

ORIGINAL

MCWHIRTER DAVIDSON & MCLEAN  
ATTORNEYS AT LAW

June 15, 2007

Hon. Blanca Bayo  
Division of Commission Clerk  
and Administrative Services  
Florida Public Service Commission  
2450 Shumard Oak Blvd.  
Tallahassee, Fl 32399-0850

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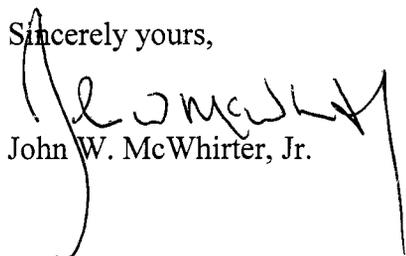
In Re Docket No 070052-EI.

Dear Ms. Bayo:

Enclosed for filing in the above docket are an original and fifteen copies of the prefiled testimony of Jeffrey Pollock , an expert witness sponsored by FIPUG.

- CMP \_\_\_\_\_
- COM 5
- CTR 1
- ECR \_\_\_\_\_
- GCL 1
- OPC \_\_\_\_\_
- RCA \_\_\_\_\_
- SCR \_\_\_\_\_
- SGA \_\_\_\_\_
- SEC \_\_\_\_\_
- OTH \_\_\_\_\_

Sincerely yours,

  
John W. McWhirter, Jr.

DOCUMENT NUMBER-DATE

04872 JUN 18 07

**ORIGINAL**

**Before the  
Florida Public Service Commission**

<b>In re: Petition to Recover Costs of Crystal River Unit 3 Uprate through the Fuel Clause</b>	<b>DOCKET NO. 070052-EI Submitted for filing: June 19, 2007</b>
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Direct Testimony and Exhibits of

**Jeffry Pollock**

On behalf of the

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

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June 2007



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ATTORNEY AT LAW

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FPS-COMMISSION OF

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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.



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 1<sup>st</sup> 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 property  
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.

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**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-FU, 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 cursive script, appearing to read 'Will Garrett'.

Will Garrett  
Controller, Progress Energy Florida

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

	(1) Actual Per Books	(2) FPSC Adjustments	(3) FPSC Adjusted	(4) Pro Forma Adjustments	(5) Pro Forma Adjusted
<b>I. Average Rate of Return (Jurisdictional)</b>					
Net Operating Income (a) (b)	\$412,261,767	(\$41,236,497)	\$371,023,261	\$0	\$371,023,261
Average Rate Base	\$4,587,753,119	(\$235,950,825)	\$4,351,802,294	\$0	\$4,351,802,294
Average Rate of Return	8.99%		8.53%		8.53%
<b>II. Year End Rate of Return (Jurisdictional)</b>					
Net Operating Income	\$412,261,757	(\$41,236,497)	\$371,023,261	\$0	\$371,023,261
Year End Rate Base	\$4,752,106,953	(\$389,054,469)	\$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.

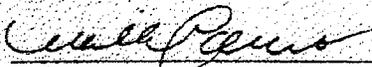
III. Required Rates of Return	Average Capital Structure	End of Period Capital Structure
<b>FPSC Adjusted Basis</b>		
Low Point	8.38%	8.42%
Mid Point	8.98%	9.04%
High Point	9.58%	9.66%
<b>Pro Forma Adjusted Basis</b>		
Low Point	8.38%	8.42%
Mid Point	8.98%	9.04%
High Point	9.58%	9.65%

**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	6.70%	(System Per Books Basis)
D. Internally Generated Funds	116.07%	(System Per Books Basis)
E. STD/LTD to Total Investor Funds		
LT Debt Fixed to Total Investor Funds	32.76%	(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. 775.062, s. 775.083, or s. 775.064.

