State of Florida



Hublic Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD
TALLAHASSEE, FLORIDA 32399-0850

-M-E-M-O-R-A-N-D-U-M-

DATE:

May 30, 2008

TO:

James E. Breman, Senior Analyst - PSC, Division of Economic Regulation

FROM:

Denise N. Vandiver, Chief of Auditing, Division of Regulatory Compliance &

Consumer Assistance

RE:

Docket No: 080009-EI; Company Name: Progress Energy Florida;

Audit Purpose: Nuclear Cost Recovery for 2007; Company Code: EI801;

Audit Control No: 08-064-2-1;

Attached is the final audit report for the utility stated above. I am sending the utility a copy of this memo and the audit report. If the utility desires to file a response to the audit report, it should send the response to the Division of Commission Clerk. There are no confidential work papers associated with this audit.

DNV:sbj Attachments

Copy: Division of Regulatory Compliance and Consumer

Assistance (Hoppe, District Offices, File Folder)

Division of Commission Clerk & Administrative Services (2) Division of Competitive Markets and Enforcement (Harvey)

General Counsel

Office of Public Counsel

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Progress Energy Florida
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Tallahassee, FL 32301-7740

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DOCUMENT NUMBER-BATE
04630 MAY 30 8

FPSC-COMMISSION CLERK



FLORIDA PUBLIC SERVICE COMMISSION

DIVISION OF REGULATORY COMPLIANCE & CONSUMER ASSISTANCE BUREAU OF AUDITING

Tampa District Office

PROGRESS ENERGY FLORIDA, INC.

NUCLEAR COST RECOVERY CLAUSE

CRYSTAL RIVER UNIT THREE - UPRATE

AS OF DECEMBER 31, 2007

DOCKET NO. 080009-EI AUDIT CONTROL NO. 08-064-2-1

Jeffely A. Small, Audit Manager

Joseph W. Rohrbacher, District Supervisor

DOCUMENT NUMBER-DATE

04630 MAY 30 8

FPSC-COMMISSION CLERK

TABLE OF CONTENTS

AUDITOR'S REPORT	PAGE
I. PURPOSE	1
II. OBJECTIVES AND PROCEDURES	2
III. FINDINGS	
1. JOINT OWNER BILLINGS	4
IV. EXHIBITS ¹	
1. 2006 SCHEDULE T-3 - CONSTRUCTION CARRYING COST	5
2. 2006 SCHEDULE T-3B - CONSTRUCTION PERIOD INTEREST	6
3. 2006 SCHEDULE T-6 - CONSTRUCTION EXPENDITURES	7
4. 2007 SCHEDULE T-1 - RETAIL REVENUE REQUIREMENT	8
5. 2007 SCHEDULE T-3 - CONSTRUCTION CARRYING COST	10
6. 2007 SCHEDULE T-3A – DEFERRED TAX CARRYING COST	12
7. 2007 SCHEDULE T-3B - CONSTRUCTION PERIOD INTEREST	14
8. 2007 SCHEDULE T-6 - CONSTRUCTION EXPENDITURES	16

¹ Schedules included in the company's filing that did not contain information reviewed by the audit staff is not incorporated in this report.

DIVISION OF REGULATORY COMPLIANCE & CONSUMER ASSISTANCE AUDITOR'S REPORT

MAY 27, 2008

TO: FLORIDA PUBLIC SERVICE COMMISSION AND OTHER INTERESTED PARTIES

We have performed the procedures described later in this report to meet the agreed upon objectives set forth by the Division of Economic Regulation in its audit service request dated March 3, 2008. We have applied these procedures to the attached schedules prepared by Progress Energy Florida, Inc. in support of its 2006 and 2007 filings for Nuclear Cost Recovery Clause relief in Docket No. 080009-El..

This audit was performed following general standards and field work standards found in the AICPA Statements on Standards for Attestation Engagements. This report is based on agreed upon procedures which are only for internal Commission use.

OBJECTIVES AND PROCEDURES

GENERAL

To verify that the company's 2006 and 2007 Nuclear Cost Recovery Clause (NCRC) filings in Docket No. 080009-El are consistent and in compliance with Section 366.93, F.S. and Chapter 25-6.0423, F.A.C.

SPECIFIC

- Objective: Verify that the company's filing is properly recorded on its books and records according to the Code of Federal Regulations (CFR) Uniform System of Accounts. (USoA)
 - *Procedures:* We reconciled the company's filing to the general ledger and verified that the costs incurred were posted to the proper USoA account.
- 2. Verify that Schedule T-1 is accurately calculated and that it includes the correct balances from the supporting schedules of the company's 2007 NCRC filing. Procedures: We reconciled and recalculated a sample of the monthly revenue requirement accruals displayed on Schedule T-1 to the supporting schedules in the company's 2007 NCRC filing.
- Objective: Verify that the carrying cost amounts displayed on Schedule T-3, which
 rolls forward to Schedule T-1, are accurately calculated and that they include the
 correct balances from the supporting schedules of the company's 2006 and 2007
 NCRC filing.
 - Procedures: We reconciled and recalculated a sample of the carrying cost accruals displayed on Schedule T-3 to the supporting schedules in the company's 2006 and 2007 NCRC filing. We recalculated a sample of the Allowance for Funds Used During Construction (AFUDC) balances displayed as Other Cost in the filing and reconciled the rates applied by the company to its approved AFUDC rates in Order No. PSC-05-0945-FOF-EI, issued September 28, 2005.
- 4. Objective: Verify that the Deferred Tax Return Requirement amount displayed on Schedule T-3A, which rolls forward to Schedule T-1, is accurately calculated and that it includes the correct balances from the supporting schedules of the company's 2007 NCRC filing.
 - Procedures: We reconciled and recalculated a sample of the monthly deferred tax carrying cost accruals displayed on Schedule T-3A to the supporting schedules in the company's 2007 NCRC filing. We recalculated a sample of the monthly carrying cost balances for deferred tax assets based on the equity and debt components established in Order No. PSC-05-0945-FOF-EI.
- 5. Objective: Verify that the Construction Period Interest (CPI) amount displayed on Schedule T-3B, which rolls forward to Schedule T-3A, is accurately calculated and that it includes the correct balances from the supporting schedules of the company's

2007 NCRC filing.

Procedures: We reconciled and recalculated a sample of the monthly CPI accruals displayed on Schedule T-3B to the supporting schedules in the company's 2006 and 2007 NCRC filing. We recalculated the company's CPI rate and reconciled the component balances to the company's general ledger.

