

Plant name: **Clinton Power Station**

Docket Number: **50-461**

1 The minimum financial assurance (MFA) estimate pursuant to 10 CFR 50.75(b) & (c):¹ \$622,788,000

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	\$386,252,000

Total Trust Fund Balance **\$386,252,000**

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) Y²

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)

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

² Financial Assurance is provided by prepayment method, coupled with an external trust fund. No further review required.

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Date of Operation: **Month:** 12 **Day:** 31 **Year:** 2010
Termination of Operations: 9 29 2026

BWR/PWR	MWth	1986\$	ECI	Base Lx		Lx	Px	Latest Month Px	Base Px	Fx	Latest Month Fx	Base Fx		Ex		Bx
BWR	3473	\$135,000,000	111.3	2.08	0.65	2.32	1.676	191.4	114.2	3.049	250.0	82.0	0.13	2.307	0.22	12.54

NRC Minimum: \$616,079,083 **Site Specific:** \$795,863,000

Licensee:	% Owned:	Category	Amount of NRC Minimum/Site Specific:	Amount in Trust Fund:
Exelon Generation Company, LLC	100.00%	2	\$795,863,000	\$386,252,000
			Total Fund Balance:	\$386,252,000

**Step 1:
Earnings Credit:**

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$386,252,000	2%	15.74	\$527,565,421	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%	15.74	\$0

Total Step 1 + Step 2	Does Licensee Pass:
\$527,565,421	NO

**Step 3:
Decom Period:**

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$527,565,421	2%	7	\$39,220,708

Total of Steps 1 thru 3:	Does Licensee Pass:	Shortfall:
\$566,786,129	NO	(\$229,076,871)

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

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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:
\$386,252,000	2.00%	15.74	\$527,565,421	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%	15.74	\$0

Total Step 4 + Step 5	Does Licensee Pass:
\$527,565,421	NO

Step 6:

Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$527,565,421	2.00%	7	\$39,220,708

Total of Steps 4 thru 6:	Does Licensee Pass:	Shortfall:
\$566,786,129	NO	(\$229,076,871)

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

SAFSTOR ANALYSIS

Name of Unit: **Clinton**
 Name of Licensee: **EGC**
 Date of Termination of Operations **9 29 2026**
 End of Operations Balance: **\$527,565,421**
 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		
2026	\$524,813,513	\$14,350,000	N/A	2.00%	\$520,816,284
2027	\$520,816,284	\$81,036,000	N/A	2.00%	\$449,386,249
2028	\$449,386,249	\$14,248,000	N/A	2.00%	\$443,983,494
2029	\$443,983,494	\$5,704,000	N/A	2.00%	\$447,102,124
2030	\$447,102,124	\$5,704,000	N/A	2.00%	\$450,283,127
2031	\$450,283,127	\$5,704,000	N/A	2.00%	\$453,527,749
2032	\$453,527,749	\$5,720,000	N/A	2.00%	\$456,821,104
2033	\$456,821,104	\$5,704,000	N/A	2.00%	\$460,196,486
2034	\$460,196,486	\$5,704,000	N/A	2.00%	\$463,639,376
2035	\$463,639,376	\$5,704,000	N/A	2.00%	\$467,151,124
2036	\$467,151,124	\$5,720,000	N/A	2.00%	\$470,716,946
2037	\$470,716,946	\$5,704,000	N/A	2.00%	\$474,370,245
2038	\$474,370,245	\$5,721,000	N/A	2.00%	\$478,079,440
2039	\$478,079,440	\$5,704,000	N/A	2.00%	\$481,879,989
2040	\$481,879,989	\$5,720,000	N/A	2.00%	\$485,740,388
2041	\$485,740,388	\$5,704,000	N/A	2.00%	\$489,694,156
2042	\$489,694,156	\$5,704,000	N/A	2.00%	\$493,726,999
2043	\$493,726,999	\$5,704,000	N/A	2.00%	\$497,840,499
2044	\$497,840,499	\$5,720,000	N/A	2.00%	\$502,020,109
2045	\$502,020,109	\$5,704,000	N/A	2.00%	\$506,299,471
2046	\$506,299,471	\$5,704,000	N/A	2.00%	\$510,664,421
2047	\$510,664,421	\$5,704,000	N/A	2.00%	\$515,116,669
2048	\$515,116,669	\$5,720,000	N/A	2.00%	\$519,641,803
2049	\$519,641,803	\$5,704,000	N/A	2.00%	\$524,273,599
2050	\$524,273,599	\$5,704,000	N/A	2.00%	\$528,998,031
2051	\$528,998,031	\$5,704,000	N/A	2.00%	\$533,816,951
2052	\$533,816,951	\$5,720,000	N/A	2.00%	\$538,716,090
2053	\$538,716,090	\$5,704,000	N/A	2.00%	\$543,729,372
2054	\$543,729,372	\$5,704,000	N/A	2.00%	\$548,842,920
2055	\$548,842,920	\$5,704,000	N/A	2.00%	\$554,058,738
2056	\$554,058,738	\$5,720,000	N/A	2.00%	\$559,362,713
2057	\$559,362,713	\$5,704,000	N/A	2.00%	\$564,788,927
2058	\$564,788,927	\$5,704,000	N/A	2.00%	\$570,323,666
2059	\$570,323,666	\$5,704,000	N/A	2.00%	\$575,969,099
2060	\$575,969,099	\$5,720,000	N/A	2.00%	\$581,711,281