  
 Will Garrett, Controller Progress Energy Florida

2-14-07  
 Date

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

Schedule 2  
Page 1 of 3

	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
System Per Books	\$8,937,593,885	\$4,261,567,212	\$4,676,026,672	\$9,046,653	\$517,484,715	\$65,427,815	\$5,267,985,655	\$21,355,957	\$5,289,341,612
Assets Recoverable:									
ARO	10,906,932	(22,104,149)	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	13,986,013	9,258,825	22,244,838
FUEL	282,818,047	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
<b>Regulatory Base - System</b>	<b>\$8,640,813,956</b>	<b>\$4,233,427,309</b>	<b>\$4,407,386,647</b>	<b>\$9,046,653</b>	<b>\$506,338,252</b>	<b>\$65,427,615</b>	<b>\$4,988,199,167</b>	<b>\$81,818,979</b>	<b>\$5,070,018,146</b>
<b>Regulatory Base - Retail</b>	<b>\$7,921,788,092</b>	<b>\$3,924,782,247</b>	<b>\$3,997,005,845</b>	<b>\$6,851,795</b>	<b>\$454,935,490</b>	<b>\$63,032,671</b>	<b>\$4,521,825,800</b>	<b>\$65,927,319</b>	<b>\$4,587,753,119</b>
<b>SC Adjustments</b>									
WIP - AFUDC	0	0	0	0	(237,359,872)	0	(237,359,872)	0	(237,359,872)
GAIN/LOSS 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
NET 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
<b>Total FPSC Adjustments</b>	<b>(4,181,826)</b>	<b>(2,286,276)</b>	<b>(1,895,550)</b>	<b>0</b>	<b>(237,359,872)</b>	<b>0</b>	<b>(239,255,422)</b>	<b>3,304,597</b>	<b>(235,950,825)</b>
<b>FPSC Adjusted</b>	<b>\$7,917,606,266</b>	<b>\$3,922,495,971</b>	<b>\$3,995,110,295</b>	<b>\$6,851,795</b>	<b>\$217,575,618</b>	<b>\$63,032,671</b>	<b>\$4,282,570,378</b>	<b>\$69,231,915</b>	<b>\$4,351,802,294</b>

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

Schedule 2  
Page 2 of 3

	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
Per Books (a)	\$4,560,623,120	\$2,530,406,291	\$675,343,794	\$403,781,163	\$309,074,331	\$237,704,266	(\$41,675,714)	(\$6,410,000)	\$0	\$4,108,296,231	\$452,306,889
Recoverable:											
ARD	0	0	0	(3,324)	0	0	(41,000)	0	0	(44,324)	44,324
ECCR	60,879,845	0	61,159,893	6,684	15,632	639,294	(757,165)	0	0	61,067,537	(187,692)
ECRC	23,287,033	0	22,855,812	104,180	16,767	96,928	0	0	0	23,133,157	153,866
FUEL	2,545,554,024	2,499,587,326	0	9,006,611	1,748,311	13,582,865	0	0	0	2,523,925,314	21,528,710
SCRC	122,445,779	0	0	122,357,617	0	34,008	0	0	0	122,351,625	54,154
<b>Regulatory Base - System</b>	<b>\$1,808,456,439</b>	<b>\$30,820,955</b>	<b>\$591,328,290</b>	<b>\$272,246,015</b>	<b>\$307,293,621</b>	<b>\$223,351,570</b>	<b>(\$40,877,549)</b>	<b>(\$6,410,000)</b>	<b>\$0</b>	<b>\$1,377,752,812</b>	<b>\$430,703,527</b>
<b>Regulatory Base - Retail</b>	<b>\$1,648,480,434</b>	<b>\$6,329,237</b>	<b>\$541,123,476</b>	<b>\$249,315,284</b>	<b>\$298,425,089</b>	<b>\$203,740,235</b>	<b>(\$37,576,812)</b>	<b>(\$5,892,838)</b>	<b>\$0</b>	<b>\$1,255,463,669</b>	<b>\$393,016,765</b>
<b>FPSC Adjustments</b>											
CORPORATE AIRCRAFT ALLOCATION	0	0	(668,934)	0	0	258,041	0	0	0	(410,892)	410,892
FRANCHISE FEE & GROSS REC TAX REVENUE	(200,515,907)	0	0	0	0	(77,349,011)	0	0	0	(77,349,011)	(123,166,896)
FRANCHISE FEES & GROSS REC TAX - TOI	0	0	0	0	(198,830,948)	76,699,038	0	0	0	(122,131,910)	122,131,910
GAIN/LOSS ON SALE OF PLANT	0	0	0	0	0	355,660	0	0	(921,995)	(566,335)	566,335
LIST/PROMOTIONAL ADVERTISING	0	0	(2,450,994)	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
MISCELLANEOUS INTEREST EXPENSE	0	0	75,155	0	0	(28,991)	0	0	0	46,164	(46,164)
REMOVE ASSOC/ORGANIZATION DUES	0	0	(70,367)	0	0	27,144	0	0	0	(43,223)	43,223
REMOVE DEFERRED TAX AFUDC DEBT	0	0	0	0	0	0	7,316	0	0	7,316	(7,316)
REMOVE ECONOMIC DEVELOPMENT	0	0	(25,827)	0	0	9,963	0	0	0	(15,864)	15,864
REVENUE SHARING	0	0	0	0	0	0	0	0	0	0	0
TO START UP COSTS	0	0	1,000	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	(3,371,989)	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	23,410,597	0	0	0	23,410,597	(23,410,597)
<b>Total FPSC Adjustments</b>	<b>(204,285,801)</b>	<b>0</b>	<b>(3,479,818)</b>	<b>(3,371,989)</b>	<b>(198,830,948)</b>	<b>24,305,129</b>	<b>7,316</b>	<b>0</b>	<b>(921,995)</b>	<b>(182,292,297)</b>	<b>(21,993,504)</b>
<b>FPSC Adjusted</b>	<b>\$1,444,194,633</b>	<b>\$6,329,237</b>	<b>\$537,643,666</b>	<b>\$245,943,295</b>	<b>\$99,594,141</b>	<b>\$228,045,364</b>	<b>(\$37,569,496)</b>	<b>(\$5,892,838)</b>	<b>(\$921,995)</b>	<b>\$1,073,171,373</b>	<b>\$371,023,267</b>

