

<sup>1</sup> Rates provided are variable because the rates are not consistent throughout the funds of the licensee

<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.

Signature: Aaron L. Szabo Date: 7/26/2011 Signature: Jo Ann Simpson Date: 8/10/2011

Month:DayYear:Date of Operation:12312010
Date of Operation:12312010
Termination of Operations:12272034

BWR/PWR	<u>MWth</u>	<u>1986\$</u>	ECI	Base Lx		Lx	Px	Latest Month Px	Base Px	Fx	Latest Month Fx	Base Fx		<u>Ex</u>		<u>Bx</u>
BWR	2923	\$130,307,000	112.8	1.98	0.65	2.23	1.676	191.4	114.2	3.049	250.0	82.0	0.13	2.307	0.22	12.54

NRC Minimum:

\$587,750,866

Site Specific:

			Amount of NRC Minimum/Site		
Licensee:	% Owned:	Category	Specific:	<b>Amount in Trust Fund:</b>	
Progress Energy Carolinas, Inc.	81.67%	1	\$480,016,132	\$247,040,027	
North Carolina Eastern Municipal Power Agency	18.33%	1	\$107,734,734	\$87,015,018	
		-	Total Fund Balance:	\$334,055,045	

Step 1: Earnings Credit:

C	Real Rate of Return	Years Left		
Trust Fund Balance:	per year	in License	Total Earnings:	Does Licensee Pass:
\$334,055,045	2%	23.99	\$537,189,987	NO

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	\$88,790,510	
			Total Step 1 + Step 2	Does Licensee Pass:
			\$625,980,497	YES
Step 3:				

	Decom Period:				_		
I	Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earn Deco	ings for m:		
	\$625,980,497	2%	7	\$46,53	7,164		
					Total of Steps 1 thru 3:	Does Licensee Pass:	Shortfall:
					\$672,517,661	YES	NO

Signature: Aaron L. Szabo Date: 7/26/2011 Signature: Jo Ann Simpson Date: 8/10/2011

Plant name:	<b>Brunswick Steam E</b>	lectric Plant, U	Unit 2 Docket Numbe	r: 50-324
	Mont	h: Day	Year:	
<b>Date of Operation:</b>	12	31	2010	
Termination of Operation	ions: 12	27	2034	

If licensee is granted greater than 2% RRR

Step 4: Earnings Credit:

_		Real Rate	Years		
Type of Fund	Trust Fund Balance:	of Return	Left in	Total Earnings:	Does Licensee Pass:
North Carolina Qualified Fund	\$153,364,633	3.00%	23.99	\$602,223,875	YES
All Others	\$180,690,412	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	
-		Real Rate of Return	Years remaining after		
	Total Annuity	per year	annuity	Total Step 5	
	See Total Step 4	See Annuity Sheet	N/A	\$90,884,537	
				Total Step 4 + Step 5	Does Licensee Pass:
				\$693,108,412	YES

Step 6: **Decom Period:** 

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earr Decc	ings for m:			
\$693,108,412	2.00%	7	\$51,52	7,644			
				Total of S	Steps 4 thru 6:	Does Licensee Pass:	Shortfall:
				\$744	,636,056	YES	NO

# ANNUITY

Termi	nation of Ope	rations:	12	27
Year	Annuity:	Real Rate of Return:	Total Accumulation	
2011	\$7,060,354	2%	\$11,354,032	
2012	\$7,060,354	2%	\$11,131,403	
2013	\$7,060,354	2%	\$10,913,141	
2014	\$7,060,354	2%	\$10,699,157	
2015	\$7,060,354	2%	\$10,489,370	
2016	\$7,060,354	2%	\$10,283,696	
2017	\$7,060,354	2%	\$10,082,055	
2018	\$678,033	2%	\$949,234	
2019	\$678,033	2%	\$930,621	
2020	\$678,033	2%	\$912,374	
2021	\$678,033	2%	\$894,484	
2022	\$678,033	2%	\$876,945	
2023	\$678,033	2%	\$859,750	
2024	\$678,033	2%	\$842,893	
2025	\$678,033	2%	\$826,365	
2026	\$678,033	2%	\$810,162	
2027	\$678,033	2%	\$794,276	
2028	\$678,033	2%	\$778,702	
2029	\$678,033	2%	\$763,434	
2030	\$678,033	2%	\$748,464	
2031	\$678,033	2%	\$733,789	
2032	\$678,033	2%	\$719,401	
2033	\$678,033	2%	\$705,295	
2034	\$678,033	2%	\$691,465	

