

Plant name: Surry Power Station, Unit 1

Docket Number: 50-280

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	\$269,900,000

Total Trust Fund Balance \$269,900,000

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 1** **Docket Number:** **50-280**
Date of Operation: **Month: 12 Day 31 Year: 2010**
Termination of Operations: **5 25 2032**

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	\$269,900,000
			Total Fund Balance:	\$269,900,000

**Step 1:
Earnings Credit:**

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$269,900,000	2%	21.40	\$412,333,408	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		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	\$11,936,907

Total Step 1 + Step 2	Does Licensee Pass:
\$424,270,315	NO

**Step 3:
Decom Period:**

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$424,270,315	2%	7	\$31,541,458

Total of Steps 1 thru 3:	Does Licensee Pass:	Shortfall:
\$455,811,772	YES	NO

Plant name: **Surry Power Station, Unit 1** **Docket Number:** **50-280**
Date of Operation: **Month: 12 Day 31 Year: 2010**
Termination of Operations: **5 25 2032**

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:
\$269,900,000	2.00%	21.40	\$412,333,408	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	22	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	\$11,936,907

Total Step 4 + Step 5	Does Licensee Pass:
\$424,270,315	NO

Step 6:

Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$424,270,315	2.00%	7	\$31,541,458

Total of Steps 4 thru 6:	Does Licensee Pass:	Shortfall:
\$455,811,772	YES	NO

ANNUITY

Termination of Operations: 5 25 2032

Year	Annuity:	Real Rate of Return:	Total Accumulation
2011	\$433,800	2%	\$662,749
2012	\$433,800	2%	\$649,754
2013	\$433,800	2%	\$637,013
2014	\$433,800	2%	\$624,523
2015	\$433,800	2%	\$612,277
2016	\$433,800	2%	\$600,272
2017	\$433,800	2%	\$588,502
2018	\$433,800	2%	\$576,963
2019	\$433,800	2%	\$565,650
2020	\$433,800	2%	\$554,559
2021	\$433,800	2%	\$543,685
2022	\$433,800	2%	\$533,024
2023	\$433,800	2%	\$522,573
2024	\$433,800	2%	\$512,326
2025	\$433,800	2%	\$502,281
2026	\$433,800	2%	\$492,432
2027	\$433,800	2%	\$482,777
2028	\$433,800	2%	\$473,310
2029	\$433,800	2%	\$464,030
2030	\$433,800	2%	\$454,931
2031	\$433,800	2%	\$446,011
2032	\$433,800	2%	\$437,266

Total: \$11,936,907

ANNUITY

Termination of Operations: 5 25 2032

If licensee is granted greater than 2% RRR

Year	Annuity:	Real Rate of Return:	Total Accumulation
2011	\$433,800	2.00%	\$662,749
2012	\$433,800	2.00%	\$649,754
2013	\$433,800	2.00%	\$637,013
2014	\$433,800	2.00%	\$624,523
2015	\$433,800	2.00%	\$612,277
2016	\$433,800	2.00%	\$600,272
2017	\$433,800	2.00%	\$588,502
2018	\$433,800	2.00%	\$576,963
2019	\$433,800	2.00%	\$565,650
2020	\$433,800	2.00%	\$554,559
2021	\$433,800	2.00%	\$543,685
2022	\$433,800	2.00%	\$533,024
2023	\$433,800	2.00%	\$522,573
2024	\$433,800	2.00%	\$512,326
2025	\$433,800	2.00%	\$502,281
2026	\$433,800	2.00%	\$492,432
2027	\$433,800	2.00%	\$482,777
2028	\$433,800	2.00%	\$473,310
2029	\$433,800	2.00%	\$464,030
2030	\$433,800	2.00%	\$454,931
2031	\$433,800	2.00%	\$446,011
2032	\$433,800	2.00%	\$437,266

Total: \$11,936,907