Notes:  
(a): The addition of earnings from AFUDC charges would increase the system NOI by \$21,891,599 and jurisdictional NOI by \$19,244,392

Per Month

	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
Per Books											
Excluding AFUDC Earnings and Recoverable	\$135,478,356	\$2,872,723	\$52,309,390	\$25,109,767	\$19,635,082	\$17,071,516	(\$3,449,194)	(\$955,000)	\$0	\$112,584,285	\$22,894,070
Additional Per Books											
Excluding AFUDC Earnings and Recoverable	\$130,846,993	\$570,029	\$48,129,253	\$22,395,536	\$19,210,959	\$18,611,562	(\$3,170,682)	(\$887,143)	\$0	\$104,859,515	\$25,987,478

Docket No. 070052-EI  
 PEF Rate of Return Report  
 Exhibit No. (JP-1)  
 Page 4 of 15

OGRESS ENERGY FLORIDA  
Average 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)	(2,284,364)
(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 - WHOLESALE	F	2,286,276	2,286,276
(2)	RTQ START UP COSTS	F	100,452	93,703
(1)	SECTION 1341 INC TAX ADJUSTMENT	F	1,407,470	1,293,432
	<b>Total:</b>		<b>(\$268,302,313)</b>	<b>(\$235,950,825)</b>

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	(220,657)	75,155	(28,991)
(1)	REMOVE ASSOC./ORGANIZATION DUES	F	(77,220)	29,788	(70,387)	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)	RTQ 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
	<b>Total</b>		<b>(\$2,298,633)</b>	<b>\$26,725,613</b>	<b>(\$2,318,940)</b>	<b>\$24,312,445</b>

(1) Docket No. 910890-EI, Order No. PSC 92-0208-FOF-EI  
(2) N/A

PROGRESS ENERGY FLORIDA  
 Schedule of Period Rate of Return - Rate Base  
 December 2006

