Plant name: Peach Bottom Atomic Power Station, Unit 2 Docket Number: 50-277

1 The minimum financial assurance (MFA) estimate pursuant to 10 CFR 50.75(b) & (c):[1] **$631,705,000**

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:
Exelon Generation Company, LLC	50.00%	1	$184,318,000
PSEG	50.00%	1	$212,694,000

Total Trust Fund Balance **$397,012,000**

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)	Post-RAI Allowed through Decom (Y/N)	Post-RAI Rates Determined (Y/N)
Variable			**variable**	**N**	**N**	**Y**	**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) **Y**[2]

7 Any 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)

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

[2] **Financial assurance provided by external sinking fund method coupled with an external trust fund. No further review required.**

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

Spreadsheet created by: Aaron Szabo, Shawn Harwell
Formulas verified by: Clayton Pittiglio

Plant name: **Peach Bottom Atomic Power Station, Unit 2** **Docket Number:** **50-277**

	Month:	Day	Year:
Date of Operation:	**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

Spreadsheet created by: Aaron Szabo, Shawn Harwell
Formulas verified by: Clayton Pittiglio

Plant name: **Peach Bottom Atomic Power Station, Unit 2** **Docket Number:** **50-277**

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

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

Spreadsheet created by: Aaron Szabo, Shawn Harwell
Formulas verified by: Clayton Pittiglio