

Plant name: **Robinson (H.B.) Plant, Unit 2**

Docket Number: **50-261**

1 The minimum financial assurance (MFA) estimate pursuant to 10 CFR 50.75(b) & (c): \$425,100,000
 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 Carolina	100.00%	1	\$311,666,147

Total Trust Fund Balance **\$311,666,147**

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

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 ¹	3.00%		variable ¹	Y	N	N	Y	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) Y²

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)

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

² 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: **7 31 2030**

BWR/PWR	MWth	1986\$	ECI	Base Lx		Lx	Px	Latest Month Px	Base Px	Fx	Latest Month Fx	Base Fx		Ex		Bx
PWR	2339	\$95,583,200	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: **\$424,979,189** **Site Specific:**

Licensee:	% Owned:	Category	Amount of NRC Minimum/Site Specific:	Amount in Trust Fund:
Progress Energy Carolina	100.00%	1	\$424,979,189	\$311,666,147
			Total Fund Balance:	\$311,666,147

Step 1:
Earnings Credit:

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$311,666,147	2%	19.58	\$459,313,978	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:
see annuity sheet	See Annuity Sheet		See Total Step 2
Total Annuity	Real Rate of Return per year	Years remaining after annuity	Total Step 2:
See Total Step 2	See Annuity Sheet	N/A	\$292,630,385
Total Step 1 + Step 2			Does Licensee Pass:
\$751,944,363			YES

Step 3:
Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$751,944,363	2%	7	\$55,901,675

Total of Steps 1 thru 3:	Does Licensee Pass:	Shortfall:
\$807,846,038	YES	NO

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If licensee is granted greater than 2% RRR

**Step 4:
Earnings Credit:**

Type of Fund	Trust Fund Balance:	Real Rate of Return	Years Left in	Total Earnings:	Does Licensee Pass:
North Carolina Qualified Fund	\$210,026,568	3.00%	19.58	\$524,478,111	YES
All Others	\$101,639,579	2.00%			

**Step 5:
Accumulation:**

Value of Annuity per year	Real Rate of Return per year	Number of Annual Payments:	Total Annuity:
see annuity sheet	See Annuity Sheet	0	See Total Step 4
Total Annuity	Real Rate of Return per year	Years remaining after annuity	Total Step 5
See Total Step 4	See Annuity Sheet	N/A	\$301,798,659
Total Step 4 + Step 5			Does Licensee Pass:
\$826,276,770			YES

**Step 6:
Decom Period:**

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:	
\$826,276,770	2.00%	7	\$61,427,757	
Total of Steps 4 thru 6:			Does Licensee Pass:	Shortfall:
\$887,704,526			YES	NO

ANNUITY

Termination of Operations: 7 31 2030

Year	Annuity:	Real Rate of Return:	Total Accumulation
2011	\$16,827,577	2%	\$24,800,210
2012	\$15,543,519	2%	\$22,458,614
2013	\$15,543,519	2%	\$22,018,249
2014	\$15,543,519	2%	\$21,586,519
2015	\$15,543,519	2%	\$21,163,254
2016	\$15,543,519	2%	\$20,748,288
2017	\$15,543,519	2%	\$20,341,459
2018	\$9,668,420	2%	\$12,404,752
2019	\$9,668,420	2%	\$12,161,521
2020	\$9,668,420	2%	\$11,923,060
2021	\$9,668,420	2%	\$11,689,275
2022	\$9,668,420	2%	\$11,460,073
2023	\$9,668,420	2%	\$11,235,366
2024	\$9,668,420	2%	\$11,015,065
2025	\$9,668,420	2%	\$10,799,083
2026	\$9,668,420	2%	\$10,587,336
2027	\$9,668,420	2%	\$10,379,741
2028	\$9,668,420	2%	\$10,176,217
2029	\$9,668,420	2%	\$9,976,683
2030	\$5,639,912	2%	\$5,705,620