6. Objective: Verify that the jurisdictional nuclear construction amounts, displayed on Schedule T-6 of the company's 2006 and 2007 filing, which rolls forward to Schedule T-3, are accurately calculated and are supported by original source documentation.

Procedures: We recalculated a sample of monthly jurisdictional nuclear construction accruals displayed on Schedule T-6 of the company's 2006 and 2007 NCRC filing. We sampled and verified the project management and power block engineering accruals and traced the invoiced amounts to supporting documentation. We sampled company salary expense accruals and the respective overhead burdens the company applied. We recalculated and verified the joint owner billings that reduced the company's eligible carrying cost for the CR3 Uprate project. We reconciled the jurisdictional factors applied by the company to the eligible carrying cost to the factors approved in Order No. PSC-06-0972-FOF-EI, issued November 22, 2006.

AUDIT FINDING NO. 1

SUBJECT: JOINT OWNER BILLINGS

AUDIT ANALYSIS: The company's 2006 and 2007 filings included \$189,019 and \$3,133,543, respectively, for joint owner billings by Progress Energy Florida, Inc. (PEF) for the Crystal River Unit 3 (CR3) Uprate project costs. The above amounts were calculated based on the joint ownership percentage times the total monthly construction cost accruals for the CR3 Uprate project. The joint owners retain an 8.219 percent ownership of the CR3 unit.

Our audit procedures included an analysis and recalculation of the joint owner billing cost displayed in the company's filings. We discovered a discrepancy in the December 2007 joint owner billing calculation that is displayed below.

Description	Dec-07
Construction Addition (2007 Schedule T-6, Line 39)	\$5,944,715
Joint Owner Percentage	<u>8.219%</u>
Expected Joint Owner Billing	\$488,620
Actual Joint Owner Billing (2007 Schedule T-6, Line 41)	<u>455,975</u>
Difference - Under recovery	\$32,645

The company stated that the $$32,645^2$ difference is the result of a December 2007 correcting journal entry that reclassified a net \$397,173 of PEF's Nuclear Projects and Construction units indirect overhead cost to the CR3 Uprate project. ($$397,173 \times 8.219\%$) The \$397,173 was initially charged, incorrectly, to the Levy Unit 1 & 2 nuclear plant project.

The company's Power Plant System, where construction cost are initially posted before being uploaded to the general ledger, automatically calculates the joint owner billing when an amount is posted to a CR3 project. The adjustment described above, when reclassified to a CR3 Uprate project, did not include the "trigger" that would have calculated the corresponding joint owner billing that is required. The company stated that it would correct and true-up the December 2007 error and all subsequent similar errors discovered in the 2008 period in its 2008 filing.

We will revisit this issue in both the CR3 Uprate and Levy Unit 1 & 2 filings for year 2008 to ensure that the errors are corrected and properly posted.

EFFECT ON THE FILING:

None, informational only.

² The \$32,645 difference is based on the construction cost reflected on Schedule T-6. The adjustment, when carried forward, becomes immaterial with respect to the Total Return Requirement reflected on Schedule T-1 of the company's filing.

Schedule T-3

CRYSTAL RIVER UNIT 3 UPRATE

Pre-Construction Costs and Carrying Costs on Construction Cost Balance True-up Filing: Carrying Costs

[Section (5)(c)1.a.]

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION:

Provide the calculation of the final true-up of carrying costs on construction expenditures, based on actual carrying costs

on construction expanditures for the prior year and previously filed carrying costs on construction expenditures for such prior year.

For the Year Ended:

12/31/2006

Progress Energy - FL

COMPANY: DOCKET NO .:

Witness: Will Garrett

Line No.		(I) Beginning of Period	(J) Actual July	(K) Actual August	(L) Actual September	(M) Actual October	(N) Actual November	(O) Actual December	(P) 12 Month Total	_
	· · · · · · · · · · · · · · · · · · ·				Jurisdiction	ai Dollars				
1.	Nuclear CWIP Additions (Schedule T-8, line 62)	\$0	\$0	\$0	* \$0	\$0	(\$19,244)	(\$20,879)	(\$40,123)	
2.	Transfers to Plant in Service		\$0	\$0	\$0	\$0	\$0	\$0	\$0	
3.	Other Adjustments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	
4.	CWIP Base Eligible for Return (Prior Mo Balance + Line 1 - 2 + 3)	· -	\$0	\$0	\$0	\$0	(\$19,244)	(\$40,123)	(\$40,123)	(\$40,123)
5.	Average Net CWIP Additions		\$ 0	\$0	\$0	\$0	(\$9,522)	(\$29,684)	n/a	
6.	Return on Average Net CWIP Additions (c)									
•	Equity Component (Line 5 x 6.819% x 1/12) (a)		\$0	\$0	\$0	\$0	\$C	\$0	\$0	
ŧ	Equity Comp. grossed up for taxes (Line 6s x 1.628002) (b)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	. Debt Component (Line 5 x 2.029% x 1/12)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	
7.	Total Return Requirements (Line 6b + 6c)	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
8.	Total Return Requirements from most recent Projections		\$0	\$0	\$0	\$0	\$0	\$0	\$0	
9.	Difference (Line 7 - Line 8)	-	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

Notes:

⁽a) The monthly Equity Component of 6.85% reflects an 11.75% return on equity.

