

Plant name: Brown's Ferry Nuclear Power Station, Unit 3

Docket Number: 50-296

1 The minimum financial assurance (MFA) estimate pursuant to 10 CFR 50.75(b) & (c): \$609,100,000
 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:
TVA	100.00%	1	\$142,010,000

Total Trust Fund Balance **\$142,010,000**

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)
9.00%	4.00%		5.00%	N	Y	Y	Y	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: Brown's Ferry Nuclear Power Station, Unit 3 **Docket Number:** 50-296

Date of Operation: Month: 12 Day: 31 Year: 2010
Termination of Operations: 6 2 2036

BWR/PWR	MWth	1986\$	ECI	Base Lx		Lx	Px	Latest Month Px	Base Px	Fx	Latest Month Fx	Base Fx		Ex		Bx
BWR	3458	\$135,000,000	112.8	1.98	0.65	2.23	1.676	191.4	114.2	3.049	250.0	82.0	0.13	2.307	0.22	12.54

NRC Minimum: \$608,918,683 **Site Specific:**

Licensee:	% Owned:	Category	Amount of NRC Minimum/Site Specific:	Amount in Trust Fund:
TVA	100.00%	1	\$608,918,683	\$142,010,000
			Total Fund Balance:	\$142,010,000

**Step 1:
Earnings Credit:**

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$142,010,000	2%	25.42	\$234,930,826	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	\$95,069,971

Total Step 1 + Step 2	Does Licensee Pass:
\$330,000,797	NO

**Step 3:
Decom Period:**

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$330,000,797	2%	7	\$24,533,194

Total of Steps 1 thru 3:	Does Licensee Pass:	Shortfall:
\$354,533,991	NO	(\$254,384,692)

Signature: Shawn W. Harwell Date: 6/29/11
 Signature: Aaron L. Szabo
 Date: 7/6/2011

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

Plant name: Brown's Ferry Nuclear Power Station, Unit 3 **Docket Number:** 50-296

Date of Operation: Month: 12 Day: 31 Year: 2010
Termination of Operations: Month: 6 Day: 2 Year: 2036

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:
\$142,010,000	5.00%	25.42	\$490,865,513	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	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	\$146,095,971

Total Step 4 + Step 5	Does Licensee Pass:
\$636,961,484	YES

Step 6:

Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$636,961,484	5.00%	7	\$129,653,645

Total of Steps 4 thru 6:	Does Licensee Pass:	Shortfall:
\$766,615,128	YES	NO

Signature: Shawn W. Harwell Date: 6/29/11
 Signature: Aaron L. Szabo
 Date: 7/6/2011

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ANNUITY

Termination of Operations: 6 2 2036

Year	Annuity:	Real Rate of Return:	Total Accumulation
2011	\$2,800,000	2%	\$4,632,259
2012	\$2,800,000	2%	\$4,541,431
2013	\$2,800,000	2%	\$4,452,383
2014	\$2,800,000	2%	\$4,365,081
2015	\$2,800,000	2%	\$4,279,491
2016	\$2,800,000	2%	\$4,195,580
2017	\$2,800,000	2%	\$4,113,314
2018	\$2,800,000	2%	\$4,032,660
2019	\$2,800,000	2%	\$3,953,589
2020	\$2,800,000	2%	\$3,876,067
2021	\$2,800,000	2%	\$3,800,066
2022	\$2,800,000	2%	\$3,725,555
2023	\$2,800,000	2%	\$3,652,505
2024	\$2,800,000	2%	\$3,580,887
2025	\$2,800,000	2%	\$3,510,674
2026	\$2,800,000	2%	\$3,441,837
2027	\$2,800,000	2%	\$3,374,350
2028	\$2,800,000	2%	\$3,308,186
2029	\$2,800,000	2%	\$3,243,320
2030	\$2,800,000	2%	\$3,179,725
2031	\$2,800,000	2%	\$3,117,378
2032	\$2,800,000	2%	\$3,056,253
2033	\$2,800,000	2%	\$2,996,326
2034	\$2,800,000	2%	\$2,937,575
2035	\$2,800,000	2%	\$2,879,975
2036	\$2,800,000	2%	\$2,823,505

Total: \$95,069,971

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ANNUITY

Termination of Operations: 6 2 2036

If licensee is granted greater than 2% RRR

Year	Annuity:	Real Rate of Return:	Total Accumulation
2011	\$2,800,000	5.00%	\$9,679,111
2012	\$2,800,000	5.00%	\$9,218,201
2013	\$2,800,000	5.00%	\$8,779,239
2014	\$2,800,000	5.00%	\$8,361,180
2015	\$2,800,000	5.00%	\$7,963,029
2016	\$2,800,000	5.00%	\$7,583,837
2017	\$2,800,000	5.00%	\$7,222,702
2018	\$2,800,000	5.00%	\$6,878,764
2019	\$2,800,000	5.00%	\$6,551,204
2020	\$2,800,000	5.00%	\$6,239,242
2021	\$2,800,000	5.00%	\$5,942,135
2022	\$2,800,000	5.00%	\$5,659,176
2023	\$2,800,000	5.00%	\$5,389,691
2024	\$2,800,000	5.00%	\$5,133,039
2025	\$2,800,000	5.00%	\$4,888,609
2026	\$2,800,000	5.00%	\$4,655,818
2027	\$2,800,000	5.00%	\$4,434,112
2028	\$2,800,000	5.00%	\$4,222,964
2029	\$2,800,000	5.00%	\$4,021,871
2030	\$2,800,000	5.00%	\$3,830,353
2031	\$2,800,000	5.00%	\$3,647,955
2032	\$2,800,000	5.00%	\$3,474,243
2033	\$2,800,000	5.00%	\$3,308,803
2034	\$2,800,000	5.00%	\$3,151,241
2035	\$2,800,000	5.00%	\$3,001,182
2036	\$2,800,000	5.00%	\$2,858,268

Total: \$146,095,971

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