average Rate of Return - Capital Structure
Pro Forma Adjusted Basis
December 2006

Schedule 4
Page 1 of 4

| | System Per Books | Retail Per Books | Pro Rata Adjustments | Specific Adjustments | FPSC Adjusted Retail | Ratio | Low Point | | Mid Point | | High Point | |
|------------------------|------------------------|------------------------|--------------------------|----------------------|------------------------|----------------|-----------|---------------|-----------|---------------|--------------|---------------|
| | | | | | | | Cost Rate | Weighted Cost | Cost Rate | Weighted Cost | Cost Rate | Weighted Cost |
| Common Equity | \$2,633,063,251 | \$2,138,567,182 | (\$553,271,829) | \$1,040,820,380 | \$2,626,115,733 | 60.35% *** | 10.75% | 6.49% | 11.75% | 12.75% | 7.69% | |
| Preferred Stock | 33,496,700 | 27,205,933 | (7,242,830) | 0 | 19,963,104 | 0.48% | 4.51% | 0.02% | 4.51% | 4.51% | 0.02% | |
| Long Term Debt - Fixed | 2,532,888,290 | 2,057,205,337 | (547,674,194) | (220,846,764) | 1,288,684,378 | 29.61% | 5.74% | 1.70% | 5.74% | 5.74% | 1.70% | |
| Short Term Debt * | (74,286,975) | (60,335,690) | | 60,335,690 | 1 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | |
| Customer Deposits | | | | | | | | | | | | |
| Active | 150,338,406 | 122,104,466 | (28,506,947) | 0 | 89,597,519 | 2.06% | 6.21% | 0.13% | 6.21% | 6.21% | 0.13% | |
| Inactive | 686,566 | 557,629 | (148,453) | 0 | 409,176 | 0.01% | | | | | | |
| Investment Tax Credit | | | | | | | | | | | | |
| Post 70 Total | 26,895,594 | 21,844,524 | (5,815,502) | | | | | | | | | |
| Equity ** | | | | | 10,779,316 | 0.25% | 10.70% | 0.03% | 11.69% | 12.68% | 0.03% | |
| Debt ** | | | | | 5,249,706 | 0.12% | 5.74% | 0.01% | 5.74% | 5.74% | 0.01% | |
| Deferred Income Taxes | 406,707,668 | 330,326,919 | (87,940,434) | 107,478,530 | 349,865,015 | 8.04% | | | | | | |
| US 109 DIT - Net | (61,220,561) | (49,723,182) | 13,237,426 | (2,375,898) | (38,861,654) | -0.89% | | | | | | |
| Total | \$5,648,568,933 | \$4,587,753,119 | (\$1,221,362,763) | \$985,411,938 | \$4,351,802,294 | 100.00% | | 8.38% | | 8.98% | 9.58% | |

Daily Weighted Average
Cost Rates Calculated Per IRS Ruling
Equity Ratio Including Debt Associated With Qualifying Facilities Contracts (Based on FPSC Capital Structure) 53.97%
Docket No. 050078-EI, Order No. 05-0945-S-EI, Paragraph No. 13

REGRESS ENERGY FLORIDA
End of Period - Capital Structure
Pro Forma Adjusted Basis
December 2006

Schedule 4
Page 2 of 4

| | System Per Books | Retail Per Books | Pro Rate Adjustments | Specific Adjustments | FPSC Adjusted Retail | Ratio | Low Point | | | Mid Point | | | High Point | | |
|------------------------|------------------------|------------------------|--------------------------|----------------------|------------------------|----------------|-----------|---------------|-----------|---------------|-----------|---------------|------------|---------------|--|
| | | | | | | | Cost Rate | Weighted Cost | Cost Rate | Weighted Cost | Cost Rate | Weighted Cost | Cost Rate | Weighted Cost | |
| Common Equity | \$2,892,292,656 | \$2,212,890,214 | (\$603,970,786) | \$1,040,820,380 | \$2,649,739,806 | 60.59% *** | 10.75% | 6.51% | 11.75% | 7.12% | 12.75% | 7.73% | | | |
| Preferred Stock | 33,496,700 | 27,634,762 | (7,412,851) | 0 | 20,221,911 | 0.46% | 4.51% | 0.02% | 4.51% | 0.02% | 4.51% | 0.02% | | | |
| Long Term Debt - Fixed | 2,509,766,089 | 2,070,567,425 | (555,418,674) | (214,015,134) | 1,301,135,618 | 29.75% | 5.79% | 1.72% | 5.79% | 1.72% | 5.79% | 1.72% | | | |
| Short Term Debt | 46,890,541 | 38,684,675 | (38,684,675) | (0) | (0) | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | | | |
| Customer Deposits | | | | | | | | | | | | | | | |
| Active | 159,270,769 | 131,398,311 | (35,246,770) | 0 | 96,151,542 | 2.20% | 6.21% | 0.14% | 6.21% | 0.14% | 6.21% | 0.14% | | | |
| Inactive | 779,017 | 642,660 | (172,387) | 0 | 470,291 | 0.01% | | | | | | | | | |
| Investment Tax Credit | | | | | | | | | | | | | | | |
| Post-'70 Total | 23,368,508 | 19,293,858 | (5,175,456) | | | | | | | | | | | | |
| Equity ** | | | | | 9,492,488 | 0.22% | 10.70% | 0.02% | 11.69% | 0.03% | 12.68% | 0.03% | | | |
| Debt ** | | | | | 4,625,914 | 0.11% | 5.79% | 0.01% | 5.79% | 0.01% | 5.79% | 0.01% | | | |
| Deferred Income Taxes | 380,395,307 | 313,825,954 | (84,181,836) | 102,392,661 | 332,036,779 | 7.59% | | | | | | | | | |
| S-109 DIT - Net | (54,037,464) | (52,830,895) | 14,171,555 | (2,112,487) | (40,771,827) | -0.93% | | | | | | | | | |
| Total | \$5,772,254,101 | \$4,762,106,993 | (\$1,277,405,214) | \$888,400,745 | \$4,373,102,524 | 100.00% | | 8.42% | | 9.04% | | 9.65% | | | |

Equity Ratio Including Debt Associated With Qualifying Facilities Contracts (Based on FPSC Capital Structure)
54.05%