(b) Requirement for the payment of income taxes is calculated using a Federal income Tax rate of 38.575%.

(c) AFUDC actual monthly rate is calculated using the formula M = {(1 + A/100)^{1/2-} 1] x 100; resulting in a monthly accrual rate of 0.005484 (Equity) and 0.001826 (Debt), which results in the annual rate of 8.848%.

Schedule T-3B

COMPANY:

CRYSTAL RIVER UNIT 3 UPRATE

Pre-Construction Costs and Carrying Costs on Construction Cost Balance True-up Filing: Construction Period Interest

[Section (5)(c)1.a.]

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION:

Provide the calculation of the Actual Construction Period Interest for the current

year.

For the Year Ended:

12/31/2006

Progress Energy - FL DOCKET NO.:

Witness: Will Garrett

		<u> </u>							
Line		(1)	(J)	(K)	(L)	(M)	(N)	(O)	(P)
No.		Beginning	Actual	Actual	Actual	Actual	Actual	Actual	12 Month
140.	······································	of Period	July	August	September	October	November	December	Total
					Jurisdiction	al Dollars			
1.	Beginning Belance		\$0	\$0	\$0	\$0	\$0	(\$19,244)	r√a
2.	Additions Site Selection & Preconstruction (Schedule T-2, line 1)		\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	Additions Construction (Schedule T-3, line 1)		\$0	\$0	\$0	\$0	(\$19,244)	(\$20,879)	(\$40,123)
4 .	Other Adjustments		\$0	\$0	\$0	\$0	\$0	\$0	
5.	Average Balance Eligible for CPI	. •	\$0	\$0	\$0	\$0	(\$9,622)	(\$29,684)	
6.	Monthly CPI Rate		0.0041529	0.0041529	0.0041529	0.0041529	0.0041529	0.0041529	
7.	Construction Period Interest for Tex (CPI)		\$0	\$0	\$0	\$0	\$0	\$0	\$0
8.	Ending Balance	\$0	\$0	\$0	\$0	\$0	(\$19,244)	(\$40,123)	(\$40,123)

CRYSTAL RIVER UNIT 3 UPPLATE
Pre-Construction Costs and Carrying Costs on Construction Cost Salence

[Section (5)(e)1.s.] (Section (8)(d))