Schedule 3  
 Page 1 of 3

Item Per Books	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
Assets Recoverable:	\$9,225,480,886	\$4,339,861,105	\$4,885,499,791	\$7,422,007	\$641,485,881	\$58,409,362	\$5,592,817,041	\$21,355,957	\$5,614,172,698
ARO	10,906,932	(22,088,037)	32,904,969	0	0	0	32,994,969	(378,098,125)	(345,103,156)
ECCR	49,419	27,001	22,418	0	112,155	0	134,573	(8,547,435)	(8,412,863)
ECRC	3,698,169	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
<b>Regulatory Base - System</b>	<b>\$8,923,988,523</b>	<b>\$4,304,282,476</b>	<b>\$4,619,706,046</b>	<b>\$7,422,007</b>	<b>\$611,125,198</b>	<b>\$58,409,362</b>	<b>\$5,296,662,613</b>	<b>\$81,818,979</b>	<b>\$5,378,481,592</b>
<b>Regulatory Base - Retail</b>	<b>\$8,115,847,278</b>	<b>\$4,041,610,316</b>	<b>\$4,074,236,962</b>	<b>\$5,621,313</b>	<b>\$560,042,428</b>	<b>\$56,278,971</b>	<b>\$4,696,179,674</b>	<b>\$65,927,319</b>	<b>\$4,762,106,993</b>
<b>FPSC Adjustments</b>									
WIP - AFUDC	0	0	0	0	(360,413,515)	0	(390,413,515)	0	(390,413,515)
GAIN/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 - WHOLESALE	0	(2,286,276)	2,286,276	0	0	0	2,286,276	0	2,286,276
NET 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
<b>Total FPSC Adjustments</b>	<b>(54,363,739)</b>	<b>(2,286,276)</b>	<b>(52,077,463)</b>	<b>0</b>	<b>(360,413,515)</b>	<b>0</b>	<b>(442,490,978)</b>	<b>53,486,509</b>	<b>(389,004,469)</b>
<b>FPSC Adjusted</b>	<b>\$8,061,483,539</b>	<b>\$4,039,324,040</b>	<b>\$4,022,159,499</b>	<b>\$5,621,313</b>	<b>\$169,628,913</b>	<b>\$56,278,971</b>	<b>\$4,253,688,696</b>	<b>\$119,413,828</b>	<b>\$4,373,102,524</b>

Item	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 Per Books (a)	\$4,660,623,120	\$2,630,408,291	\$675,343,794	\$433,781,163	\$309,074,331	\$237,704,366	(\$41,675,714)	(\$6,410,000)	\$0	\$4,106,226,231	\$452,396,889
Recoverable:											
ARO	0	0	0	(3,324)	0	0	(41,000)	0	0	(44,324)	44,324
ECCR	66,879,845	0	61,159,893	9,884	15,632	(39,294)	(757,165)	0	0	61,067,537	(187,692)
LCRC	23,287,033	0	22,855,612	164,160	16,767	96,628	0	0	0	23,133,167	153,866
FUEL	2,545,554,024	2,499,587,328	0	9,005,811	1,748,311	13,582,065	0	0	0	2,523,925,314	21,628,710
SCRC	122,445,779	0	0	122,357,617	0	34,008	0	0	0	122,391,625	54,154
<b>Regulatory Base - System</b>	<b>\$1,808,456,439</b>	<b>\$30,820,965</b>	<b>\$591,328,290</b>	<b>\$272,246,015</b>	<b>\$307,293,621</b>	<b>\$223,361,570</b>	<b>(\$40,877,549)</b>	<b>(\$6,410,000)</b>	<b>\$0</b>	<b>\$1,377,752,912</b>	<b>\$430,703,527</b>
<b>Regulatory Base - Retail</b>	<b>\$1,648,480,434</b>	<b>\$6,329,237</b>	<b>\$541,123,476</b>	<b>\$249,315,284</b>	<b>\$298,426,089</b>	<b>\$203,740,235</b>	<b>(\$37,576,812)</b>	<b>(\$5,892,838)</b>	<b>\$0</b>	<b>\$1,255,463,669</b>	<b>\$393,016,765</b>
<b>FPSC Adjustments</b>											
CORPORATE AIRCRAFT ALLOCATION	0	0	(668,934)	0	0	258,041	0	0	0	(410,892)	410,892
FRANCHISE FEE & GROSS REC TAX REVENUE	(200,615,907)	0	0	0	0	(77,349,011)	0	0	0	(77,349,011)	(123,166,896)
FRANCHISE FEES & GROSS REC TAX - TOI	0	0	0	0	(198,830,948)	75,699,038	0	0	0	(122,131,910)	122,131,910
GAIN/LOSS ON SALE OF PLANT	0	0	0	0	0	555,660	0	0	(921,995)	(566,335)	566,335
NET PROMOTIONAL ADVERTISING	0	0	(2,460,994)	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
MISCELLANEOUS INTEREST EXPENSE	0	0	75,155	0	0	(28,991)	0	0	0	46,164	(46,164)
REMOVE ASSOC ORGANIZATION DUES	0	0	(70,367)	0	0	27,144	0	0	0	(43,223)	43,223
REMOVE DEFERRED TAX AFUDC DEBT	0	0	0	0	0	0	7,316	0	0	7,316	(7,316)
REMOVE ECONOMIC DEVELOPMENT	0	0	(25,827)	0	0	9,693	0	0	0	(15,864)	15,864
REVENUE SHARING	0	0	0	0	0	0	0	0	0	0	0
START UP COSTS	0	0	1,001	0	0	(306)	0	0	0	615	(615)
EARNING - RIDER REVENUE	(3,769,894)	0	0	0	0	(1,454,237)	0	0	0	(1,454,237)	(2,315,657)
EARNING - TRANSITION DEPRECIATION	0	0	0	(3,371,989)	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	23,410,597	0	0	0	23,410,597	(23,410,597)
<b>Total FPSC Adjustments</b>	<b>(204,285,801)</b>	<b>0</b>	<b>(3,479,810)</b>	<b>(3,371,989)</b>	<b>(198,830,948)</b>	<b>24,305,129</b>	<b>7,316</b>	<b>0</b>	<b>(921,995)</b>	<b>(182,292,297)</b>	<b>(21,993,504)</b>
<b>FPSC Adjusted</b>	<b>\$1,444,194,633</b>	<b>\$6,329,237</b>	<b>\$537,643,666</b>	<b>\$245,943,295</b>	<b>\$98,594,141</b>	<b>\$228,046,364</b>	<b>(\$37,569,496)</b>	<b>(\$5,892,838)</b>	<b>(\$921,995)</b>	<b>\$1,073,171,373</b>	<b>\$371,023,265</b>