PROGRESS ENERGY FLORIDA
Financial Integrity Indicators
December 2006

A: TIMES INTEREST EARNED WITH AFUDC

| | |
|---|----------------------|
| Earnings Before Interest | \$676,236,960 |
| AFUDC - Debt | \$5,056,905 |
| Income Taxes | \$193,440,642 |
| Total | \$874,734,506 |
| Interest Charges (before deducting AFUDC-Debt) | \$155,524,490 |
| T.I.E. with AFUDC | 5.62 |

B: TIMES INTEREST EARNED WITHOUT AFUDC

| | |
|---|----------------------|
| Earnings Before Interest | \$576,236,960 |
| AFUDC - Equity (\$16,834,794) | |
| Income Taxes | \$193,440,642 |
| Total | \$852,842,808 |
| Interest Charges (before deducting AFUDC-Debt) | \$155,524,490 |
| T.I.E. without AFUDC | 5.48 |

**C: PERCENT AFUDC TO NET INCOME AVAILABLE
FOR COMMON SHAREHOLDERS**

| | |
|---|---------------------|
| AFUDC - Debt | \$5,056,905 |
| Less: DIT | (\$8,000) |
| Subtotal | \$5,064,905 |
| AFUDC - Other | \$15,834,794 |
| Total AFUDC | \$21,899,699 |
| Net Income Available For Common Shareholders | \$326,724,531 |
| Percent AFUDC to Available Net Income | 6.70% |

D: PERCENT INTERNALLY GENERATED FUNDS

| | |
|---|----------------------|
| Net Income | \$326,236,361 |
| Common Dividends | (\$234,650,393) |
| Preferred Dividends | (\$1,511,860) |
| AFUDC (Debt & EGS Other) | (\$21,891,699) |
| Depreciation & Amortization | \$409,873,656 |
| Deferred Income Taxes | (\$42,363,927) |
| Investment Tax Credits | (\$6,410,000) |
| Deferred Fuel (Net) | \$403,584,736 |
| Nuclear Fuel Amortization | \$23,466,052 |
| Nuclear Refueling | \$13,506,021 |
| Other - Incl Nuclear Decommissioning | (\$14,968,992) |
| Funds Provided from Operations | \$856,871,988 |
| Other Funds Provided: Incl Change in Working Capital | (\$4,357,207) |
| Total Funds Provided | \$852,514,781 |
| Construction Expenditures (excluding AFUDC) | \$734,481,800 |
| Percentage Internally Generated Funds | 116.07% |

E: SHORT TERM DEBT / LONG TERM DEBT AS

PERCENT OF TOTAL INVESTOR CAPITAL - FPSC

| | |
|-----------------------------|------------------------|
| Common Equity | \$2,626,115,733 |
| Preferred Stock | \$19,963,104 |
| Long Term Debt - Fixed Rate | \$1,288,684,378 |
| Short Term Debt | \$7 |
| Total | \$3,934,763,215 |

| | |
|-------------------------------|--------|
| % Long Term Debt - Fixed Rate | 32.75% |
| % Short Term Debt | 0.00% |

**FPSC ADJUSTED AVERAGE
JURISDICTIONAL AND PRO FORMA**

| F: RETURN ON COMMON EQUITY | Pro Forma | FPSC |
|--|---------------|---------------|
| Average Earned Rate of Return | 8.53% | 8.53% |
| Less Reconciled Average Retail Weighted Cost Rates for: | | |
| Preferred Stock | 0.02% | 0.02% |
| Long Term Debt - Fixed Rate | 1.70% | 1.70% |
| Short Term Debt | 0.00% | 0.00% |
| Customer Deposits | 0.13% | 0.13% |
| Investment Tax Credit (at Midpoint) Equity | 0.03% | 0.03% |
| Debt | 0.01% | 0.01% |
| Subtotal | 1.89% | 1.89% |
| Total | 6.64% | 6.64% |
| Divided by Common Equity Ratio | 60.35% | 60.35% |
| Jurisdictional Return on Common Equity | 11.00% | 11.00% |

PROGRESS ENERGY FLORIDA
End of Period - Capital Structure
FPSC Adjusted Basis
December 2006

Schedule 4
Page 4 of 4

| | System Per Books | Retail Per Books | Pro Rate Adjustments | Specific Adjustments | FPSC Adjusted Retail | Ratio | Low Point | | | Mid Point | | | High Point | | |
|------------------------|------------------------|------------------------|--------------------------|----------------------|------------------------|----------------|-----------|---------------|-----------|---------------|-----------|---------------|------------|---------------|--------------|
| | | | | | | | Cost Rate | Weighted Cost | Cost Rate | Weighted Cost | Cost Rate | Weighted Cost | Cost Rate | Weighted Cost | |
| Common Equity | \$2,682,202,656 | \$2,212,890,214 | (\$503,970,786) | \$1,040,820,380 | \$2,649,739,608 | 60.59% *** | 10.75% | 6.51% | 11.75% | 7.12% | 12.75% | 7.73% | | | |
| Preferred Stock | 33,486,700 | 27,634,762 | (7,412,851) | 0 | 20,221,911 | 0.46% | 4.51% | 0.02% | 4.51% | 0.02% | 4.51% | 0.02% | | | |
| Long Term Debt - Fixed | 2,509,780,089 | 2,070,567,425 | (555,416,674) | (214,015,134) | 1,301,135,618 | 29.75% | 5.79% | 1.72% | 5.79% | 1.72% | 5.79% | 1.72% | | | |
| Short Term Debt * | 46,890,541 | 38,684,675 | | (38,684,675) | (0) | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | | | |
| Customer Deposits | | | | | | | | | | | | | | | |
| Active | 159,270,769 | 131,388,311 | (35,246,770) | 0 | 96,151,542 | 2.20% | 6.21% | 6.21% | 6.21% | 0.14% | 6.21% | 0.14% | | | |
| Inactive | 779,017 | 642,688 | (172,397) | 0 | 470,291 | 0.01% | | | | | | | | | |
| Investment Tax Credit | | | | | | | | | | | | | | | |
| Post '70 Total | 23,386,508 | 19,293,856 | (5,175,456) | | | | | | | | | | | | |
| Equity ** | | | | | | | | | | | | | | | |
| Debt ** | | | | | | | | | | | | | | | |
| Deferred Income Taxes | 380,395,307 | 313,825,954 | (84,181,836) | 102,392,661 | 332,036,779 | 7.59% | 10.70% | 0.02% | 11.69% | 0.03% | 12.68% | 0.03% | | | |
| AS 109 DIT - Net | (64,037,484) | (52,830,895) | 14,171,555 | (2,112,487) | (40,771,827) | -0.93% | 5.79% | 0.01% | 5.79% | 0.01% | 5.79% | 0.01% | | | |
| Total | \$5,772,254,101 | \$4,762,106,993 | (\$1,277,405,214) | \$888,400,745 | \$4,373,102,524 | 100.00% | | | | 8.42% | | 9.04% | | | 9.65% |