Total: \$292,630,385

ANNUITY

Termination of Operations: 7 31 2030

If licensee is granted greater than 2% RRR

Year	Annuity:	Real Rate of Return:	Total Accumulation	Year	Annuity:	Real Rate of Return:	Total Accumulation	Year	Annuity:	Real Rate of Return:	Total Accumulation
North Carolina Qualified				North Carolina NonQualified				South Carolina and Wholesale			
2011	\$11,914,511	3.00%	\$21,256,531	2011	\$72,883	2.00%	\$107,414	2011	\$3,556,125	2.00%	\$5,240,959
2012	\$4,000,230	3.00%	\$6,928,894	2012	\$7,987,164	2.00%	\$11,540,542	2012	\$3,556,125	2.00%	\$5,138,195
2013	\$2,878,980	3.00%	\$4,841,505	2013	\$9,108,414	2.00%	\$12,902,569	2013	\$3,556,125	2.00%	\$5,037,447
2014	\$2,878,980	3.00%	\$4,700,490	2014	\$9,108,414	2.00%	\$12,649,578	2014	\$3,556,125	2.00%	\$4,938,673
2015	\$2,878,980	3.00%	\$4,563,583	2015	\$9,108,414	2.00%	\$12,401,547	2015	\$3,556,125	2.00%	\$4,841,836
2016	\$2,878,980	3.00%	\$4,430,663	2016	\$9,108,414	2.00%	\$12,158,379	2016	\$3,556,125	2.00%	\$4,746,898
2017	\$2,878,980	3.00%	\$4,301,614	2017	\$9,108,414	2.00%	\$11,919,979	2017	\$3,556,125	2.00%	\$4,653,822
2018	\$2,878,980	3.00%	\$4,176,325	2018	\$5,000,452	2.00%	\$6,415,667	2018	\$1,788,988	2.00%	\$2,295,303
2019	\$2,878,980	3.00%	\$4,054,684	2019	\$5,000,452	2.00%	\$6,289,870	2019	\$1,788,988	2.00%	\$2,250,297
2020	\$2,878,980	3.00%	\$3,936,586	2020	\$5,000,452	2.00%	\$6,166,539	2020	\$1,788,988	2.00%	\$2,206,173
2021	\$2,878,980	3.00%	\$3,821,929	2021	\$5,000,452	2.00%	\$6,045,627	2021	\$1,788,988	2.00%	\$2,162,915
2022	\$2,878,980	3.00%	\$3,710,610	2022	\$5,000,452	2.00%	\$5,927,085	2022	\$1,788,988	2.00%	\$2,120,505
2023	\$2,878,980	3.00%	\$3,602,534	2023	\$5,000,452	2.00%	\$5,810,868	2023	\$1,788,988	2.00%	\$2,078,927
2024	\$2,878,980	3.00%	\$3,497,606	2024	\$5,000,452	2.00%	\$5,696,929	2024	\$1,788,988	2.00%	\$2,038,163
2025	\$2,878,980	3.00%	\$3,395,734	2025	\$5,000,452	2.00%	\$5,585,224	2025	\$1,788,988	2.00%	\$1,998,199
2026	\$2,878,980	3.00%	\$3,296,829	2026	\$5,000,452	2.00%	\$5,475,710	2026	\$1,788,988	2.00%	\$1,959,019
2027	\$2,878,980	3.00%	\$3,200,805	2027	\$5,000,452	2.00%	\$5,368,343	2027	\$1,788,988	2.00%	\$1,920,607
2028	\$2,878,980	3.00%	\$3,107,578	2028	\$5,000,452	2.00%	\$5,263,082	2028	\$1,788,988	2.00%	\$1,882,948
2029	\$2,878,980	3.00%	\$3,017,066	2029	\$5,000,452	2.00%	\$5,159,884	2029	\$1,788,988	2.00%	\$1,846,027
2030	\$1,679,405	3.00%	\$1,708,694	2030	\$2,916,930	2.00%	\$2,950,914	2030	\$1,043,577	2.00%	\$1,055,735
Total: \$95,550,259				Total: \$145,835,750				Total: \$60,412,650			
				Total: \$301,798,659							