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

Docket No. 070052-EI  
 PEF Rate of Return Report  
 Exhibit No. (JP-1)  
 Page 7 of 15

PROGRESS 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)	GWIP - AFUDC	F		
(1)	GAIN/LOSS ON SALE OF PLANT	F	(\$448,161,874)	(\$390,413,515)
(2)	CAPITAL LEASE	F	(2,152,235)	(2,264,364)
(2)	CAPITAL LEASE	F	(54,363,739)	(54,363,739)
(1)	NUC. DECOM. UNFUNDED - WHOLESALE	F	54,363,739	54,363,739
(2)	RTO START UP COSTS	F	2,286,276	2,286,276
(1)	SECTION 1341 INC TAX ADJUSTMENT	F	100,452	93,703
			1,407,470	1,293,432
	<b>Total</b>		<b>(\$446,519,912)</b>	<b>(\$389,004,469)</b>

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	(\$743,436)	\$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	(28,991)
(1)	REMOVE ASSOC/ORGANIZATION DUES	F	(77,220)	29,708	(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 - RIDEK 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
	<b>Total</b>		<b>(\$2,298,633)</b>	<b>\$26,725,613</b>	<b>(\$2,318,940)</b>	<b>\$24,312,445</b>

(1) Docket No. 910890-E1, Order No. PSC 92-0203-FOF-E1  
 (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% ***						
Preferred Stock	33,496,700	27,205,933	(7,242,830)	0	19,963,104	0.46%	10.75%	6.49%	11.75%	7.09%	12.75%	7.69%
Long Term Debt - Fixed	2,532,888,290	2,057,205,337	(547,674,194)	(220,846,764)	1,288,684,378	29.61%	4.51%	0.02%	4.51%	0.02%	4.51%	0.02%
Short Term Debt *	(74,286,975)	(60,335,690)		60,335,690	1	0.00%	5.74%	1.70%	5.74%	1.70%	5.74%	1.70%
Customer Deposits							0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Active	150,338,406	122,104,466	(32,506,947)	0	89,597,519	2.06%						
Inactive	686,568	557,629	(148,453)	0	409,176	0.01%	6.21%	0.13%	6.21%	0.13%	6.21%	0.13%
Investment Tax Credit												
Post '70 Total	26,895,584	21,844,524	(5,815,502)									
Equity **					10,779,316	0.25%						
Debt **					5,249,706	0.12%	10.70%	0.03%	11.69%	0.03%	12.68%	0.03%
Deferred Income Taxes	406,707,668	330,326,919	(87,940,434)	107,478,530	349,865,015	8.04%	5.74%	0.01%	5.74%	0.01%	5.74%	0.01%
US 109 DI - Net	(61,229,561)	(49,723,182)	13,237,425	(2,375,898)	(38,861,654)	-0.89%						
<b>Total</b>	<b>\$5,648,568,933</b>	<b>\$4,587,753,119</b>	<b>(\$1,221,362,763)</b>	<b>\$985,411,938</b>	<b>\$4,351,802,294</b>	<b>100.00%</b>		<b>8.38%</b>		<b>8.98%</b>		<b>9.58%</b>