Daily Weighted Average

Cost Rates Calculated Per IRS Ruling

*Equity Ratio Including Debt Associated With Qualifying Facilities Contracts (Based on FPSC Capital Structure)

Docket No. 050078-EI Order No. 05-0945-S-EI Paragraph No. 13

54.05%

PROGRESS ENERGY FLORIDA
Financial Integrity Indicators
December 2006

Schedule 5

A: TIMES INTEREST EARNED WITH AFUDC

| | |
|---|----------------------|
| Earnings Before Interest | \$576,236,960 |
| AFUDC - Debt | \$5,056,905 |
| Income Taxes | \$193,440,642 |
| Total | \$374,734,506 |
| Interest Charges (before deducting AFUDC-Debt) | \$155,524,490 |
| T.I.E. with AFUDC | 5.52 |

B: TIMES INTEREST EARNED WITHOUT AFUDC

| | |
|---|----------------------|
| Earnings Before Interest | \$676,236,960 |
| AFUDC - Equity | (\$16,834,794) |
| Income Taxes | \$193,440,642 |
| Total | \$852,842,808 |
| Interest Charges (before deducting AFUDC-Debt) | \$155,524,490 |
| T.I.E. without AFUDC | 5.48 |

**C: PERCENT AFUDC TO NET INCOME AVAILABLE
FOR COMMON SHAREHOLDERS**

| | |
|---|---------------------|
| AFUDC - Debt | \$5,056,905 |
| Less: DIT | (\$5,000) |
| Subtotal | \$5,064,905 |
| AFUDC - Other | \$16,834,794 |
| Total AFUDC | \$21,899,699 |
| Net Income Available For Common Shareholders | \$326,724,531 |
| Percent AFUDC to Available Net Income | 6.70% |

D: PERCENT INTERNALLY GENERATED FUNDS

| | |
|--|----------------------|
| Net Income | \$328,236,391 |
| Common Dividends | (\$234,650,392) |
| Preferred Dividends | (\$1,511,860) |
| AFUDC (Debt & ECS Other) | (\$21,891,699) |
| Depreciation & Amortization | \$409,873,656 |
| Deferred Income Taxes | (\$42,363,927) |
| Investment Tax Credits | (\$6,410,000) |
| Deferred Fuel (Net) | \$403,584,738 |
| Nuclear Fuel Amortization | \$23,466,052 |
| Nuclear Refueling | \$13,506,021 |
| Other - Incl Nuclear Decommissioning | (\$14,968,992) |
| Funds Provided from Operations | \$856,871,988 |
| Other Funds Provided - Incl Change in Working Capital | (\$4,357,207) |
| Total Funds Provided | \$852,514,781 |
| Construction Expenditures (excluding AFUDC) | \$734,481,800 |
| Percentage Internally Generated Funds | 116.07% |

E: SHORT TERM DEBT / LONG TERM DEBT AS

| | |
|---|------------------------|
| PERCENT OF TOTAL INVESTOR CAPITAL - FPSC | |
| Common Equity | \$2,826,115,733 |
| Preferred Stock | \$19,963,104 |
| Long Term Debt - Fixed Rate | \$1,268,684,378 |
| Short Term Debt | \$1 |
| Total | \$3,934,763,215 |
| % Long Term Debt - Fixed Rate | 32.75% |
| % Short Term Debt | 0.00% |

**FPSC ADJUSTED AVERAGE
JURISDICTIONAL AND PRO FORMA**

| | | |
|--|------------------|---------------|
| F: RETURN ON COMMON EQUITY | Pro Forma | FPSC |
| Average Earned Rate of Return | 8.53% | 8.53% |
| Less Reconciled Average Retail Weighted Cost Rates for: | | |
| Preferred Stock | 0.02% | 0.02% |
| Long Term Debt - Fixed Rate | 1.70% | 1.70% |
| Short Term Debt | 0.00% | 0.00% |
| Customer Deposits | 0.13% | 0.13% |
| Investment Tax Credit (at Midpoint) Equity | 0.03% | 0.03% |
| Debt | 0.01% | 0.01% |
| Subtotal | 1.89% | 1.89% |
| Total | 6.64% | 6.64% |
| Divided by Common Equity Ratio | 60.35% | 60.35% |
| Jurisdictional Return on Common Equity | 11.00% | 11.00% |

PROGRESS ENERGY FLORIDA
AFUDC Rate Computation Report
Calculation of Jurisdictional Capital Structure
December 2006

Schedule A & B
(combined)