Schedule T-6	struction Costs &	end Carrying (p Filing: Mont	Costs on Con	Struction Cost S	elence		·				[Section (5)(c)1 [Section (8)(d)]	.e.]	
PLOFICA PUBLIC SERVICE COMMISSION COMPANY: Progress Energy - FL	EX	PLANATION:		Provide the actual within Size Selector The prior year	ton. Preconstru	ction and Cons	r tesks perform truction categori	ed 64		For the Year E/	nded:	12/31/2004	
DOCKET NO.:													
-8										Witness:	Will Garrett		
	(A)	(B)	(C)	(50)	Æ		-/						
Cleticription	Actual January	Actual February	Actual March	Actual Apell	Actual Mary	(F) Actual June	(G) Actual July	(FI) Actual August	(1) Actual September	(J) Actual October	(K) Actual November	(L) Actual December	(NI) 12 Month Total
	vn below in Pre-Co	netruction.)											
Pos-Construction:													
Ucurue Assicution	\$0	\$0		_	_								
Engineering & Davigs	30	\$0	\$0 \$0	<u>50</u>	\$0	\$0 \$4	20	\$0 \$0	\$0	\$0	\$0	\$0	•
Parmitting	20 20	30	90 08	\$4 50	\$0 \$0	20	50 50 50	\$0	50	50	\$0	\$4 \$0 \$0	
Classing, Grading and Empression	\$0	\$0	\$0	\$6	40 30	\$0 \$0	30 30	\$0	\$0	\$0	\$0	\$ 0	
On-Site Continuation Facilities	<u></u>	40	50	***		10	30 20	\$0	50	\$0	\$0	\$0	
1 Total Generation Costs	\$6	\$6	\$10	\$40	\$0	\$0	\$0	\$0 \$0	\$0 \$0	\$0 \$0	49	\$0 \$0	
3 Jurisdictional Factor	0.93753	0.03783	0.93783	0.03763	0.93753	0.99753	0.93753	0,93753	0.93753	0.93753	0,93753	0.937\$3	
5 Yotal Antodictional Generation Costs	\$0	\$0 .	\$0	\$6	\$o	\$0	\$0	\$0	\$6	فؤ	\$a	\$0	
7 Transmission:													
5 Una Engineering	50	\$0	\$A \$4	\$0	\$0	\$0	\$0	50	\$0	50	\$0	\$0	
9 Substation Engineering 0 Cleaning	\$0	\$0	54	\$0	\$0	\$4	\$0	\$0	\$0	50	\$0	\$0	
0 Clearing 1 Other	\$0	\$0	\$0	50	\$0	\$0	\$0	\$0	30	\$0	\$0	\$0	
2 Total Transmission Cods	\$6 \$6	- \$0 \$0		<u></u>	\$0 \$0	\$0 \$0	\$0	\$0		<u>\$0</u>		<u>\$0</u>	
3 4 Jurisdicilhani Factor	0.70597	0.79697	0.70597		0.70567	0.70667	0.70607	0.70587	•-	0.70587		0,70567	
ti 6 Total Juris/Ictional Transmission Costs	\$6	\$0	\$0		\$0	<u> </u>	\$0	50	\$0	E	50	\$0	
7 8 Total Jurisdictional Preconstruction Costs	50	\$6	\$0	-	\$0			10	\$60	50	50	50	
e Genetrustice:							**						
1 Generation:													
2 Real Estate Acquisitions	\$0	\$0	\$0	\$0	so	\$0	\$0	\$0	\$0	Sa	30	\$0	
3 Project Management	50			50	\$9	\$10	\$0	\$0	\$6	30 30	120,852	197,005	\$132,6
4 Permanent Staff/Training	50 \$0	\$0 \$0	\$0 \$0 \$0 \$0	\$0 \$0	\$0	50	\$0	\$0		50 50	20,022 20	50,,550	9.02,0
5 Ste Preparation	50	50	\$0	\$0	\$0	\$0	šo	\$0	\$0	\$0	30	\$0	
On-Sile Communition Facilities Power Block Engineering, Pagarerment, etc.	\$0 \$0	\$0 \$0	\$0	\$0	\$0		50	S q	\$0	\$0	50	50	
	\$0	\$0	* B0	\$0 \$0	80	\$0 \$0	\$0	\$4	\$a	50	\$636,351	\$1,629,660	\$2,187,0
 Non-Power Mock Engineering, Procurement, etc. 	\$0 \$0	\$0 \$0	\$0 \$0		- \$0 \$0	<u> </u>	\$0	\$0 \$d		\$6 \$0	89	\$0	
9 Total Governion Coule Picte 1) 0 Less Adissimonis:	\$0	So	\$0	\$ 0 ***	\$0	\$0	\$0	\$d	\$0	\$0	\$674,003	\$1,625,670	\$2,299,1
0 <u>Lens Adhelmonts;</u> 1 Joint Owner Billing	50	\$0	\$0	\$0	\$0	30	\$0	30	50	Se	(\$55,386)	(\$133,020)	(\$109,6
Z Hon-Cash Accrusis	\$0	. 55	100			- - -	***	50	<u> </u>	\$4		(\$1,614,320)	(\$2,153.4
3 Net Generation Costs (Note 2)	\$0	\$0	\$40	\$0 \$0	\$0	<u> </u>	\$0	\$0	\$40	\$40	(\$20,528)	(\$22,270)	(\$42,7
5 Jurindintineal Factor	0 11757	0.93753	0.93793	0.03753	0,83753	0.93783	0.93753	0.83754	0.03753	0.93753	0.03753	0.83753	
5 7 Total Generation Costs Eligible for Carrying Costs	\$6	\$0	\$6	\$0	\$0	\$0	\$0	\$0	\$40	\$0	(\$19,244)	(\$20,879)	(\$40,1
i • <u>Totosmistes:</u>													
1 Line Engineering	\$0	\$0	\$0	\$0	\$0	\$0	. 80	80	50	\$o	\$0	\$0	
1 Substation Ringingering	\$0	ş.			\$0		\$6	\$4	\$0	50	\$4	\$4	
2 Rept Ephyle Acquibition	\$0	# 6	\$0 \$0	\$0	\$40	\$0	\$0	\$0	\$0	\$0	\$4	60	
3 Ling Construction	\$0	\$0	\$0	\$40	\$0	. 90	\$0	\$4 \$4	Į.o.	20	\$4 \$6	\$0	
4 Substation Construction	50	\$0	\$0	\$0	\$0	\$0	\$0		فلا	\$0	\$0	\$0	
5 Other 6 Total Transmission Code	\$0 \$0	<u>k</u>			- 50	- 5		- <u>50</u>		\$0	18	\$0 \$0	
7 4 Jurisdictional Pactor	0.70007	9,706#7	9,70007	0.70697	0,79597	0.70507	0.70507	0.70667	0.70597	8,70697	0.70897	g.70597	
to Total Juried Classes Transmission Codes	\$0	\$6	\$6		- 50	150	\$0	30	\$0	\$a	\$0	- 50	· · · · · · · · · · · · · · · · · · ·
11	- 50					· · · · · · · · · · · · · · · · · · ·	- 56						(\$40,
K2 Total Juried Internal Construction Costs	30	\$0	\$40	1.6		\$0		\$0			(31 U.244	(324,378)	(4-0,1

Note 1: Line 39 represents generation contraction casts on an access to both, ground fight cover billings.
Note 2: Line 43 represents not generative costs on a cash basis, not of joint cover billings.

Page 1 of 2

CRYSTAL RIVER UNIT 3 UPRATE Retail Revenue Requirements Summary

True-up Filing: Retail Revenue Requirements Summary

[Section (5)(c)1.a.]

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: Provide the calculation of the actual true-up of

total retail revenue requirements based on actual expenditures

for the current year and the previously filed expenditures for such current year.

For the Year Ended:

12/31/2007

COMPANY:

Schedule T-1

Progress Energy - FL

DOCKET NO.:

xxxxxxxx

Witness: Will Garrett

				(6)	450			
Line		(A) Actual	(B) Actual	(C) Actual	(D) Actual	(E) Actual	(F) Actual	(G) 6 Month
No.	<u> </u>	January	February	March Jurisdiction	April	May	June	Total
					in maint			
1.	Preconstruction Revenue Requirements (Schedule T-2, line 7)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.	Construction Carrying Cost Revenue Requirements (Schedule T-3, line 7)	\$8,124	\$18,847	\$21,350	\$24,968	\$32,574	\$40,694	\$148,547
3.	Recoverable O&M Revenue Requirements (Schedule T-4, line 24)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4.	DTA Carrying Cost (Schedule T-3A, line 8)	\$4	\$17	\$36	\$59	\$89	\$130	\$334
5.	Other Adjustments	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6.	Total Period Revenue Requirements (Lines 1 shough 5)	\$8,128	\$18,864	\$21,386	\$25,017	\$32,663	\$40,824	\$148,582
7.	Total Return Requirements from most recent Projections	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8.	Ofference (Line 6 - Line 7)	\$6,128	\$18,864	\$21,386	\$25,017	\$32,663	\$40,824	\$146,882

EXHIBIT 4 Page 2 of 2

Difference (Line 6 - Line 7)

CRYSTAL RIVER UNIT 3 UPRATE Retail Revenue Requirements Summery

Retail Revenue Requirements Summery

\$46,408 \$69,126 \$98,061 \$131,541 \$171,679 \$265,199 \$928,896

(Section (5)(c)1.a.]

