

Plant name: **Indian Point, Unit 2**

Docket Number: **50-247**

1 The minimum financial assurance (MFA) estimate pursuant to 10 CFR 50.75(b) & (c): \$474,224,079

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:
Entergy Nuclear Operations, Inc.	100.00%	1	\$374,543,000

Total Trust Fund Balance **\$374,543,000**

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			

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: Indian Point, Unit 2 **Docket Number:** 50-247
Date of Operation: **Month:** 12 **Day:** 31 **Year:** 2010
Termination of Operations: 9 28 2013

BWR/PWR	MWth	1986\$	ECI	Base Lx		Lx	Px	Latest Month Px	Base Px	Fx	Latest Month Fx	Base Fx		Ex		Bx
PWR	3216	\$103,300,800	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: \$474,086,454 **Site Specific:** \$696,200,000

Licensee:	% Owned:	Category	Amount of NRC Minimum/Site Specific:	Amount in Trust Fund:
Entergy Nuclear Operations, Inc.	100.00%	1	\$696,200,000	\$374,543,000
			Total Fund Balance:	\$374,543,000

**Step 1:
Earnings Credit:**

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$374,543,000	2%	2.74	\$395,440,795	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%	2.74	\$0

Total Step 1 + Step 2	Does Licensee Pass:
\$395,440,795	NO

Step 3:

Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$395,440,795	2%	7	\$29,398,189

Total of Steps 1 thru 3:	Does Licensee Pass:	Shortfall:
\$424,838,985	NO	(\$271,361,015)

Signature: Shawn Harwell
 Date: 7/26/2011
 Signature: Jo Ann Simpson
 Date: 8/2/2011

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

Plant name: Indian Point, Unit 2 **Docket Number:** 50-247
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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:
\$374,543,000	2.00%	2.74	\$395,440,795	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%	2.74	\$0

Total Step 4 + Step 5	Does Licensee Pass:
\$395,440,795	NO

**Step 6:
Decom Period:**

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$395,440,795	2.00%	7	\$29,398,189

Total of Steps 4 thru 6:	Does Licensee Pass:	Shortfall:
\$424,838,985	NO	(\$271,361,015)

Signature: Shawn Harwell
 Date: 7/26/2011
 Signature: Jo Ann Simpson
 Date: 8/2/2011

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SAFSTOR ANALYSIS

Name of Unit: Indian Point, Unit 2
Name of Licensee: Entergy Nuclear Operatons, Inc.
Date of Termination of Operations: 9 28 2013
End of Operations Balance: \$395,440,795
Operating Life Real Rate of Return: 2.00%
Decommissioning Real Rate of Return: 2.00%

Year	Beginning Trust Fund Balance	Contributions	Expense Per Year		Real Rate of Return	End of Year Trust Fund Balance
			Plant	Spent Fuel		
2013	\$393,411,227		\$11,824,000	N/A	2.00%	\$389,337,211
2014	\$389,337,211		\$52,116,000	N/A	2.00%	\$344,486,796
2015	\$344,486,796		\$26,765,000	N/A	2.00%	\$324,343,882
2016	\$324,343,882		\$3,921,000	N/A	2.00%	\$326,870,549
2017	\$326,870,549		\$3,910,000	N/A	2.00%	\$329,458,860
2018	\$329,458,860		\$3,910,000	N/A	2.00%	\$332,098,937
2019	\$332,098,937		\$3,910,000	N/A	2.00%	\$334,791,816
2020	\$334,791,816		\$3,921,000	N/A	2.00%	\$337,527,442
2021	\$337,527,442		\$3,910,000	N/A	2.00%	\$340,328,891
2022	\$340,328,891		\$3,910,000	N/A	2.00%	\$343,186,369
2023	\$343,186,369		\$3,910,000	N/A	2.00%	\$346,100,997
2024	\$346,100,997		\$3,895,000	N/A	2.00%	\$349,089,066
2025	\$349,089,066		\$3,884,000	N/A	2.00%	\$352,148,008
2026	\$352,148,008		\$3,884,000	N/A	2.00%	\$355,268,128
2027	\$355,268,128		\$3,884,000	N/A	2.00%	\$358,450,651
2028	\$358,450,651		\$3,895,000	N/A	2.00%	\$361,685,714
2029	\$361,685,714		\$3,884,000	N/A	2.00%	\$364,996,588
2030	\$364,996,588		\$3,884,000	N/A	2.00%	\$368,373,680
2031	\$368,373,680		\$3,884,000	N/A	2.00%	\$371,818,313
2032	\$371,818,313		\$3,895,000	N/A	2.00%	\$375,320,729
2033	\$375,320,729		\$3,884,000	N/A	2.00%	\$378,904,304
2034	\$378,904,304		\$3,884,000	N/A	2.00%	\$382,559,550
2035	\$382,559,550		\$3,884,000	N/A	2.00%	\$386,287,901
2036	\$386,287,901		\$3,895,000	N/A	2.00%	\$390,079,709
2037	\$390,079,709		\$3,884,000	N/A	2.00%	\$393,958,463
2038	\$393,958,463		\$3,884,000	N/A	2.00%	\$397,914,793
2039	\$397,914,793		\$3,884,000	N/A	2.00%	\$401,950,248
2040	\$401,950,248		\$3,895,000	N/A	2.00%	\$406,055,303
2041	\$406,055,303		\$3,884,000	N/A	2.00%	\$410,253,569
2042	\$410,253,569		\$3,884,000	N/A	2.00%	\$414,535,801
2043	\$414,535,801		\$3,884,000	N/A	2.00%	\$418,903,677