| | System Per Books | AFUDC Adjustments to System | AFUDC Adjusted System | Retail Per Books | Pro Rate Adjustments | Specific Adjustments | Adjusted Retail | Ratio | Cost Rate | Weighted Cost |
|------------------------|------------------------|-----------------------------|------------------------|------------------------|--------------------------|----------------------|------------------------|----------------|-----------|---------------|
| Common Equity | (1) \$2,633,063,251 | \$0 | \$2,633,063,251 | \$2,089,913,458 | (\$513,290,428) | \$1,040,820,380 | \$2,617,443,410 | 60.15% | 11.75% | 7.07% |
| Preferred Stock | (2) 33,496,700 | 0 | 33,496,700 | 26,586,982 | (6,529,850) | 0 | 20,057,121 | 0.46% | 4.51% | 0.02% |
| Long Term Debt - Fixed | (2) 2,532,868,290 | 0 | 2,532,868,290 | 2,010,402,645 | (493,762,230) | (220,846,764) | 1,295,793,601 | 29.78% | 5.74% | 1.71% |
| Short Term Debt | (3) (74,286,975) | 131,500,140 | 57,213,165 | 45,411,201 | (11,153,158) | (34,258,042) | 1 | 0.00% | 0.00% | 0.00% |
| Customer Deposits | | | | | | | | | | |
| Active | (4) 150,338,406 | 0 | 150,338,406 | 119,326,514 | (29,307,030) | 0 | 90,019,484 | 2.07% | 6.22% | 0.13% |
| Inactive | (4) 686,568 | 0 | 686,568 | 544,942 | (133,040) | 0 | 411,103 | 0.01% | | |
| Investment Tax Credit | | | | | | | | | | |
| Post-70 Total | (5) 26,895,584 | 0 | 26,895,584 | 21,347,548 | (5,243,036) | | | | | |
| Equity | (5) | | | | | | | | | |
| Debt | (5) | | | | | | | | | |
| Deferred Income Taxes | (4) 406,707,668 | 0 | 406,707,668 | 322,811,778 | (79,283,759) | 107,478,530 | 351,006,548 | 8.07% | | |
| S 109 DIT - Net | (4) (61,220,561) | 0 | (61,220,561) | (48,691,949) | 11,934,361 | (2,376,888) | (39,033,486) | 0.90% | | |
| Total | \$5,648,568,933 | \$131,500,140 | \$5,780,069,073 | \$4,587,753,119 | (\$1,126,769,031) | \$890,818,206 | \$4,351,802,294 | 100.00% | | 8.93% |

Notes

Common Equity cost rate is mid-point authorized in Docket No. 910290-EI

Cost rates are year-end.

Balances and cost rates are daily weighted average for 13 months.

Balances and cost rates are 13 month average.

Post-70 ITC credits assigned a zero-cost rate per FPMSC Order No. 19282. Docket No. 880157-EI.

PROGRESS ENERGY FLORIDA
 Rate of Return Report
 SUMMARY OF SEBRING RIDER STATUS
 For the Month of December 2006

| PART I - SUMMARY | | | |
|------------------|---|----------|---------------------|
| 1 | Dollars to be Recovered: | | Total Period |
| 2 | Medium Term Note - Principal | | \$30,700,000 |
| 3 | Medium Term Note - Interest | | 19,615,117 |
| 4 | Final Principal True-up | | 198,104 |
| 5 | Other Interest Expense (Net) | Note a | 9,373 |
| 6 | | | <u>50,522,594</u> |
| 7 | Regulatory Assessment Fee | Note a | 42,108 |
| 8 | Total | | <u>\$50,564,702</u> |
| 9 | | | |
| 10 | Period - April 1, 1993 - March 31, 2006 | | 15 Years |
| 11 | | | |
| 12 | 15 Year KWH Sales Forecasted | Note a | 3,262,361,000 KWH |
| 13 | | | |
| 14 | | | Period to Date |
| 15 | Dollars Recovered and Other Credits: | | |
| 16 | Principal and Interest | | \$45,102,716 |
| 17 | Regulatory Assessment Fee | | 35,639 |
| 18 | Interest and Other Adjustments | Note b | 916,070 |
| 19 | Total | | <u>\$46,054,425</u> |
| 20 | | | |
| 21 | KWH Sales to date | | 2,823,387,354 KWH |
| 22 | | | |
| 23 | Length of period elapsed | 13 Years | 3 Months |
| 24 | | | |

| PART II - CURRENT STATUS | | | | | | |
|--------------------------|--|------------------------|---------------|-----------------------|------------------|---------------|
| | | Sales Statistics - KWH | | SR-1 Net Revenues | | |
| | | Actual | Forecast | Actual \$ | Forecast \$ | Difference \$ |
| 30 | | | | | | |
| 31 | Oct 06 | 22,072,769 | 22,171,000 | \$283,845 | \$337,643 | (\$53,798) |
| 32 | Nov 06 | 19,864,698 | 19,541,000 | \$255,703 | \$297,590 | (41,887) |
| 33 | Dec 06 | 19,569,478 | 19,706,000 | \$251,571 | \$300,103 | (48,533) |
| 34 | Jan 07 | | 21,231,000 | \$0 | \$323,327 | |
| 35 | Feb 07 | | 20,424,000 | \$0 | \$311,038 | |
| 36 | Mar 07 | | 19,096,000 | \$0 | \$290,814 | |
| 37 | | | | | | |
| 38 | | | | | | |
| 39 | Rider (SR-1) Rate | 1.293 | Cents per KWH | Effective August 2006 | Billings | |
| 40 | | | | | | |
| 41 | | | | | | |
| 42 | Over/(Under) Recovery Balance - | | | December | | |
| 43 | Beginning Month Balance | | | \$ | 1,373,226 | |
| 44 | SR-1 Revenues (Net of Reg Assessment Fees) | | | | 251,571 | |
| 45 | Payment of Principal and Interest | | | | | |
| 46 | Final Principal True-up | | | | | |
| 47 | Adjustments: | | | | | |
| 48 | Interest on Balance | | | | 6,571 | |
| 49 | Interest Adjustment | | | | 0 | |
| 50 | Revenue Adjustments - Back Billing Error | | | | 0 | |
| 51 | | | | | | |
| 52 | EDM Balance Available for next payment of Principal & Interest | | | \$ | <u>1,631,367</u> | |
| 53 | | | | | | |
| 54 | Next Principal and Interest Payment: | | | | | |
| 53 | Amount Due | | | | \$1,983,429 | |
| 54 | Date Due | | | | 01-Apr-07 | |

Notes:

- a. Updated per FPSC Order No. PSC-93-1519-FOF-EI and September 1996 update filed with the FPSC.
- b. Other adjustments (net) may include true-up adjustments from final close-out transactions.



Backgrounder

Office of Public Affairs
Telephone: 301/415-8200 E-mail: opa@nrc.gov

Power Upgrades for Nuclear Plants

Background

Utilities have been using power upgrades since the 1970s as a way to increase the power output of their nuclear plants. The NRC has completed 102 such reviews to date, resulting in a gain of approximately 12,650 MWt (megawatts thermal) or 4,216 MWe (megawatts electric) at existing plants (see Table 1). Collectively, an equivalent of about four nuclear power plant units has been gained through implementation of power upgrades at existing plants. NRC licensees have indicated they plan to ask for power upgrades over the next four years, that if approved, would add another 2,841 MWt (947 MWe) to the nation's generating capacity.

