

**Plant name:** Crystal River Nuclear Plant, Unit 3

**Docket Number:** 50-302

1 The minimum financial assurance (MFA) estimate pursuant to 10 CFR 50.75(b) & (c): \$435.7million  
 Did the licensee identify the amount of estimated radiological funds? (Y/N) Y

2 The total amount of dollars accumulated at the end of the appropriate year: (see below)

Licensee:	% Owned:	Category:	Amount in Trust Fund:
Progress Energy Florida, Inc.	91.78%	2	\$553,504,101
City of Alachua	0.0779%	1	\$554,660
City of Bushnell	0.0388%	1	\$273,499
City of Gainesville	1.4079%	1	\$9,724,974
City of Kissimmee	0.6754%	1	\$4,939,881
City of Leesburg	0.8244%	1	\$5,712,416
City of New Smyrna Beach	0.5608%	1	\$2,660,772
City of Ocala	1.3333%	1	\$9,203,181
Orlando Utilities Commission	1.6015%	1	\$12,345,391
Seminole Electric Cooperative, Inc.	1.6994%	1	\$9,610,461

Total Trust Fund Balance \$608,529,336

3 Schedule of the annual amounts remaining to be collected: (provided/none) none

4 Assumptions used in determining rates of escalation in decommissioning costs, rates of earnings on decommissioning funds, and rates of other factors used in funding projections: (see below)

Rate of Return on Earnings	Escalation Rate	Rate(s) of Other Factors	Real Rate of Return	PUC Verified (Y/N)	Allowed through Decom (Y/N)	RAI Needed (Y/N)	Post-RAI		
							PUC Verified (Y/N)	Allowed through Decom (Y/N)	Rates Determined (Y/N)
variable <sup>1</sup>	variable <sup>1</sup>		variable <sup>1</sup>	N	N	Y	N	N	Y

5 Any contracts upon which the licensee is relying? (Y/N) N

6 Any modifications to a licensee's method of providing decommissioning funding assurance? (Y/N) N

7 Any material changes to trust agreements? (Y/N) Y<sup>2</sup>

If a change has occurred, the reviewer will document on this sheet that a change has occurred and identify the reviewer who will evaluate the change: (see below)

<sup>1</sup> Rates provided are variable because the rates are not consistent throughout the licensee(s) and/or years of operation/decommission

<sup>2</sup> Effective 2/16/2010, Progress Energy Service Company, LLC engaged Watson Wyatt Investment Consulting, Inc., a Tower Watson company as its new investment advisor. Towers Watson Advises Progress Energy on its trust investments including its nuclear decommissioning trusts.

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**Termination of Operations:** 12      3      2016

BWR/PWR	MWth	1986\$	ECI	Base Lx	Lx	Px	Latest Month Px	Base Px	Fx	Latest Month Fx	Base Fx	Ex	Bx			
PWR	2609	\$97,959,200	112.8	1.98	0.65	2.23	1.676	191.4	114.2	3.049	250.0	82.0	0.13	2.253	0.22	12.28

**NRC Minimum:** \$435,543,290      **Site Specific:**

Licensee:	% Owned:	Category	Amount of NRC Minimum/Site Specific:	Amount in Trust Fund:
Progress Energy Florida, Inc.	91.7806%	2	\$399,744,245	\$553,504,101
City of Alachua	0.0779%	1	\$339,288	\$554,660
City of Bushnell	0.0388%	1	\$168,991	\$273,499
City of Gainesville	1.4079%	1	\$6,132,014	\$9,724,974
City of Kissimmee	0.6754%	1	\$2,941,659	\$4,939,881
City of Leesburg	0.8244%	1	\$3,590,619	\$5,712,416
City of New Smyrna Beach	0.5608%	1	\$2,442,527	\$2,660,772
City of Ocala	1.3333%	1	\$5,807,099	\$9,203,181
Orlando Utilities Commission	1.6015%	1	\$6,975,226	\$12,345,391
Seminole Electric Cooperative, Inc.	1.6994%	1	\$7,401,623	\$9,610,461
			Total Fund Balance:	\$608,529,336

**Step 1:  
Earnings Credit:**

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$608,529,336	2%	5.92	\$684,262,612	YES

**Step 2:  
Accumulation:**

Value of Annuity per year (amount/See Annuity Sheet)	Real Rate of Return per year	Number of Annual Payments:	Total Annuity:
\$0	2%	0	\$0

  

Total Annuity	Real Rate of Return per year	Years remaining after annuity	Total Step 2:
\$0	2%	5.92	\$0

Total Step 1 + Step 2	Does Licensee Pass:
\$684,262,612	YES

**Step 3:  
Decom Period:**

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$684,262,612	2%	7	\$50,870,022

Total of Steps 1 thru 3:	Does Licensee Pass:	Shortfall:
\$735,132,634	YES	NO

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If licensee is granted greater than 2% RRR

**Step 4:**

**Earnings Credit:**

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$553,504,101	2.00%	5.92	\$622,389,324	YES

**Step 5:**

**Accumulation:**

Value of Annuity per year	Real Rate of Return per year	Number of Annual Payments:	Total Annuity:
\$0	2.00%	0	\$0

Total Annuity	Real Rate of Return per year	Years remaining after annuity	Total Step 5
\$0	2.00%	5.92	\$0

Total Step 4 + Step 5	Does Licensee Pass:
\$622,389,324	YES

**Step 6:**

**Decom Period:**

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$622,389,324	2.00%	7	\$46,270,186

Total of Steps 4 thru 6:	Does Licensee Pass:	Shortfall:
\$668,659,510	YES	NO