

**Plant name: Braidwood Station, Unit 2**

**Docket Number: 50-457**

1 The minimum financial assurance (MFA) estimate pursuant to 10 CFR 50.75(b) & (c):<sup>1</sup> \$477,516,000

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:
Exelon Generation Company, LLC	100.00%	2	\$248,282,000

Total Trust Fund Balance \$248,282,000

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%						

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) Y<sup>2</sup>

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)

<sup>1</sup> Licensee calculated MFA higher than NRC calculations. Justification, including factors used, were provided to NRC for review. No further review required.

<sup>2</sup> Removed Parent Company Guarantee. Financial assurance is provided by the prepayment method, coupled with an external trust fund. No further review required.

**Plant name:** Braidwood Station, Unit 2 **Docket Number:** 50-457

**Date of Operation:** Month: 12 Day: 31 Year: 2010  
**Termination of Operations:** 12 18 2027

BWR/PWR	MWth	1986\$	ECI	Base Lx		Lx	Px	Latest Month Px	Base Px	Fx	Latest Month Fx	Base Fx		Ex		Bx
PWR	3586	\$105,000,000	111.3	2.08	0.65	2.32	1.676	191.4	114.2	3.049	250.0	82.0	0.13	2.253	0.22	12.28

**NRC Minimum:** \$472,417,086 **Site Specific:** \$672,827,000

Licensee:	% Owned:	Category	Amount of NRC Minimum/Site Specific:	Amount in Trust Fund:
Exelon Generation Company, LLC	100.00%	2	\$672,827,000	\$248,282,000
			Total Fund Balance:	\$248,282,000

**Step 1: Earnings Credit:**

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$248,282,000	2%	16.96	\$347,409,626	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%	16.96	\$0
Total Step 1 + Step 2			Does Licensee Pass:
\$347,409,626			NO

**Step 3: Decom Period:**

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$347,409,626	2%	7	\$25,827,416
Total of Steps 1 thru 3:			Does Licensee Pass:
\$373,237,042			NO
			Shortfall:
			(\$299,589,958)

Signature: Shawn Harwell  
 Date: 8/3/2011  
 Signature: Aaron L. Szabo  
 Date: 8/15/2011

**Plant name:** **Braidwood Station, Unit 2** **Docket Number:** **50-457**  
**Date of Operation:** **Month: 12 Day 31 Year: 2010**  
**Termination of Operations:** **12 18 2027**

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:
\$248,282,000	2.00%	16.96	\$347,409,626	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%	16.96	\$0

Total Step 4 + Step 5	Does Licensee Pass:
\$347,409,626	NO

**Step 6:**

**Decom Period:**

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$347,409,626	2.00%	7	\$25,827,416

Total of Steps 4 thru 6:	Does Licensee Pass:	Shortfall:
\$373,237,042	NO	(\$299,589,958)

Signature: Shawn Harwell  
 Date: 8/3/2011  
 Signature: Aaron L. Szabo  
 Date: 8/15/2011

**SAFSTOR ANALYSIS**

**Name of Unit:** **Braidwood Station, Unit 2**  
**Name of Licensee:** **EGC**  
**Date of Termination of Operations** **12 18 2027**  
**End of Operations Balance:** **\$347,409,626**  
**Operating Life Real Rate of Return:** **2.00%**  
**Decommissioning Real Rate of Return:** **2.00%**