Discussion

To increase the power output of a reactor, typically a more highly enriched uranium fuel is added. This enables the reactor to produce more thermal energy and therefore more steam, driving a turbine generator to produce electricity. In order to accomplish this, components such as pipes, valves, pumps, heat exchangers, electrical transformers and generators, must be able to accommodate the conditions that would exist at the higher power level. For example, a higher power level usually involves higher steam and water flow through the systems used in converting the thermal power into electric power. These systems must be capable of accommodating the higher flows.

In some instances, licensees will modify and/or replace components in order to accommodate a higher power level. Depending on the desired increase in power level and original equipment design, this can involve major and costly modifications to the plant such as the replacement of main turbines. All of these factors must be analyzed by the licensee as part of a request for a power upgrade, which is accomplished by amending the plant's operating license. The analyses must demonstrate that the proposed new configuration remains safe and that measures continue to be in place to protect the health and safety of the public. These analyses are reviewed by the NRC before a request for a power upgrade is approved.

Power upgrades can be classified in three categories: (1) measurement uncertainty recapture power upgrades, (2) stretch power upgrades, and (3) extended power upgrades.

-2-

1) Measurement uncertainty recapture power uprates are power increases less than two percent and are achieved by using enhanced techniques for calculating reactor power. This involves the use of state-of-the-art devices to more precisely measure feedwater flow which is used to calculate reactor power. More precise measurements reduce the degree of uncertainty in the power level which is used by analysts to predict the ability of the reactor to be safely shut down under some accident conditions.

2) Stretch power uprates are typically on the order of up to seven percent and usually involve changes to instrumentation settings. Stretch power uprates generally do not involve major plant modifications. This is especially true for boiling-water reactor plants. In some limited cases where plant equipment was operated near capacity prior to the power uprate, more substantial changes may be required.

3) Extended power uprates are usually greater than stretch power uprates and have been approved for increases as high as 20 percent. Extended power uprates usually require significant modifications to major pieces of plant equipment such as the high pressure turbines, condensate pumps and motors, main generators, and/or transformers.

Review Process

Power uprates are submitted to NRC as license amendment requests. The applications and reviews are complex and involve many areas of NRC including various technical divisions of the Office of Nuclear Reactor Regulation and the Office of the General Counsel. Some reviews may also involve the Office of Nuclear Regulatory Research and the Advisory Committee on Reactor Safeguards. In evaluating a power uprate request, NRC reviews data and accident analyses submitted by a licensee to confirm that the plant can operate safely at the higher power level. Reviews of power uprate requests are a high priority and are therefore, being conducted on accelerated schedules.

Regulatory Issue Summary (RIS) 2002-03, "Guidance on the Content of Measurement Uncertainty Recapture Power Uprate Applications," dated January 31, 2002, covers analyses of the effect of the power uprate on things such as electrical equipment, major plant systems, and emergency operating procedures. The RIS outlines the staff's information needs for reviewing measurement uncertainty recapture power uprate applications and is intended to result in a more efficient and effective review process. Standardization of licensee's submittals, improvements in the quality of submittals, and more focused reviews by the staff could improve the timeliness of power uprate reviews.

Based on results of its industry survey, NRC expects to receive only one stretch power uprate over the next five years. Therefore, NRC's efforts for improving the power uprate application and review processes initially focused on measurement uncertainty and extended power uprates. Efficiencies gained there will be applied to improve the stretch power uprate review process.

-3-

Reviews of extended power uprate applications were initially estimated to take up to 18 months, but have been completed more quickly. The Duane Arnold, Dresden 2 and 3, and Quad Cities 1 and 2 extended power uprates were completed in just under 12 months. This included coordination and review with the NRC's Advisory Committee for Reactor Safeguards -- an independent panel of technical experts from diverse fields that advises the Commission.

The NRC issued a review standard for extended power uprates, RS-001, in December 2003. The standard is a first-of-a-kind document that provides a comprehensive process and technical guidance for reviews by the NRC staff, and also provides useful information to licensees considering applying for an extended uprate. The NRC's Advisory Committee on Reactor Safeguards endorsed RS-001 as an "excellent review standard." The staff is currently using this standard to review the proposed uprates for Vermont Yankee (20 %), Waterford (8 %), Browns Ferry Unit 1 (20 %), Browns Ferry Units 2 and 3 (15 %), and Beaver Valley Units 1 and 2 (8 %). The staff will closely monitor these uprate reviews to identify any issues related to using RS-001.

To keep the public informed of its activities, NRC publishes a notice in the *Federal Register* (1) when it receives a request from a licensee for a power uprate, giving the public the opportunity to request a hearing; (2) after a finding of no significant environmental impact is made, if applicable; and (3) if a power uprate is approved. A press release is also issued if a power uprate is approved.

Plant-Specific Applications Under Review

The NRC usually has several applications for power uprates under review at any given time. An updated list of applications under review can be found on the NRC's Web site at this address: <http://www.nrc.gov/reactors/operating/licensing/power-uprates/pending-applications.html>.

Steam Dryer Issues Following Upgrades

Since 2002, steam dryer cracking and flow-induced vibration damage on components and supports for the main steam and feedwater lines have been observed at the Dresden and Quad Cities nuclear power plants, both of which use boiling water reactors, following implementation of extended power uprates. NRC staff have determined these issues do not pose an immediate safety concern, given the plants' current operating conditions. However, steam dryers and other internal main steam and feedwater components must maintain structural integrity to avoid generating loose parts that could impact safety system or reactor plant operation. The NRC has corresponded with and met with nuclear industry groups concerning these issues since the first occurrences, and continues to examine its regulatory options based on industry actions and the information available.

Future Actions

Licenses have told NRC they plan to submit 18 power uprate applications in the next four years as follows:

- 10 extended power uprates
- 1 stretch power uprate
- 7 measurement uncertainty recapture power uprates

Based on the information provided, planned power uprates are expected to result in an increase of about 2,841 Mwt. An updated list of anticipated future applications can be found on the NRC's Web site at this address:

<http://www.nrc.gov/reactors/operating/licensing/power-uprates/expected-applications.html> .