Sched	ule T-1	True-up Filing:	Retail Reven	ue Requir	ments Sum	mary				
COMP	DA PUBLIC SERVICE COMMISSION ANY: Progress Energy - FL ET NO.: 20000004-EI	EXPLANATION	total retail re	rvenue requ int year and	of the actual drements bas I the previous	ed on actua		ės	For the Yea	r Ended: 12/31/2007 Will Garreti
Line No			(H) Actual July	(i) Actual August	(J) Actual September	(K) Actual October	(L) Actual November	(M) Actual December	(N) 12 Month Total	
					Jurisdictio	onal Dollar	*		-	
1.	Praconstruction Revenue Requirements (Schedule T-2, line 7)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2.	Construction Carrying Cost Revenue Requirements (Schedule T-	3, line 7)	\$46,230	\$68,684	\$97,726	\$131,079	\$171,049	\$264,327	\$925,842	
3,	Recoverable OSM Revenue Requirements (Schedule T-4, line 24	I)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	•
4.	DTA Carrying Cost (Schedule T-3A, line 8)		\$178	\$2 42	\$3 35	\$462	\$630	\$872	\$3,053	1
6,	Other Adjustments		\$0	\$0	\$0	\$0	\$0	\$0	\$0	1
6.	Total Period Revenue Requirements (Lines 1 though 5)		\$46,408	\$69,126	\$98,081	\$151,541	\$171,679	\$265,198	\$928,895	
7.	Total Return Requirements from most recent Projections		\$0	\$0	\$0	\$0	\$0	\$0	\$0	1

EXHIBT 5 Page 1 of 2

Schedule T-3

COMPANY:

CRYSTAL RIVER UNIT 3 UPRATE Pre-Construction Costs and Carrying Costs on Construction Cost Balance True-up Filing: Carrying Costs

[Section (5)(c)1.a.]

Witness:

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION:

Provide the calculation of the final true-up of carrying costs

on construction expenditures, based on actual carrying costs on construction expenditures for the prior year and previously

filed carrying costs on construction expenditures for such prior year.

For the Year Ended: 12/31/2007

\$146,547

Will Garrett

Progress Energy - FL DOCKET NO.:

xxxxxxx-El

Line No.		(A) Beginning of Period	(B) Actual January	(C) Actual February	(D) Actual March	(E) Actual April	(F) Actual May	(G) Actual June	(H) 6 Month Total	
					Jurisdictions	l Dollars				
1.	Nuclear CWIP Additions (Schedule T-6, line 62)	(\$40,123)	\$1,624,534	\$402,817	\$47,640	\$609,396	\$804,898	\$894,858	\$4,183,943	
2.	Transfers to Plant in Service		\$0	\$0	\$0	\$0	\$0	\$0	\$0	
3.	Other Adjustments		\$0	\$5,475	\$12,700	\$14,387	\$16,818	\$21,951	\$71,331	
4.	CWIP Base Eligible for Return (Prior Mo Balance + Line 1 - 2 + 3)		\$1,584,411	\$1,992,703	\$2,063,043	\$2,676,826	\$3,498,342	\$4,215,151	\$4,255,274	\$4,215,151
5.	Average Net CWIP Additions		\$772,144	\$1,791,295	\$2,029,223	\$2,372,128	\$3,095,993	\$3,867,722	n/a	
6.	Return on Average Net CWIP Additions (c)									
a	Equity Component (Line 5 x 6.819% x 1/12) (a)		\$4,219	\$9,788	\$11,088	\$12,961	\$16,917	\$21,133	\$76,105	
b	Equity Comp. grossed up for taxes (Line 8a x 1.628002) (b)		\$6,889	\$15,934	\$18,051	\$21,101	\$27,540	\$34,405	\$123,900	
c	. Debt Component (Line 5 x 2.029% x 1/12)		\$1,258	\$2,913	\$3,300	\$3,857	\$5,034	\$6,28 9	\$22,648	
7.	Total Return Requirements (Line 6b + 6c)		\$8,124	\$18,847	\$21,350	\$24,958	\$32,574	\$40,694	\$148,547	
8.	Total Return Requirements from most recent Projections		\$0	\$0	\$0	\$0	\$0	\$0	\$0	

Difference (Line 7 - Line 8)

\$18,847

\$21,350

\$24,958

\$32,574

\$40,694

\$8,124

⁽a) The monthly Equity Component of 6.85% reflects an 11.75% return on equity.

⁽b) Requirement for the payment of income taxes is calculated using a Federal income Tax rate of 38.575%.

⁽c) AFUDC actual monthly rate is calculated using the formula M = [(1 + A/100)^{1/12}- 1] x 100; resulting in a monthly accrual rate of 0.005484 (Equity) and 0.001626 (Debt), which results in the annual rate of 8.848%.

EXHIBT 5 Page 2 of 2

CRYSTAL RIVER UNIT 3 UPRATE

Pre-Construction Costs and Carrying Costs on Construction Cost Balance True-up Filing: Carrying Costs

[Section (5)(c)1.a.]

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION:

Provide the calculation of the final true-up of carrying costs.

on construction expenditures, based on actual carrying costs on construction expenditures for the prior year and previously

filed carrying costs on construction expenditures for such prior year.