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

Docket No. 070052-EI  
PEF Rate of Return Report  
Exhibit No. (JP-1)  
Page 9 of 15

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

	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	\$2,682,292,656	\$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	2,509,786,089	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	38,694,675		(38,684,675)	(0)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Customer Deposits												
Active	159,270,769	131,398,311	(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	(172,397)	0	470,291	0.01%						
Investment Tax Credit												
Post-70 Total	23,388,508	19,293,856	(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	300,395,307	313,825,954	(64,181,836)	102,392,661	332,036,779	7.59%						
S 109 DIT - Net	(64,037,484)	(52,830,895)	14,171,555	(2,112,487)	(40,771,827)	-0.03%						
<b>Total</b>	<b>\$5,772,254,101</b>	<b>\$4,762,106,993</b>	<b>(\$1,277,405,214)</b>	<b>\$888,400,745</b>	<b>\$4,373,102,524</b>	<b>100.00%</b>		<b>8.42%</b>		<b>9.04%</b>		<b>9.65%</b>

Equity Weighted Average

Cost Rates Calculated Per IRS Ruling

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

54.05%

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

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	5.82

**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	(\$8,000)
Subtotal	\$5,054,905
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	(\$1,511,880)
AFUDC (Debt & EUS Other)	(\$21,899,699)
Depreciation & Amortization	\$409,873,658
Deferred Income Taxes	(\$42,363,927)
Investment Tax Credits	\$6,410,000
Deferred Fuel (Net)	\$403,584,738
Nuclear Fuel Amortization	\$23,468,052
Nuclear Refueling	\$13,506,021
Other - Incl Nuclear Decommissioning	(\$14,968,982)
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)	\$734,481,200
Percentage Internally Generated Funds	116.07%

**E: SHORT TERM DEBT / LONG TERM DEBT AS**

<b>PERCENT OF TOTAL INVESTOR CAPITAL - FPSC</b>	
Common Equity	\$2,626,115,733
Preferred Stock	\$19,963,104
Long Term Debt - Fixed Rate	\$1,288,664,378
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**

<b>F: RETURN ON COMMON EQUITY</b>	Pro Forma	FPSC
Average Earned Rate of Return Less Reconciled Average	8.53%	8.53%
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 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	\$2,682,292,656	\$2,212,890,214	(\$603,970,786)	\$1,040,820,380	\$2,649,739,808	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	2,509,780,089	2,070,567,425	(555,416,674)	(214,015,134)	1,301,195,618	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	131,398,311	(35,246,770)	0	96,151,542	2.20%	6.21%	0.14%	6.21%	0.14%	6.21%	0.14%
Inactive	779,017	642,688	(172,397)	0	470,291	0.01%						
Investment Tax Credit												
Post '70 Total	23,386,508	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	(64,181,836)	102,392,561	332,036,779	7.59%						
AS 109 DIT - Net	(64,037,484)	(52,830,895)	14,171,555	(2,112,487)	(40,771,827)	-0.93%						
<b>Total</b>	<b>\$5,772,254,101</b>	<b>\$4,762,106,993</b>	<b>(\$1,277,405,214)</b>	<b>\$888,400,745</b>	<b>\$4,373,102,524</b>	<b>100.00%</b>		<b>8.42%</b>		<b>9.04%</b>		<b>9.65%</b>

Daily Weighted Average

Cost Rates Calculated Per IRS Ruling

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

54.05%

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

Docket No. 070052-EI  
 PEF Rate of Return Report  
 Exhibit No. (JP-1)  
 Page 12 of 15

PROGRESS ENERGY FLORIDA  
 Financial Integrity Indicators  
 December 2006

A: TIMES INTEREST EARNED WITH AFUDC

Earnings Before Interest	\$576,236,960
AFUDC - Debt	\$5,058,905
Income Taxes	\$193,440,642
Total	\$874,734,506
Interest Charges (before deducting AFUDC-Debt)	\$155,524,480
T.I.E. with AFUDC	5.52