Tables

- Table 1 - Approved Power Uprates as of November 2004
- Table 2 - Power Uprates Currently Under Review as of November 2004
- Table 3 - Expected Future Submittals for Power Uprates as of October 2004

Table 1 - Approved Power Uprates

(TYPE -- S = Stretch; E = Extended; MU = Measurement Uncertainty Recapture)

| NO. | Plant | % Uprate | Mwt | Year Approved | TYPE |
|-----|------------------|----------|-----|---------------|------|
| 1 | Calvert Cliffs 1 | 5.5 | 140 | 1977 | S |
| 2 | Calvert Cliffs 2 | 5.5 | 140 | 1977 | S |
| 3 | Millstone 2 | 5 | 140 | 1979 | S |
| 4 | H. B. Robinson | 4.5 | 100 | 1979 | S |
| 5 | Fort Calhoun | 5.6 | 80 | 1980 | S |
| 6 | St. Lucie 1 | 5.5 | 140 | 1981 | S |
| 7 | St. Lucie 2 | 5.5 | 140 | 1985 | S |
| 8 | Duane Arnold | 4.1 | 65 | 1985 | S |
| 9 | Salem 1 | 2 | 73 | 1986 | S |
| 10 | North Anna 1 | 4.2 | 118 | 1986 | S |
| 11 | North Anna 2 | 4.2 | 118 | 1986 | S |
| 12 | Callaway | 4.5 | 154 | 1988 | S |
| 13 | TMI-1 | 1.3 | 33 | 1988 | S |
| 14 | Fermi 2 | 4 | 137 | 1992 | S |
| 15 | Vogtle 1 | 4.5 | 154 | 1993 | S |
| 16 | Vogtle 2 | 4.5 | 154 | 1993 | S |
| 17 | Wolf Creek | 4.5 | 154 | 1993 | S |

| | | | | | |
|----|-------------------|-----|-----|------|----|
| 18 | Susquehanna 2 | 4.5 | 148 | 1994 | S |
| 19 | Peach Bottom 2 | 5 | 165 | 1994 | S |
| 20 | Limerick 2 | 5 | 165 | 1995 | S |
| 21 | Susquehanna 1 | 4.5 | 148 | 1995 | S |
| 22 | Nine Mile Point 2 | 4.3 | 144 | 1995 | S |
| 23 | WNP-2 | 4.9 | 163 | 1995 | S |
| 24 | Peach Bottom 3 | 5 | 165 | 1995 | S |
| 25 | Surry 1 | 4.3 | 105 | 1995 | S |
| 26 | Surry 2 | 4.3 | 105 | 1995 | S |
| 27 | Hatch 1 | 5 | 122 | 1995 | S |
| 28 | Hatch 2 | 5 | 122 | 1995 | S |
| 29 | Limerick 1 | 5 | 165 | 1996 | S |
| 30 | V. C. Summer | 4.5 | 125 | 1996 | S |
| 31 | Palo Verde 1 | 2 | 76 | 1996 | S |
| 32 | Palo Verde 2 | 2 | 76 | 1996 | S |
| 33 | Palo Verde 3 | 2 | 76 | 1996 | S |
| 34 | Turkey Point 3 | 4.5 | 100 | 1996 | S |
| 35 | Turkey Point 4 | 4.5 | 100 | 1996 | S |
| 36 | Brunswick 1 | 5 | 122 | 1996 | S |
| 37 | Brunswick 2 | 5 | 122 | 1996 | S |
| 38 | Fitzpatrick | 4 | 100 | 1996 | S |
| 39 | Farley 1 | 5 | 138 | 1998 | S |
| 40 | Farley 2 | 5 | 138 | 1998 | S |
| 41 | Browns Ferry 2 | 5 | 164 | 1998 | S |
| 42 | Browns Ferry 3 | 5 | 164 | 1998 | S |
| 43 | Monticello | 6.3 | 105 | 1998 | E |
| 44 | Hatch 1 | 8 | 205 | 1998 | E |
| 45 | Hatch 2 | 8 | 205 | 1998 | E |
| 46 | Comanche Peak 2 | 1 | 34 | 1999 | MU |
| 47 | LaSalle 1 | 5 | 166 | 2000 | S |
| 48 | LaSalle 2 | 5 | 166 | 2000 | S |
| 49 | Perry | 5 | 178 | 2000 | S |

| | | | | | |
|----|-----------------|------|-----|------|----|
| 50 | River Bend | 5 | 145 | 2000 | S |
| 51 | Diablo Canyon 1 | 2 | 73 | 2000 | S |
| 52 | Watts Bar | 1.4 | 48 | 2001 | MU |
| 53 | Byron 1 | 5 | 170 | 2001 | S |
| 54 | Byron 2 | 5 | 170 | 2001 | S |
| 55 | Braidwood 1 | 5 | 170 | 2001 | S |
| 56 | Braidwood 2 | 5 | 170 | 2001 | S |
| 57 | Salem 1 | 1.4 | 48 | 2001 | MU |
| 58 | Salem 2 | 1.4 | 48 | 2001 | MU |
| 59 | San Onofre 2 | 1.4 | 48 | 2001 | MU |
| 60 | San Onofre 3 | 1.4 | 48 | 2001 | MU |
| 61 | Susquehanna 1 | 1.4 | 48 | 2001 | MU |
| 62 | Susquehanna 2 | 1.4 | 48 | 2001 | MU |
| 63 | Hope Creek | 1.4 | 46 | 2001 | MU |
| 64 | Beaver Valley 1 | 1.4 | 37 | 2001 | MU |
| 65 | Beaver Valley 2 | 1.4 | 37 | 2001 | MU |
| 66 | Shearon Harris | 4.5 | 138 | 2001 | S |
| 67 | Comanche Peak 1 | 1.4 | 47 | 2001 | MU |
| 68 | Comanche Peak 2 | 0.4 | 13 | 2001 | MU |
| 69 | Duane Arnold | 15.3 | 248 | 2001 | E |
| 70 | Dresden 2 | 17 | 430 | 2001 | E |
| 71 | Dresden 3 | 17 | 430 | 2001 | E |
| 72 | Quad Cities 1 | 17.8 | 446 | 2001 | E |
| 73 | Quad Cities 2 | 17.8 | 446 | 2001 | E |
| 74 | Waterford 3 | 1.5 | 51 | 2002 | MU |
| 75 | Clinton | 20 | 579 | 2002 | E |
| 76 | South Texas 1 | 1.4 | 53 | 2002 | MU |
| 77 | South Texas 2 | 1.4 | 53 | 2002 | MU |
| 78 | ANO-2 | 7.5 | 211 | 2002 | E |
| 79 | Sequoyah 1 | 1.3 | 44 | 2002 | MU |
| 80 | Sequoyah 2 | 1.3 | 44 | 2002 | MU |
| 81 | Brunswick 1 | 15 | 365 | 2002 | E |