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2061	\$581,711,281	\$5,704,000	N/A	2.00%	\$587,584,466
2062	\$587,584,466	\$5,704,000	N/A	2.00%	\$593,575,116
2063	\$593,575,116	\$5,704,000	N/A	2.00%	\$599,685,578
2064	\$599,685,578	\$5,720,000	N/A	2.00%	\$605,902,090
2065	\$605,902,090	\$5,704,000	N/A	2.00%	\$612,259,091
2066	\$612,259,091	\$5,704,000	N/A	2.00%	\$618,743,233
2067	\$618,743,233	\$5,704,000	N/A	2.00%	\$625,357,058
2068	\$625,357,058	\$5,720,000	N/A	2.00%	\$632,086,999
2069	\$632,086,999	\$5,704,000	N/A	2.00%	\$638,967,699
2070	\$638,967,699	\$5,704,000	N/A	2.00%	\$645,986,013
2071	\$645,986,013	\$5,704,000	N/A	2.00%	\$653,144,693
2072	\$653,144,693	\$5,720,000	N/A	2.00%	\$660,430,387
2073	\$660,430,387	\$5,704,000	N/A	2.00%	\$667,877,955
2074	\$667,877,955	\$5,704,000	N/A	2.00%	\$675,474,474
2075	\$675,474,474	\$5,704,000	N/A	2.00%	\$683,222,924
2076	\$683,222,924	\$5,720,000	N/A	2.00%	\$691,110,182
2077	\$691,110,182	\$5,704,000	N/A	2.00%	\$699,171,346
2078	\$699,171,346	\$5,704,000	N/A	2.00%	\$707,393,733
2079	\$707,393,733	\$5,704,000	N/A	2.00%	\$715,780,567
2080	\$715,780,567	\$5,704,000	N/A	2.00%	\$724,335,139
2081	\$724,335,139	\$18,166,000	N/A	2.00%	\$720,474,181
2082	\$720,474,181	\$45,259,000	N/A	2.00%	\$689,172,075
2083	\$689,172,075	\$107,635,000	N/A	2.00%	\$594,244,166
2084	\$594,244,166	\$99,912,000	N/A	2.00%	\$505,217,930
2085	\$505,217,930	\$86,668,000	N/A	2.00%	\$427,787,608
2086	\$427,787,608	\$31,619,000	N/A	2.00%	\$404,408,171
2087	\$404,408,171	\$77,000	N/A	2.00%	\$412,418,564
2088	\$412,418,564	\$77,000	N/A	2.00%	\$420,589,165
2089	\$420,589,165	\$1,000	N/A	2.00%	\$419,901,204

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