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Date of Termination of Operations 9 28 2013
End of Operations Balance: \$395,440,795
Operating Life Real Rate of Return: 2.00%
Decommissioning Real Rate of Return: 2.00%

Year	Beginning Trust Fund Balance	Contributions	Expense Per Year		Real Rate of Return	End of Year Trust Fund Balance
			Plant	Spent Fuel		
2044	\$418,903,677		\$3,895,000	N/A	2.00%	\$423,347,800
2045	\$423,347,800		\$3,884,000	N/A	2.00%	\$427,891,916
2046	\$427,891,916		\$3,884,000	N/A	2.00%	\$432,526,915
2047	\$432,526,915		\$3,884,000	N/A	2.00%	\$437,254,613
2048	\$437,254,613		\$3,887,000	N/A	2.00%	\$442,073,835
2049	\$442,073,835		\$3,876,000	N/A	2.00%	\$447,000,552
2050	\$447,000,552		\$3,876,000	N/A	2.00%	\$452,025,803
2051	\$452,025,803		\$3,876,000	N/A	2.00%	\$457,151,559
2052	\$457,151,559		\$3,887,000	N/A	2.00%	\$462,368,720
2053	\$462,368,720		\$3,876,000	N/A	2.00%	\$467,701,335
2054	\$467,701,335		\$3,876,000	N/A	2.00%	\$473,140,601
2055	\$473,140,601		\$3,876,000	N/A	2.00%	\$478,688,653
2056	\$478,688,653		\$3,887,000	N/A	2.00%	\$484,336,556
2057	\$484,336,556		\$3,876,000	N/A	2.00%	\$490,108,528
2058	\$490,108,528		\$3,876,000	N/A	2.00%	\$495,995,938
2059	\$495,995,938		\$3,876,000	N/A	2.00%	\$502,001,097
2060	\$502,001,097		\$3,887,000	N/A	2.00%	\$508,115,249
2061	\$508,115,249		\$3,876,000	N/A	2.00%	\$514,362,794
2062	\$514,362,794		\$3,876,000	N/A	2.00%	\$520,735,290
2063	\$520,735,290		\$3,876,000	N/A	2.00%	\$527,235,235
2064	\$527,235,235		\$26,199,000	N/A	2.00%	\$511,318,950
2065	\$511,318,950		\$58,792,000	N/A	2.00%	\$462,165,409
2066	\$462,165,409		\$177,452,000	N/A	2.00%	\$292,182,197
2067	\$292,182,197		\$75,804,000	N/A	2.00%	\$221,463,801
2068	\$221,463,801		\$26,507,000	N/A	2.00%	\$199,121,007
2069	\$199,121,007		\$6,383,000	N/A	2.00%	\$196,656,597
2070	\$196,656,597		\$6,383,000	N/A	2.00%	\$194,142,899
2071	\$194,142,899		\$6,383,000	N/A	2.00%	\$191,578,927
2072	\$191,578,927		\$6,913,000	N/A	2.00%	\$188,428,376
2073	\$188,428,376		\$28,028,000	N/A	2.00%	\$162,993,496

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