-7-

| | | | | | |
|-----|-----------------|------|-------|------|----|
| 82 | Brunswick 2 | 15 | 365 | 2002 | E |
| 83 | Grand Gulf | 1.7 | 65 | 2002 | MU |
| 84 | H. B. Robinson | 1.7 | 39 | 2002 | MU |
| 85 | Peach Bottom 2 | 1.62 | 56 | 2002 | MU |
| 86 | Peach Bottom 3 | 1.62 | 56 | 2002 | MU |
| 87 | Indian Point 3 | 1.4 | 42.4 | 2002 | MU |
| 88 | Point Beach 1 | 1.4 | 21.5 | 2002 | MU |
| 89 | Point Beach 2 | 1.4 | 21.5 | 2002 | MU |
| 90 | Crystal River 3 | 0.9 | 24 | 2002 | S |
| 91 | D.C. Cook 1 | 1.66 | 54 | 2002 | MU |
| 92 | River Bend | 1.7 | 52 | 2003 | MU |
| 93 | D.C. Cook 2 | 1.66 | 57 | 2003 | MU |
| 94 | Pilgrim | 1.5 | 30 | 2003 | MU |
| 95 | Indian Point 2 | 1.4 | 43 | 2003 | MU |
| 96 | Kewaunee | 1.4 | 23 | 2003 | MU |
| 97 | Hatch 1 | 1.5 | 41 | 2003 | MU |
| 98 | Hatch 2 | 1.5 | 41 | 2003 | MU |
| 99 | Palo Verde 2 | 2.9 | 114 | 2003 | S |
| 100 | Kewaunee | 6.0 | 99 | 2004 | S |
| 101 | Palisades | 1.4 | 35 | 2004 | MU |
| 102 | Indian Point 2 | 3.2 | 101.6 | 2004 | S |

Table 2 - Power Upgrades Under Review

(TYPE -- S = Stretch; E = Extended; MU = Measurement Uncertainty Recapture)

| No. | Plant | % Uprate | MWt | Submittal Date | Projected Completion Date | Type |
|-----|-----------------|----------|-----|----------------|---------------------------|------|
| 1 | Vermont Yankee | 20 | 319 | 09/10/03 | TBD | E |
| 2 | Waterford | 8 | 275 | 11/13/03 | April 2005 | E |
| 3 | Seabrook | 5.2 | 176 | 03/17/04 | Feb. 2005 | S |
| 4 | Indian Point 3 | 4.85 | 148 | 06/03/04 | March 2005 | S |
| 5 | Browns Ferry 2 | 15 | 494 | 06/25/04 | TBD | E |
| 6 | Browns Ferry 3 | 15 | 494 | 06/25/04 | TBD | E |
| 7 | Browns Ferry 1 | 20 | 659 | 06/28/04 | TBD | E |
| 8 | Palo Verde 1 | 2.94 | 114 | 07/09/04 | March 2005 | S |
| 9 | Palo Verde 3 | 2.94 | 114 | 07/09/04 | March 2005 | S |
| 10 | Beaver Valley 1 | 8 | 211 | 10/04/04 | TBD | E |
| 11 | Beaver Valley 2 | 8 | 211 | 10/04/04 | TBD | E |

Table 3 - Expected Future Submittals for Power Uprates

| <u>Fiscal Year</u> | <u>Total Uprates Expected</u> | <u>Measurement Uncertainty Recapture Uprates</u> | <u>Stretch Power Uprates</u> | <u>Extended Power Uprates</u> | <u>Megawatts Thermal</u> | <u>Approximate Megawatts Electric</u> |
|--------------------|-------------------------------|--|------------------------------|-------------------------------|--------------------------|---------------------------------------|
| 2005 | 8 | 4 | <u>0</u> | <u>4</u> | 1,315 | 438 |
| 2006 | 3 | 3 | 0 | 0 | 161 | 54 |
| 2007 | 6 | 0 | 1 | 5 | 843 | 281 |
| 2008 | 1 | 0 | 0 | 1 | 522 | 174 |
| TOTAL | 18 | 7 | 1 | 10 | 2,841 | 947 |

June 2005

PROGRESS ENERGY FLORIDA
Impact of Sales Growth on Base Rate Recovery

| <u>Line</u> | <u>Description</u> | <u>Base Rates Set</u> | <u>Year One Load Growth</u> | <u>Year Two Load Growth</u> |
|-------------|------------------------------------|---------------------------|---------------------------------|---------------------------------|
| | | (1) | (2) | (3) |
| 1 | Base Rate Costs | \$50,000 | | |
| 2 | Electricity Sales (MWh) | 1,000 | 1,030 | 1,061 |
| 3 | Average Base Rate Cost (\$/MWh) | \$50 | \$50 | \$50 |
| 4 | Base Rate Revenue | | \$51,500 | \$53,045 |
| 5 | Additional Base Rate Cost Recovery | | \$1,500 | \$3,045 |