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)	\$155,524,480
T.I.E. without AFUDC	6.48

C: PERCENT AFUDC TO NET INCOME AVAILABLE  
 FOR COMMON SHAREHOLDERS

AFUDC - Debt	\$8,056,805
Less: DIT	(\$8,000)
Subtotal	\$5,054,905
AFUDC - Other	\$16,834,794
Total AFUDC	\$21,889,699
Net Income Available For Common Shareholders	\$326,724,531
Percent AFUDC to Available Net Income	6.70%

D: PERCENT INTERNALLY GENERATED FUNDS

Net Income	\$326,724,531
Common Dividends	(\$234,650,352)
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)	\$403,564,738
Nuclear Fuel Amortization	\$23,466,252
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)	\$734,481,600
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Percentage Internally Generated Funds	116.07%
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E: SHORT TERM DEBT / LONG TERM DEBT AS

PERCENT OF TOTAL INVESTOR CAPITAL - FPSC

Common Equity	\$2,826,115,733
Preferred Stock	\$19,983,104
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 Rata 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	20,067,121	0.46%	4.51%	0.02%
Long Term Debt - Fixed	(2)	2,532,888,290	0	2,532,888,290	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)	686,668	0	686,668	544,942	(133,840)	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)							10,799,004	0.25%		
Debt	(5)							5,305,508	0.12%		
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%		
Post '70 DIT - Net	(4)	(61,220,561)	0	(61,220,561)	(48,591,949)	11,934,381	(2,375,898)	(39,033,486)	-0.90%		
<b>Total</b>		<b>\$5,648,568,933</b>	<b>\$131,500,140</b>	<b>\$5,780,069,073</b>	<b>\$4,587,753,119</b>	<b>(\$1,126,769,031)</b>	<b>\$890,818,206</b>	<b>\$4,351,802,294</b>	<b>100.00%</b>		<b>8.93%</b>

Notes:

- Common Equity cost rate is mid-point authorized in Docket No. 910290-E1.
- 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 DIT credits assigned a zero-cost rate per FPSC Order No. 19282, Docket No. 880157-E1.

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

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PART I - SUMMARY			
			Total Period
Dollars to be Recovered:			
	Medium Term Note - Principal		\$30,700,000
	Medium Term Note - Interest		19,615,117
	Final Principal True-up		198,104
	Other Interest Expense (Net)	Note a	9,373
			<u>50,522,594</u>
	Regulatory Assessment Fee	Note a	42,108
	Total		<u>\$50,564,702</u>
Period - April 1, 1993 - March 31, 2008			15 Years
	15 Year KWH Sales Forecasted	Note a	3,262,361,000 KWH
Period to Date			
Dollars Recovered and Other Credits:			
	Principal and Interest		\$45,102,716
	Regulatory Assessment Fee		35,639
	Interest and Other Adjustments	Note b	916,070
	Total		<u>\$46,054,425</u>
	KWH Sales to date		2,823,387,354 KWH
	Length of period elapsed	13 Years	3 Months

PART II - CURRENT STATUS						
	Sales Statistics - KWH		SR-1 Net Revenues			
	Actual	Forecast	Actual \$	Forecast \$	Difference \$	
Oct 06	22,072,769	22,171,000	\$283,845	\$337,643	(\$53,798)	
Nov 06	19,864,698	19,541,000	\$255,703	\$287,590	(41,887)	
Dec 06	19,569,478	19,706,000	\$251,571	\$300,103	(48,533)	
Jan 07		21,231,000	\$0	\$328,327		
Feb 07		20,424,000	\$0	\$311,038		
Mar 07		19,096,000	\$0	\$290,814		
Rider (SR-1) Rate 1.293 Cents per KWH Effective August 2006 Billings						
Over/(Under) Recovery Balance -						
Beginning Month Balance			December			
			\$	1,373,226		
	SR-1 Revenues (Net of Reg Assessment Fees)			251,571		
	Payment of Principal and Interest			-		
	Final Principal True-up			-		
	Adjustments:					
		Interest on Balance		6,571		
		Interest Adjustment		0		
		Revenue Adjustments - Back Billing Error		0		
	EOM Balance Available for next payment of Principal & Interest		\$	<u>1,631,367</u>		
Next Principal and Interest Payment:						
	Amount Due			\$1,983,429		
	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.