For the Year Ended: 12/31/2007

COMPANY:

Schedule T-3

Progress Energy - FL

DOCKET NO .:

XXXXXX-El

Witness:

Will Garrett

Line No.		(I) Beginning of Period	(J) Actual July	(K) Actual August	(i.) Actual September	(M) Actual October	(N) Actual November	(O) Actual December	(P) 12 Month Total	
					Jurisdiction	al Dollars				
1.	Nuclear CWIP Additions (Schedule T-8, line 62)	\$4,215,151	\$302,610	\$3,941,418	\$1,448,364	\$4,759,936	\$2,681,121	\$14,839,438	\$32,138,826	
2.	Transfers to Plant in Service		\$0	\$0	\$0	\$0	\$0	\$0	\$0	
3.	Other Adjustments	•	\$27,422	\$31,153	\$46,419	\$65,854	\$88,330	\$115,264	\$445,772	
4.	CWIP Base Eligible for Return (Prior Mo Balance + Line 1 - 2 + 3)		\$4,545,183	\$8,517,752	\$10,012,534	\$14,838,325	\$17,587,775	\$32,542,475	\$32,582,598	\$32,542,475
5.	Average Net CWIP Additions		\$4,393,878	\$6,547,044	\$9,288,352	\$12,458,357	\$16,257,215	\$25,122,757	n/e	
6.	Return on Average Net CWIP Additions (c)									
8.	. Equity Component (Line 5 x 6.819% x 1/12) (a)		\$24,008	\$35,773	\$50,752	\$68,072	\$88,829	\$137,271	\$480,811	
b.	. Equity Comp. grossed up for taxes (Line 6a x 1.828002) (b)		\$39,085	\$58,239	\$82,624	\$110,822	\$144,814	\$223,477	\$782,761	
C.	Debt Component (Line 5 x 2.029% x 1/12)		\$7,144	\$10,645	\$15,103	\$20,257	\$26,434	\$40,850	\$143,082	
7.	Total Return Requirements (Line 6b + 6o)		\$46,229	\$68,884	\$97,726	\$131,079	\$171,049	\$264,327	\$925,842	
8.	Total Return Requirements from most recent Projections		\$0	\$0	\$0	\$0	\$0	\$0	\$0	
9.	Difference (Line 7 - Line 8)		\$46,230	\$68,884	\$97,726	\$131,079	\$171,049	\$264,327	\$925,842	

Notes:

⁽a) The monthly Equity Component of 6.85% reflects an 11.75% return on equity.

⁽b) Requirement for the payment of income taxes is calculated using a Federal income Tax rate of 38.575%.

⁽c) AFUDC actual monthly rate is calculated using the formula M = {(1 + A/100)^{M2-1}] x 100; resulting in a monthly accrual rate of 0.005484 (Equity) and 0.001626 (Debt), which results in the annual rate of 8.848%.

EXHIBIT 6 Page 1 of 2

CRYSTAL RIVER UNIT 3 UPRATE

Pre-Construction Costs and Carrying Costs on Construction Cost Balance
True-up Filing: Befored Tax Carrying Costs

[Section (5)(c)1.a.]

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION:

Provide the calculation of the Actual deferred tax Carrying Costs for the current

For the Year Ended:

12/31/2007

Progress Energy - FL DOCKET NO.:

Schedule T-3A

COMPANY:

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Witness: Will Garrett

Line No.		(A) Beginning of Period	(B) Actual January	(C) Actual February	(D) Actual March	(E) Actual April	(F) Actual May	(G) Actual June	(H) 6 Month Tatal
					Jurisdiction				1040
1.	Construction Period Interest (Schedule T-3B, Line 7)		\$3,207	\$7,416	\$8,352	\$9,716	\$14,017	\$17,496	\$60,174
2.	Recovered Costs Excluding AFUDC (Schedule T-2, Line 1+ Line 3)		\$0	\$0	\$0	\$0	\$0	\$0	\$0
3.	Other Adjustments	•	(\$1,256)	(\$2,913)	(\$3,300)	(\$3,657)	(\$5,034)	(\$8,289)	(\$22,649)
4.	Tax Basis Less Book Basis (Prior Mc Balance + Line 1 + 2 + 3)	\$0	\$1,951	\$6,455	\$11,507	\$17,366	\$26,349	\$37,526	\$37,526
5.	Deferred Tax Asset (DTA) on Tax Basis in Excess of Book (Line 4 * Tax Rate)	\$0	\$753	\$2,490	\$4,439	\$6,689	\$10,164	\$14,476	n/e
6.	Average Accumulated DTA		\$376	\$1,621	\$3,464	\$5,589	\$8,431	\$12,320	
7.	Carrying Costs on DTA (c)								
	i. Equity Component (Line 6 x 6.818% x 1/12) (a)		\$2	\$9	\$19	\$30	\$48	\$67	\$174
1	p. Equity Comp. grossed up for taxes (Line 7s x 1.628002) (b)		\$3	\$14	\$31	\$50	\$75	\$110	\$283
•	:. Debt Component (Line 6 x 2.029% x 1/12)		\$1	\$3	\$6	\$8	\$14	\$20	\$52
8.	Total Return Requirements (Line 7s + 7c)		\$4	\$17	\$36	\$59	\$69	\$130	\$334
P.	Total Return Requirements from most recent Projections		\$0	\$0	\$0	\$0	\$0	\$0	\$0
10.	Difference (Line 8 - Line 9)		\$4	\$17	\$36	\$59	\$80	\$130	\$334

⁽a) The monthly Equity Component of 6.85% reflects an 11.75% return on equity.
(b) Requirement for the payment of income taxes is calculated using a Federal Income Tax rate of 35.575%.