Year	Beginning Trust Fund Balance	Expense Per Year		Real Rate of Return	End of Year Trust Fund Balance
		Cost in 2010 dollars	Spent Fuel		
2027	\$347,171,964	\$1,960,000	N/A	2.00%	\$352,135,803
2028	\$352,135,803	\$53,032,000	N/A	2.00%	\$305,616,199
2029	\$305,616,199	\$43,180,000	N/A	2.00%	\$268,116,723
2030	\$268,116,723	\$3,763,000	N/A	2.00%	\$269,678,427
2031	\$269,678,427	\$3,763,000	N/A	2.00%	\$271,271,366
2032	\$271,271,366	\$3,773,000	N/A	2.00%	\$272,886,063
2033	\$272,886,063	\$3,759,000	N/A	2.00%	\$274,547,195
2034	\$274,547,195	\$3,755,000	N/A	2.00%	\$276,245,589
2035	\$276,245,589	\$3,755,000	N/A	2.00%	\$277,977,950
2036	\$277,977,950	\$3,765,000	N/A	2.00%	\$279,734,859
2037	\$279,734,859	\$3,755,000	N/A	2.00%	\$281,537,006
2038	\$281,537,006	\$3,755,000	N/A	2.00%	\$283,375,197
2039	\$283,375,197	\$3,755,000	N/A	2.00%	\$285,250,151
2040	\$285,250,151	\$3,765,000	N/A	2.00%	\$287,152,504
2041	\$287,152,504	\$3,755,000	N/A	2.00%	\$289,103,004
2042	\$289,103,004	\$3,755,000	N/A	2.00%	\$291,092,514
2043	\$291,092,514	\$3,755,000	N/A	2.00%	\$293,121,814
2044	\$293,121,814	\$3,765,000	N/A	2.00%	\$295,181,600
2045	\$295,181,600	\$3,755,000	N/A	2.00%	\$297,292,682
2046	\$297,292,682	\$3,742,000	N/A	2.00%	\$299,459,116
2047	\$299,459,116	\$3,742,000	N/A	2.00%	\$301,668,878
2048	\$301,668,878	\$3,752,000	N/A	2.00%	\$303,912,736
2049	\$303,912,736	\$3,742,000	N/A	2.00%	\$306,211,570
2050	\$306,211,570	\$3,742,000	N/A	2.00%	\$308,556,382
2051	\$308,556,382	\$3,742,000	N/A	2.00%	\$310,948,090
2052	\$310,948,090	\$3,752,000	N/A	2.00%	\$313,377,531
2053	\$313,377,531	\$3,742,000	N/A	2.00%	\$315,865,662
2054	\$315,865,662	\$3,742,000	N/A	2.00%	\$318,403,555
2055	\$318,403,555	\$3,742,000	N/A	2.00%	\$320,992,206
2056	\$320,992,206	\$3,752,000	N/A	2.00%	\$323,622,530
2057	\$323,622,530	\$3,742,000	N/A	2.00%	\$326,315,561
2058	\$326,315,561	\$3,742,000	N/A	2.00%	\$329,062,452
2059	\$329,062,452	\$3,742,000	N/A	2.00%	\$331,864,281
2060	\$331,864,281	\$3,752,000	N/A	2.00%	\$334,712,047
2061	\$334,712,047	\$3,742,000	N/A	2.00%	\$337,626,868
2062	\$337,626,868	\$3,742,000	N/A	2.00%	\$340,599,985
2063	\$340,599,985	\$3,742,000	N/A	2.00%	\$343,632,565
2064	\$343,632,565	\$3,752,000	N/A	2.00%	\$346,715,696
2065	\$346,715,696	\$3,742,000	N/A	2.00%	\$349,870,590
2066	\$349,870,590	\$3,742,000	N/A	2.00%	\$353,088,582
2067	\$353,088,582	\$3,742,000	N/A	2.00%	\$356,370,934
2068	\$356,370,934	\$3,752,000	N/A	2.00%	\$359,708,832
2069	\$359,708,832	\$3,742,000	N/A	2.00%	\$363,123,589

Signature: Shawn Harwell  
Date: 8/3/2011  
Signature: Aaron L. Szabo  
Date: 8/15/2011

2070	\$363,123,589	\$3,742,000	N/A	2.00%	\$366,606,641
2071	\$366,606,641	\$3,742,000	N/A	2.00%	\$370,159,353
2072	\$370,159,353	\$3,752,000	N/A	2.00%	\$373,773,021
2073	\$373,773,021	\$3,742,000	N/A	2.00%	\$377,469,061
2074	\$377,469,061	\$3,742,000	N/A	2.00%	\$381,239,022
2075	\$381,239,022	\$3,742,000	N/A	2.00%	\$385,084,383
2076	\$385,084,383	\$3,752,000	N/A	2.00%	\$388,996,550
2077	\$388,996,550	\$3,742,000	N/A	2.00%	\$392,997,061
2078	\$392,997,061	\$3,742,000	N/A	2.00%	\$397,077,583
2079	\$397,077,583	\$3,742,000	N/A	2.00%	\$401,239,714
2080	\$401,239,714	\$16,859,000	N/A	2.00%	\$392,236,918
2081	\$392,236,918	\$38,278,000	N/A	2.00%	\$361,420,877
2082	\$361,420,877	\$101,488,000	N/A	2.00%	\$266,146,414
2083	\$266,146,414	\$76,460,000	N/A	2.00%	\$194,244,743
2084	\$194,244,743	\$63,282,000	N/A	2.00%	\$134,214,817
2085	\$134,214,817	\$63,109,000	N/A	2.00%	\$73,159,024
2086	\$73,159,024	\$27,636,000	N/A	2.00%	\$46,709,844
2087	\$46,709,844	\$38,000	N/A	2.00%	\$47,605,661
2088	\$47,605,661	\$38,000	N/A	2.00%	\$48,519,394
2089	\$48,519,394	\$10,000	N/A	2.00%	\$48,430,154

Signature: Shawn Harwell

Date: 8/3/2011

Signature: Aaron L. Szabo

Date: 8/15/2011