Total: \$88,790,510

2034

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ANNUITY Termination of Operations: 12 27 2034

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 Caro	lina Qualified	I		North Carolina NonQualified					South Carolina and Wholesale				
2011	\$4,847,082	3.00%	\$9,850,394	2011	\$8	2.00%	\$13	2011	\$2,213,264	2.00%	\$3,559,236			
2012	\$96,902	3.00%	\$191,192	2012	\$4,750,188	2.00%	\$7,489,180	2012	\$2,213,264	2.00%	\$3,489,447			
2013		3.00%	\$0	2013	\$4,847,090	2.00%	\$7,492,114	2013	\$2,213,264	2.00%	\$3,421,027			
2014		3.00%	\$0	2014	\$4,847,090	2.00%	\$7,345,209	2014	\$2,213,264	2.00%	\$3,353,948			
2015		3.00%	\$0	2015	\$4,847,090	2.00%	\$7,201,186	2015	\$2,213,264	2.00%	\$3,288,184			
2016		3.00%	\$0	2016	\$4,847,090	2.00%	\$7,059,986	2016	\$2,213,264	2.00%	\$3,223,710			
2017		3.00%	\$0	2017	\$4,847,090	2.00%	\$6,921,555	2017	\$2,213,264	2.00%	\$3,160,500			
2018		3.00%	\$0	2018	\$445,886	2.00%	\$624,232	2018	\$232,147	2.00%	\$325,002			
2019		3.00%	\$0	2019	\$445,886	2.00%	\$611,992	2019	\$232,147	2.00%	\$318,629			
2020		3.00%	\$0	2020	\$445,886	2.00%	\$599,993	2020	\$232,147	2.00%	\$312,381			
2021		3.00%	\$0	2021	\$445,886	2.00%	\$588,228	2021	\$232,147	2.00%	\$306,256			
2022		3.00%	\$0	2022	\$445,886	2.00%	\$576,694	2022	\$232,147	2.00%	\$300,251			
2023		3.00%	\$0	2023	\$445,886	2.00%	\$565,386	2023	\$232,147	2.00%	\$294,364			
2024		3.00%	\$0	2024	\$445,886	2.00%	\$554,300	2024	\$232,147	2.00%	\$288,592			
2025		3.00%	\$0	2025	\$445,886	2.00%	\$543,432	2025	\$232,147	2.00%	\$282,933			
2026		3.00%	\$0	2026	\$445,886	2.00%	\$532,776	2026	\$232,147	2.00%	\$277,386			
2027		3.00%	\$0	2027	\$445,886	2.00%	\$522,330	2027	\$232,147	2.00%	\$271,947			
2028		3.00%	\$0	2028	\$445,886	2.00%	\$512,088	2028	\$232,147	2.00%	\$266,615			
2029		3.00%	\$0	2029	\$445,886	2.00%	\$502,047	2029	\$232,147	2.00%	\$261,387			
2030		3.00%	\$0	2030	\$445,886	2.00%	\$492,203	2030	\$232,147	2.00%	\$256,262			
2031		3.00%	\$0	2031	\$445,886	2.00%	\$482,552	2031	\$232,147	2.00%	\$251,237			
2032		3.00%	\$0	2032	\$445,886	2.00%	\$473,090	2032	\$232,147	2.00%	\$246,311			
2033		3.00%	\$0	2033	\$445,886	2.00%	\$463,814	2033	\$232,147	2.00%	\$241,481			
2034		3.00%	\$0	2034	\$445,886	2.00%	\$454,719	2034	\$232,147	2.00%	\$236,746			
	Total:	\$10	0,041,585		Total:	\$52,	,609,120		Total:	\$28,	233,832			

Total: \$90,884,537

Signature: Aaron L. Szabo Date: 7/26/2011 Signature: Jo Ann Simpson Date: 8/10/2011