

Plant name:

Susquehanna Steam Electric Station, Unit 2

Docket Number:

50-388

1

The minimum financial assurance (MFA) estimate pursuant to 10 CFR 50.75(b) & (c):

\$628,425,000

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:
PPL Susquehanna, LLC	90.00%	2	\$325,566,473
Allegheny Electric Cooperative	10.00%	1	\$23,812,636

Total Trust Fund Balance

\$349,379,109

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)
2.00%			2.00%	N	Y	N			

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)

Y¹

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 Per PPL, the previous report credited collections and utilized inflation and earnings rates based on an order entered by the Pennsylvania PUC on 9/27/1995 at Docket No. R-00943271. The annual collections permitted under this order ceased at the end of 2009. In addition, the previous report provided an analysis crediting earnings through a SAFSTOR period, which is no longer necessary as the current funding is sufficient for immediate DECON.

Per AEC, they have all required contracts in place from the 14 cooperatives that fund the trust fund.

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Date of Operation:

Month: 12

Day: 31

Year: 2010

Termination of Operations:

3

23

2044

BWR/PWR	MWth	1986\$	ECI	Base Lx		Lx	Px	Latest Month Px	Base Px	Fx	Latest Month Fx	Base Fx		Ex		Bx
BWR	3952	\$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:
PPL Susquehanna, LLC	90.00%	2	\$565,426,587	\$325,566,473
Allegheny Electric Cooperative	10.00%	1	\$62,825,176	\$23,812,636
Total Fund Balance:			\$349,379,109	

Step 1:
Earnings Credit:

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$349,379,109	2%	33.23	\$674,627,666	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	\$114,796,463

Total Step 1 + Step 2	Does Licensee Pass:
\$789,424,128	YES

Step 3:
Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$789,424,128	2%	7	\$58,688,027

Total of Steps 1 thru 3:	Does Licensee Pass:	Shortfall:
\$848,112,155	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:
\$349,379,109	2.00%	33.23	\$674,627,666	YES

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	\$114,796,463

Total Step 4 + Step 5	Does Licensee Pass:
\$789,424,128	YES

Step 6:
Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$789,424,128	2.00%	7	\$58,688,027

Total of Steps 4 thru 6:	Does Licensee Pass:	Shortfall:
\$848,112,155	YES	NO

ANNUITY

Termination of Operations: 3 23 2044

Year	Annuity:	Real Rate of Return:	Total Accumulation
2011	\$1,297,000	2%	\$2,504,499
2012	\$1,348,880	2%	\$2,553,607
2013	\$1,402,835	2%	\$2,603,678
2014	\$1,458,949	2%	\$2,654,731
2015	\$1,571,307	2%	\$2,803,118
2016	\$1,577,999	2%	\$2,759,859
2017	\$1,641,119	2%	\$2,813,973
2018	\$1,706,764	2%	\$2,869,150
2019	\$1,775,034	2%	\$2,925,407
2020	\$1,846,035	2%	\$2,982,767
2021	\$1,919,877	2%	\$3,041,254
2022	\$1,996,672	2%	\$3,100,886
2023	\$2,076,539	2%	\$3,161,688
2024	\$2,159,600	2%	\$3,223,681
2025	\$2,245,984	2%	\$3,286,890
2026	\$2,335,824	2%	\$3,351,340
2027	\$2,429,257	2%	\$3,417,053
2028	\$2,526,427	2%	\$3,484,053
2029	\$2,627,484	2%	\$3,552,368
2030	\$2,732,583	2%	\$3,622,022
2031	\$2,841,887	2%	\$3,693,043
2032	\$2,955,562	2%	\$3,765,455
2033	\$3,073,785	2%	\$3,839,288
2034	\$3,196,736	2%	\$3,914,567
2035	\$3,324,606	2%	\$3,991,324
2036	\$3,457,590	2%	\$4,069,585
2037	\$3,595,893	2%	\$4,149,380
2038	\$3,739,729	2%	\$4,230,741
2039	\$3,889,318	2%	\$4,313,697
2040	\$4,044,891	2%	\$4,398,279
2041	\$4,206,687	2%	\$4,484,520
2042	\$4,374,954	2%	\$4,572,452
2043	\$4,549,952	2%	\$4,662,107
2044		2%	\$0

Total: \$114,796,463

Signature: Michael Purdie and JoAnn Simpson

Date: 06/24/2011

Signature: Kosmas Lois

Date: 6/29/2011

Spreadsheet created by: Aaron Szabo, Shawn Harwell

Formulas verified by: Clayton Pittiglio

ANNUITY

Termination of Operations: 3 23 2044

If licensee is granted greater than 2% RRR

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2042	\$4,374,954	2.00%	\$4,572,452
2043	\$4,549,952	2.00%	\$4,662,107
2044	\$0	2.00%	\$0

Total: \$114,796,463

Signature: Michael Purdie and JoAnn Simpson

Date: 06/24/2011

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