⁽c) AFUDC actual monthly rate is calculated using the formula M = [(1 + A/100)^{1/2}, 1] x 100; resulting in a monthly accrual rate of 0.005484 (Equity) and 0.001626 (Debt), which results in the annual rate of 8.848%.

Page 2 of 2

CRYSTAL RIVER UNIT 3 UPRATE

Pre-Construction Costs and Carrying Costs on Construction Cost Balance
True-up Filing: Deferred Tax Carrying Costs

[Section (5)(c)1.e.]

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION:

Provide the calculation of the Actual deferred tax Carrying Costs for the current

\$335

\$462

\$830

For the Year Ended:

\$872

\$3,053

Witness: Will Garrett

12/31/2007

COMPANY:

Schedule T-3A

Progress Energy - FL

DOCKET NO .:

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Line		(1)	(1)	(K)	(L)	(M)	(N)	(O)	(P)
No.		Beginning of Period	Actual July	Actual August	Actual September	Actual October	Actual	Actual	12 Month
		OF FIRMU	July	~wgust	Jurisdictio			December	Total
1. Cons	nstruction Period Interest (Schedule T-39, Line 7)		\$19,761	\$29,524	\$41,923	\$56,204	\$73,276	\$113,534	\$394,395
2. Reco	covered Costs Excluding AFUDC (Schedule T-2, Line 1+ Line 3)		\$0	\$0	\$0	\$0	\$0	\$0	\$0
3. Othe	ner Adjustments		(\$7,144)	(\$10,845)	(\$15,103)	(\$20,267)	(\$26,434)	(\$40,850)	(\$143,082)
4. Tax E	r Bests Lees Book Basis (Prior Mo Betance + Line 1 + 2 + 3)	\$37,520	\$50,143	\$69,021	\$95,841	\$131,788	\$178,629	\$251,314	\$251,314
5. Defe	ferred Tax Asset (DTA) on Tax Basis in Excess of Book (Line 4 * Tax Rate)	\$14,476	\$19,343	\$26,625	\$38,971	\$50,837	\$68,906	\$96,944	n/a
5. Aven	eringe Accumulated DTA		\$16,910	\$22,964	\$31,798	\$43,904	\$59,872	\$82,925	
7. Carry	nying Costs on DTA (c)								
a. Equi	uity Component (Line 6 x 6.819% x 1/12) (a)		\$92	\$126	\$174	\$240	\$327	\$453	\$1,588
b. Equi	uily Comp. grossed up for taxes (Line 7s x 1.626002) (b)		\$150	\$204	\$283	\$391	\$533	\$736	\$2,581
c. Debt	bt Component (Line 5 x 2.029% x 1/12)		\$27	\$37	\$52	\$7 1	307	\$135	\$472
8. Total	tal Return Requirements (Line 7b + 7c)		\$178	\$242	\$335	\$462	\$630	\$872	\$3,053
9. Total	tal Return Requirements from most recent Projections		\$0	\$0	\$0	\$0	\$0	\$0	\$0

\$178

Difference (Line 8 - Line 9)

⁽a) The monthly Equity Component of 6.86% reflects an 11.75% return on equity.

(b) Requirement for the payment of income taxes is calculated using a Federal Income Tax rate of 38.575%.

(c) AFUDC actual monthly rate is calculated using the formula M = [(1 + A/100)^(1/3) 1] x 100; resulting in a monthly accrual rate of 0.005484 (Equity) and 0.001626 (Dobx), which results in the annual rate of 6.848%.

EXHIBIT 7 Page 1 of 2

CRYSTAL RIVER UNIT 3. UPRATE
Pre-Construction Costs and Carrying Costs on Construction Cost Balance
True-up Filling: Construction Period Interest

(Section (5)(c)1.a.]

Witness:

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION:

Provide the calculation of the Actual

Construction Period Interest for the current

COMPANY:

Schedule T-3B

Progress Energy - FL

For the Year Ended:

Will Garrett

12/31/2007

DOCKET NO.:

XXXXXX-E

(A) Beginning (H) 6 Month (B) (C) (D) (E) Actual (F) (G) Line Actual Actual Actual Actual Actual No. of Period January February March April May June Total Jurisdictional Dollars 1. Beginning Balance (\$40,123) \$1,584,411 \$1,987,228 \$2,034,868 \$2,644,264 \$3,448,982 n/e 2. Additions Site Selection & Preconstruction (Schedule T-2, line 1) 50 \$0 \$0 \$0 Additions Construction (Schedule T-3, line 1) 3. \$1,624,534 \$402,817 \$47,640 \$609,396 \$804,898 \$694,858 \$4,183,943 4. Other Adjustments 50 \$0 \$0 \$0 \$0 \$0 5. Average Balance Eligible for CPI \$772,144 \$1,785,820 \$2,011,048 \$2,339,588 \$3,048,813 \$3,798,391 6. Monthly CPI Rate 0.0041529 0.0041529 0.0041529 0.0041529 0.0046008 0.0046008 7. Construction Period Interest for Tax (CPI) \$3,207 \$7,416 \$8,352 \$9,716 \$14,017 \$17,466 \$60,174 Ending Balance Extuding CPI (\$40,123) \$1,584,411 \$1,987,228 \$2,034,868 \$2,644,264 \$3,448,962 \$4,143,820 \$4,143,820

Page 2 of 2

Schedule T-3B

CRYSTAL RIVER UNIT 3 UPRATE

Pre-Construction Costs and Carrying Costs on Construction Cost Balance
True-up Fiting: Construction Period Interest

[Section (5)(c)1.a.]

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION:

Provide the calculation of the Actual

Construction Period Interest for the current

COMPANY:

Progress Energy • FL DOCKET NO.:

year.

