

Plant name:

Surry Power Station, Unit 2

Docket Number:

50-281

1

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

\$434,800,000

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:
Virginia Electric and Power Company	100.00%	1	\$270,700,000

Total Trust Fund Balance

\$270,700,000

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%	N		Y	N	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)

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:

Surry Power Station, Unit 2

Docket Number:

50-281

Date of Operation:

Month: 12

Day: 31

Year: 2010

Termination of Operations:

1

29

2033

BWR/PWR	MWth	1986\$	ECI	Base Lx		Lx	Px	Latest Month Px	Base Px	Fx	Latest Month Fx	Base Fx		Ex		Bx
PWR	2587	\$97,765,600	112.8	1.98	0.65	2.23	1.676	191.4	114.2	3.049	250.0	82.0	0.13	2.253	0.22	12.28

NRC Minimum:

\$434,682,511

Site Specific:

Licensee:	% Owned:	Category	Amount of NRC Minimum/Site Specific:	Amount in Trust Fund:
Virginia Electric and Power Company	100.00%	1	\$434,682,511	\$270,700,000
Total Fund Balance:			\$270,700,000	

Step 1:  
Earnings Credit:

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$270,700,000	2%	22.08	\$419,142,396	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	23	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	\$13,839,938

Total Step 1 + Step 2	Does Licensee Pass:
\$432,982,333	NO

Step 3:  
Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$432,982,333	2%	7	\$32,189,134

Total of Steps 1 thru 3:	Does Licensee Pass:	Shortfall:
\$465,171,467	YES	NO

Plant name:

Surry Power Station, Unit 2

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Date of Operation:

Month:12Day:31Year:2010

Termination of Operations:

1292033

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:
\$270,700,000	2.00%	22.08	\$419,142,396	NO
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	23	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	\$13,839,938	
			Total Step 4 + Step 5	Does Licensee Pass:
			\$432,982,333	NO
Step 6: Decom Period:				
Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:	
\$432,982,333	2.00%	7	\$32,189,134	
			Total of Steps 4 thru 6:	Does Licensee Pass: Shortfall:
			\$465,171,467	YES NO

## ANNUITY

**Termination of Operations:** 1 29 2033

Year	Annuity:	Real Rate of Return:	Total Accumulation
2011	\$479,050	2%	\$741,768
2012	\$479,050	2%	\$727,223
2013	\$479,050	2%	\$712,964
2014	\$479,050	2%	\$698,984
2015	\$479,050	2%	\$685,279
2016	\$479,050	2%	\$671,842
2017	\$479,050	2%	\$658,668
2018	\$479,050	2%	\$645,753
2019	\$479,050	2%	\$633,092
2020	\$479,050	2%	\$620,678
2021	\$479,050	2%	\$608,508
2022	\$479,050	2%	\$596,576
2023	\$479,050	2%	\$584,879
2024	\$479,050	2%	\$573,411
2025	\$479,050	2%	\$562,167
2026	\$479,050	2%	\$551,144
2027	\$479,050	2%	\$540,338
2028	\$479,050	2%	\$529,743
2029	\$479,050	2%	\$519,356
2030	\$479,050	2%	\$509,172
2031	\$479,050	2%	\$499,188
2032	\$479,050	2%	\$489,400
2033	\$479,050	2%	\$479,804

**Total: \$13,839,938**

# ANNUITY

**Termination of Operations:** 1 29 2033

If licensee is granted greater than 2% RRR

Year	Annuity:	Real Rate of Return:	Total Accumulation
2011	\$479,050	2.00%	\$741,768
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2033	\$479,050	2.00%	\$479,804

**Total: \$13,839,938**