# Background

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 Uprates**

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

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 Upgrades**

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

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) (24hrs/24hrs)	(4) Delivery Efficiency Factor	(5) Sales at Source (Generation) (MWh) (24hrs)	(6) Avg 12 CP at Source (MW) (24hrs)	(7) Annual Average Demand (M/8760hrs)	(8) Annual Average Demand Allocator (%)	(9) 12CP Demand Transmission Allocator (%)	(10) 12CP & 1/13 AD Demand Allocator (%)
<b>Residential</b>										
RS-1, RST-1, RSL-1, RSL-2, RSS-1 Secondary	0.550	20,912,280	4,340.46	0.9344227	22,379,693	4,045.08	2,554.78	51.482%	60.848%	60.218%
<b>General Service Non-Demand</b>										
GS-1, GST-1										
Secondary	0.658	1,365,672	298.93	0.9344227	1,464,514	253.56	166.84	3.381%	3.327%	3.330%
Primary	0.658	6,768	1.17	0.9683000	6,990	1.21	0.80	0.016%	0.016%	0.016%
Transmission	0.658	3,247	0.56	0.9783000	3,319	0.58	0.39	0.008%	0.008%	0.008%
								3.384%	3.350%	3.353%
GS-2 Secondary	1.000	82,483	9.42	0.9344227	88,272	10.08	10.08	0.203%	0.132%	0.138%
<b>General Service Demand</b>										
GSD-1, GSDT-1										
Secondary	0.789	12,650,152	1,830.27	0.9344227	13,537,933	1,958.72	1,545.43	31.130%	25.700%	26.116%
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 Primary	1.264	0	0.00	0.9683000	0.00	0.00	0.00	0.000%	0.000%	0.000%
Transm Del/ Transm Mtr	1.264	17,286	1.58	0.9783000	17,566	1.80	2.02	0.041%	0.021%	0.022%
Transm Del/ Primary Mtr	1.264	8,113	0.73	0.9683000	8,379	0.78	0.98	0.019%	0.010%	0.011%
								36.801%	30.446%	30.943%
<b>Curtailable</b>										
CS-1, CST-1, CS-2, CST-2, SS-3										
Secondary	1.093	0	0.00	0.9344227	0.00	0.00	0.00	0.000%	0.000%	0.000%
Primary	1.093	356,088	37.40	0.9683000	369,811	36.62	42.22	0.850%	0.507%	0.533%
SS-3 Primary		5,761	0.00	0.9683000	5,950	0.00	0.88	0.014%	0.000%	0.001%
								0.864%	0.507%	0.534%
<b>Interruptible</b>										
IS-1, IST-1, IS-2, IST-2										
Secondary	0.927	117,778	14.50	0.9344227	126,044	15.52	14.39	0.290%	0.204%	0.210%
Primary Del / Primary Mtr	0.927	1,874,188	230.60	0.9683000	1,935,845	238.55	220.95	4.451%	3.127%	3.229%
Primary Del / Transm Mtr	0.927	2,169	0.27	0.9783000	2,217	0.27	0.25	0.005%	0.004%	0.004%
Transm Del/ Transm Mtr	0.927	476,762	58.71	0.9783000	487,327	60.01	55.63	1.121%	0.787%	0.813%
Transm Del/ Primary Mtr	0.927	81,181	10.00	0.9683000	83,839	10.32	9.57	0.193%	0.135%	0.140%
SS-2 Primary	0.749	0	0.00	0.9683000	0.00	0.00	0.00	0.000%	0.000%	0.000%
Transm Del/ Transm Mtr	0.749	87,945	13.40	0.9783000	89,898	13.70	10.28	0.207%	0.180%	0.182%
Transm Del/ Primary Mtr	0.749	49,404	7.53	0.9683000	51,021	7.78	5.82	0.117%	0.102%	0.103%
								0.363%	4.539%	4.651%
<b>Lighting</b>										
LS-1 (Secondary)	6.746	326,064	5.52	0.9344227	348,947	5.90	39.83	0.802%	0.077%	0.133%
		40,830,224	7,147.16		43,488,188	7,821.38	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 8
- (10) Column 8 x 1/13 + Column 9 x 12/13