For the Year Ended:

12/31/2007

xxxxxxxxxEi

Witness:

Will Garrett

Line		(i) Beginning		(K) Actual	(L) Actual	(M) Actual	(N) Actual	(O) Actual	(P) 12 Month
No.		of Period	July	August	September Jurisdiction	October nal Dollars	November	December	Total
1.	Beginning Belance		\$4,143,820	\$4,446,430			\$14,598,146	\$17,257,267	n/a
2.	Additions Site Selection & Preconstruction (Schedule T-2, line 1)		\$0	\$0	\$0			•	\$0
3.	Additions Construction (Schedule T-3, line 1)		\$302,610	\$3,941,416	\$1,448,364	\$4,759,938	\$2,661,121	\$14,839,436	\$32,136,826
4.	Other Adjustments		\$0	\$0	\$0	\$0	\$0	\$0	
5.	Average Balance Eligible for CPI		\$4,295,125	\$6,417,138	\$9,112,028	\$12,216,178	\$15,926,707	\$24,676,985	
€.	Monthly CPI Rate		0.0046008	0.0046008	0.0046008	0.0048006	0.0046008	0.0046008	
7.	Construction Period Interest for Tax (CPI)		\$19,781	\$29,524	\$41,923	\$56,204	\$73,276	\$113,534	\$394,395
8.	Ending Balance Educing CPI	\$4,143,820	\$4,446,430	\$8,387,846	\$9,836,210	\$14,596,146	\$17,257,267	\$32,096,703	\$32,491,098

CRYSTAL RIVER UNIT 3 UPRATE [Section (5)(c)1.a.] [Section (5)(d)] Pre-Construction Costs and Carrying Costs on Construction Cost Selance
True-up Filing: Monthly Expenditures Schoolste T-8 FLORIDA PUBLIC SERVICE COMMISSION EXPLANATION: Provide the actual monthly expanditures by major tasks performed within Site Selection, Preconstruction and Construction categories COMMANY. 12/31/2007 For the Year Ended: Propress Energy - FL DOCKET NO W/10-(A) Actual (E) Actual May (F) (G) Actual July (H) Actual (L) Actual April Action 12 Month Description Actual February October November Decembe Total (Site Selection may include the same costs as alreas below in Pre-Constituction.) Pro-Construction: Controller: License Applic 10 10 10 20 EP 42 2444825 \$40 \$40 \$40 \$0 \$0 \$0 \$0 *** \$0 \$0 \$0 \$0 \$0 \$0 30 80 \$0 \$0 2222 Engineering & Design On-Sin Construction Facilities 11 0.83783 0.93763 0.07753 0.93753 0.93753 0.83753 0.93763 0.93753 0.03753 r. 84763 B 877751 0.0303 **Total Jurisdictional Generation Costs** Ša 18 Line Engine Substation i \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 -\$0 \$0 90 50 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 30 Classing 22 23 24 25 24 27 28 0.70697 6,70597 9.700EF 0.79597 0.70587 0.70007 0.70507 0.70697 0.70597 0.79567 6.70567 0.7pss7 **Total Juristictional Transmission Costs** Total Jurisdictional Processoration Costs 29 Concessor:
Real Estate Acquisitor 20 \$0 \$2,320,617 Real Estate Acquisitions
Project Management
Permanent Staff Training
She Proporation
Co-Sile Construction Facilities \$67,186 \$0 \$0 \$0 \$24,452 \$41,095 \$131,129 \$337,405 \$228,422 \$201,864 \$115,341 \$241,656 \$312,761 \$84,274 \$444,032 50 50 \$10 \$40 \$0 \$359,200 \$0 \$0 \$2.007.133 \$3.005.306 United Code Engineering, Proterroment, etc., Poster Block Engineering, Procurement, etc., Not-Power Block Engineering, Procurement, e Total Generation Code, Plote 1) Less Addressessing \$305,477 (\$200,310) 3439,185 (\$49,578) 10.743.924 \$9,026,056 \$4,097,006 E35 200 200 \$0 \$372,663 \$570.234 \$4,356,470 \$0,124,930 \$0 \$0 \$0,944.715 \$30,520.919 \$4,108,901 625 (315) 39 40 3175.043 Joint Dorter Million (\$30,676) \$20,705 (\$96,654) (\$826.500) (3750 014) (\$465.075) (\$3.133.543) (\$44 H78) (867.257) (\$14,710) (\$362 221) \$105,442 (\$821 A86) Non-Cash Accruets
Net Generation Costs Note 21 \$1,390,797 \$218,964 858,317 \$576,631 (\$3,074,476) \$322,773 (\$1,840,502) \$1,544,873 \$4,152,563) \$5,077,102 (\$6,534,477) \$10,338,485 (\$1,109,190) \$15,824,226 \$34,276,183 AutoBiglional Factor 0.03763 0.01753 0.93793 0.83753 0.43753 4 93753 0.01753 0.01763 0.93753 9.90753 # #2753 0.01763 44 \$14,639,436 \$32,136,426 Total Generation Costs Eligible for Certyling Costs \$1,524,534 \$402.817 L47 840 1000 EIGA RAIL \$100 810 \$3.041.414 \$1441344 54,759,934 \$2.681,121 teou ace 44 60 11 52 52 54 55 66 75 55 55 \$0 \$0 \$0 Line Engl \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ 22 S \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 50 \$0 \$0 20 50 -0.70697 0.70667 0.70647 0.70547 0.70567 0.70547 0.73397 m 70597 0.706m7 g 20842 0.70007 0.70687 \$1,424,534 \$47,640 2404,354 \$3,641,416 \$1,448,364 \$4,759,636 \$2,661,121 \$407.E17 \$302,810 فقة بالعا

Note 11: Line 35 represents generation contraction costs on an accruait basis, gross of joint owner billings and excludes APUIDC. Note 21: Line 43 represents not generation costs on a cash basis, not of joint owner billings.

Page 1 of 1