

Plant name: Beaver Valley Power Station, Unit 1

Docket Number: 50-334

- 1

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

\$461,458,231
- 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:
FENGenCo	100.00%	2	\$223,843,740

Total Trust Fund Balance

\$223,843,740

- 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)	Allowed through Decom (Y/N)	Rates Determined (Y/N)
			2.00%	N		Y	N	Y	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)

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)

Plant name:

Beaver Valley Power Station, Unit 1

Docket Number:

50-334

Date of Operation:

Month: 12

Day: 31

Year: 2010

Termination of Operations:

1

29

2036

BWR/PWR	MWth	1986\$	ECI	Base Lx		Lx	Px	Latest Month Px	Base Px	Fx	Latest Month Fx	Base Fx		Ex		Bx
PWR	2900	\$100,520,000	113.6	2.16	0.65	2.45	1.676	191.4	114.2	3.049	250.0	82.0	0.13	2.253	0.22	12.28

NRC Minimum:

\$461,324,311

Site Specific:

Licensee:	% Owned:	Category	Amount of NRC Minimum/Site Specific:	Amount in Trust Fund:
FENGenCo	100.00%	2	\$461,324,311	\$223,843,740
			Total Fund Balance:	\$223,843,740

Step 1:  
Earnings Credit:

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$223,843,740	2%	25.08	\$367,805,995	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%	25.08	\$0

Total Step 1 + Step 2	Does Licensee Pass:
\$367,805,995	NO

Step 3:  
Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$367,805,995	2%	7	\$27,343,740

Parent Company Guarantee	Total of Steps 1 thru 3:	Does Licensee Pass:	Shortfall:
\$67,500,000	\$462,649,735	YES	NO

Signature : Kosmas Lois  
Date: 7/6/2011  
Secondary Signature: Jo Ann Simpson  
Date: 07/13/2011

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

Plant name:

Beaver Valley Power Station, Unit 1

Docket Number:

50-334

Date of Operation:

Month:12Day:31Year:2010

Termination of Operations:

1292036

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:
\$223,843,740	2.00%	25.08	\$367,805,995	NO
Step 5: Accumulation:				
Value of Annuity per year	Real Rate of Return per year	Number of Annual Payments:	Total Annuity:	
\$0	2.00%	0	\$0	
Total Annuity	Real Rate of Return per year	Years remaining after annuity	Total Step 5	
\$0	2.00%	25.08	\$0	
			Total Step 4 + Step 5	Does Licensee Pass:
			\$367,805,995	NO
Step 6: Decom Period:				
Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:	
\$367,805,995	2.00%	7	\$27,343,740	
		Parent Company Guarantee <sup>1</sup>	Total of Steps 4 thru 6:	Does Licensee Pass:
		\$67,500,000	\$462,649,735	YES
				Shortfall: NO

<sup>1</sup> FENOC has obtained a \$95 Million Parental Guaranty (PCG). The FENGenCO share of the BVPS-1 nuclear decommissioning trust has a shortfall of approximately 66 million dollars and the FENGenCo share of the Perry Nuclear Power Plant has a shortfall of approximately \$26 million dollars. The NRC staff decided to account for the guaranty such that \$67.5 Million is for Beaver Valley and \$27.5 Million is for Perry. NRC staff took the NRC minimum value required for decommissioning and subtracted it from the \$95 million of the new PCG. The figure (\$3 Million) was divided in half and added to Beaver Valley and Perry PCG's accordingly. This is how the \$67.5 million and \$27.5 million was derived.

# ANNUITY

**Termination of Operations:** 1 29 2036

Year	Annuity:	Real Rate of Return:	Total Accumulation
2011	\$0	2%	\$0
2012	\$0	2%	\$0
2013	\$0	2%	\$0
2014	\$0	2%	\$0
2015	\$0	2%	\$0
2016	\$0	2%	\$0
2017	\$0	2%	\$0
2018	\$0	2%	\$0
2019	\$0	2%	\$0
2020	\$0	2%	\$0
2021	\$0	2%	\$0
2022	\$0	2%	\$0
2023	\$0	2%	\$0
2024	\$0	2%	\$0
2025	\$0	2%	\$0
2026	\$0	2%	\$0
2027	\$0	2%	\$0
2028	\$0	2%	\$0
2029	\$0	2%	\$0
2030	\$0	2%	\$0
2031	\$0	2%	\$0
2032	\$0	2%	\$0
2033	\$0	2%	\$0
2034	\$0	2%	\$0
2035	\$0	2%	\$0
2036	\$0	2%	\$0

**Total: \$0**

Signature : Kosmas Lois

Date: 7/6/2011

Secondary Signature: Jo Ann Simpson

Date: 07/13/2011

Spreadsheet created by: Aaron Szabo, Shawn Harwell

Formulas verified by: Clayton Pittiglio