**Docket No. 070052-EI
CCRC vs. Fuel Clause
Exhibit No. (JP-4)
Page 1 of 1**

Exhibit JP-1P
Section C
Page 4 of 5

Progress Energy Florida
Capacity Cost Recovery Clause
Calculation of Capacity Clause Recovery Factor
Using Current 12 CP & 1/13th AD Allocation Method for Production Demand
For the Year 2007

| Rate Class | (1) Average 12CP Load Factor at Meter (%) | (2) Sales at Meter (mWh) | (3) Avg 12 CP at Meter (MW) (247650kwh/1) | (4) Delivery Efficiency Factor | (5) Sales at Source (Generation) (mWh) (21/4) | (6) Avg 12 CP at Source (MW) (31/4) | (7) Annual Average Demand (307620kwh) | (8) Annual Average Demand/Allocator (%) | (9) 12CP Demand Transmission Allocator (%) | (10) 12CP & 1/13 AD Demand Allocator (%) |
|---------------------------------------|---|-----------------------------------|---|---|---|---|---|---|--|--|
| Residential | | | | | | | | | | |
| RS-1, RST-1, RSL-1, RSS-1 | 0.550 | 20,912,280 | 4,340.45 | 0.9344227 | 22,379,893 | 4,645.03 | 2,554.78 | 51.462% | 60.948% | 60.218% |
| Secondary | | | | | | | | | | |
| General Service Non-Demand | | | | | | | | | | |
| GS-1, GST-1 | | | | | | | | | | |
| Secondary | 0.658 | 1,365,672 | 236.93 | 0.9344227 | 1,461,514 | 253.56 | 106.84 | 3.361% | 3.327% | 3.330% |
| Primary | 0.658 | 6,768 | 1.17 | 0.9683000 | 6,980 | 1.21 | 0.80 | 0.016% | 0.016% | 0.016% |
| Transmission | 0.658 | 3,247 | 0.56 | 0.9783000 | 3,349 | 0.56 | 0.36 | 0.008% | 0.008% | 0.008% |
| General Service | | | | | | | | 3.384% | 3.350% | 3.353% |
| GS-2 | 1.000 | 82,483 | 9.42 | 0.9344227 | 88,272 | 10.08 | 10.08 | 0.203% | 0.132% | 0.138% |
| Secondary | | | | | | | | | | |
| General Service Demand | | | | | | | | | | |
| GSD-1, GSDT-1 | | | | | | | | | | |
| Secondary | 0.789 | 12,650,152 | 1,830.27 | 0.9344227 | 13,537,933 | 1,958.72 | 1,545.43 | 31.100% | 25.700% | 28.118% |
| Primary | 0.789 | 2,404,893 | 347.95 | 0.9683000 | 2,483,824 | 359.34 | 283.52 | 5.711% | 4.715% | 4.792% |
| Transmission | 0.789 | 0 | 0.00 | 0.9783000 | 0.00 | 0.00 | 0.00 | 0.000% | 0.000% | 0.000% |
| SS-1 | 1.264 | 0 | 0.00 | 0.9683000 | 0.00 | 0.00 | 0.00 | 0.000% | 0.000% | 0.000% |
| Transm Del/ Transm Mir | 1.264 | 17,286 | 1.56 | 0.9783000 | 17,669 | 1.60 | 2.02 | 0.041% | 0.021% | 0.022% |
| Transm Del/ Primary Mir | 1.264 | 8,113 | 0.73 | 0.9683000 | 8,379 | 0.76 | 0.96 | 0.019% | 0.010% | 0.011% |
| Curialable | | | | | | | | 36.901% | 30.446% | 30.943% |
| CS-1, CST-1, CS-2, CST-2, SS-3 | 1.093 | 0 | 0.00 | 0.9344227 | 0.00 | 0.00 | 0.00 | 0.000% | 0.000% | 0.000% |
| Secondary | 1.093 | 356,088 | 37.40 | 0.9683000 | 369,811 | 38.62 | 42.22 | 0.650% | 0.507% | 0.533% |
| Primary | | 5,761 | 0.00 | 0.9683000 | 5,960 | 0.00 | 0.68 | 0.014% | 0.000% | 0.001% |
| SS-3 | | | | | | | | 0.664% | 0.507% | 0.534% |
| Interruptible | | | | | | | | | | |
| IS-1, IST-1, IS-2, IST-2 | | | | | | | | | | |
| Secondary | 0.927 | 117,778 | 14.50 | 0.9344227 | 126,044 | 15.62 | 14.39 | 0.290% | 0.204% | 0.210% |
| Primary Del/ Primary Mir | 0.927 | 1,874,188 | 230.80 | 0.9683000 | 1,935,545 | 238.35 | 220.95 | 4.451% | 3.127% | 3.229% |
| Primary Del/ Transm Mir | 0.927 | 2,169 | 0.27 | 0.9783000 | 2,217 | 0.27 | 0.25 | 0.005% | 0.004% | 0.004% |
| Transm Del/ Transm Mir | 0.927 | 476,752 | 58.71 | 0.9783000 | 487,337 | 60.01 | 55.63 | 1.121% | 0.787% | 0.813% |
| Transm Del/ Primary Mir | 0.927 | 61,181 | 10.00 | 0.9683000 | 63,839 | 10.32 | 9.57 | 0.193% | 0.135% | 0.140% |
| Primary | 0.749 | 0 | 0.00 | 0.9683000 | 0.00 | 0.00 | 0.00 | 0.000% | 0.000% | 0.000% |
| Transm Del/ Transm Mir | 0.749 | 87,945 | 13.40 | 0.9783000 | 89,896 | 13.70 | 10.28 | 0.207% | 0.180% | 0.182% |
| Transm Del/ Primary Mir | 0.749 | 49,404 | 7.53 | 0.9683000 | 51,021 | 7.78 | 5.82 | 0.117% | 0.102% | 0.103% |
| Lighting | | | | | | | | 6.953% | 4.539% | 4.661% |
| LS-1 (Secondary) | 6.746 | 326,064 | 5.52 | 0.9344227 | 349,947 | 5.90 | 39.83 | 0.802% | 0.077% | 0.133% |
| | | | | | | | | | | |
| | | 40,830,224 | 7,147.16 | | 43,488,186 | 7,621.38 | 4,964.41 | 100.000% | 100.000% | 100.000% |

Notes:
 (1) Average 12CP load factor based on load research study filed July 31, 2003.
 (2) Projected kWh sales for the period January 2006 to December 2006
 (3) Calculated: Column 2 / (8,760 hours x Column 1)
 (4) Based on system average line loss analysis for 2004.
 (5) Column 2 / Column 4

(6) Column 3 / Column 4
 (7) Calculated: Column 6 / 8,760 hours
 (8) Column 7/ Total Column 7
 (9) Column 8/ Total Column 6
 (10) Column 8 x 1/13 + Column 9 x 12/13