

Plant name: Peach Bottom Atomic Power Station, Unit 2

Docket Number: 50-277

1The minimum financial assurance (MFA) estimate pursuant to 10 CFR 50.75(b) & (c):<sup>1</sup>

\$631,705,000

Did the licensee identify the amount of estimated radiological funds? (Y/N)

Y

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

Licensee:	% Owned:	Category:	Amount in Trust Fund:
Exelon Generation Company, LLC	50.00%	1	\$184,318,000
PSEG	50.00%	1	\$212,694,000

Total Trust Fund Balance\$397,012,000

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

none

4Assumptions 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			variable	N	N	Y	Y	N	Y

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

N

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

Y<sup>2</sup>

7Any material changes to trust agreements? (Y/N)

N

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> Licensee calculated MFA higher than NRC calculations. Justification, including factors used, were provided to NRC for review. No further review required.

<sup>2</sup> Financial assurance provided by external sinking fund method coupled with an external trust fund. No further review required.

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Date of Operation:                      Month:                      Day                      Year:  
   12                      31                      2010  
Termination of Operations:                      8                      8                      2033

BWR/PWR	MWth	1986\$	ECI	Base Lx		Lx	Px	Latest Month Px	Base Px	Fx	Latest Month Fx	Base Fx		Ex		Bx
BWR	3514	\$135,000,000	113.6	2.16	0.65	2.45	1.676	191.4	114.2	3.049	250.0	82.0	0.13	2.307	0.22	12.54

NRC Minimum: \$628,251,763                      Site Specific:

Licensee:	% Owned:	Category	Amount of NRC Minimum/Site Specific:	Amount in Trust Fund:
Exelon Generation Company, LLC	50.00%	1	\$314,125,882	\$184,318,000
PSEG	50.00%	1	\$314,125,882	\$212,694,000
			Total Fund Balance:	\$397,012,000

Step 1:  
Earnings Credit:

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$397,012,000	2%	22.60	\$621,153,493	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:
	2%		\$0
Total Annuity	Real Rate of Return per year	Years remaining after annuity	Total Step 2:
\$0	2%	22.60	\$0

Total Step 1 + Step 2	Does Licensee Pass:
\$621,153,493	NO

Step 3:  
Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$621,153,493	2%	7	\$46,178,311

Total of Steps 1 thru 3:	Does Licensee Pass:	Shortfall:
\$667,331,804	YES	NO

Signature: Shawn Harwell  
Date: 8/5/2011  
Signature: Aaron L. Szabo  
Date: 8/16/2011

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If licensee is granted greater than 2% RRR

Step 4:  
Earnings Credit:

Licensee:	Trust Fund Balance:	Real Rate of Return	Years Left in	Total Earnings:	Does Licensee Pass:
Exelon Generation	\$184,318,000	3.00%	22.60	\$692,305,532	YES
PSEG	\$212,694,000	2.00%			

Step 5:  
Accumulation:

Value of Annuity per year	Real Rate of Return per year	Number of Annual Payments:	Total Annuity:
\$0	3.00%	0	\$0

Total Annuity	Real Rate of Return per year	Years remaining after annuity	Total Step 5
\$0	3.00%	22.60	\$0

Total Step 4 + Step 5	Does Licensee Pass:
\$692,305,532	YES

Step 6:  
Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$692,305,532	2.00%	7	\$51,467,955

Total of Steps 4 thru 6:	Does Licensee Pass:	Shortfall:
\$743,773,488	YES	NO

Signature: Shawn Harwell  
Date: 8/5/2011  
Signature: Aaron L. Szabo  
Date: 8/16/2011