

Plant name:

Limerick Generating Station, Unit 2

Docket Number:

50-353

1

The minimum financial assurance (MFA) estimate pursuant to 10 CFR 50.75(b) & (c):<sup>1</sup>

\$634,961,000

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%	1	\$249,578,000

Total Trust Fund Balance

\$249,578,000

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)
3.00%			3.00%	Y	N	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)

Y<sup>1</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> Financial assurance is provided by external sinking fund 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:

6

22

2029

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	113.6	2.16	0.65	2.45	1.676	191.4	114.2	3.049	250.0	82.0	0.13	2.307	0.22	12.54

NRC Minimum:

\$628,251,763

Site Specific:

Licensee:	% Owned:	Category	Amount of NRC Minimum/Site Specific:	Amount in Trust Fund:
Exelon Generation Company, LLC	100.00%	1	\$628,251,763	\$249,578,000
Total Fund Balance:			\$249,578,000	

Step 1:  
Earnings Credit:

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$249,578,000	2%	18.48	\$359,830,041	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	18	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	\$258,995,658

Total Step 1 + Step 2	Does Licensee Pass:
\$618,825,699	NO

Step 3:  
Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$618,825,699	2%	7	\$46,005,256

Total of Steps 1 thru 3:	Does Licensee Pass:	Shortfall:
\$664,830,955	YES	NO

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:
\$249,578,000	3.00%	18.48	\$430,901,914	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	18	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	\$287,323,056
Total Step 4 + Step 5			Does Licensee Pass:
\$718,224,970			YES

Step 6: Decom Period:				
Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:	
\$718,224,970	2.00%	7	\$53,394,880	
Total of Steps 4 thru 6:			Does Licensee Pass:	Shortfall:
\$771,619,849			YES	NO

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

# ANNUITY

**Termination of Operations:** 6 22 2029

Year	Annuity:	Real Rate of Return:	Total Accumulation
2011	\$11,747,000	2%	\$16,936,818
2012	\$11,747,000	2%	\$16,604,724
2013	\$11,747,000	2%	\$16,279,141
2014	\$11,747,000	2%	\$15,959,942
2015	\$11,747,000	2%	\$15,647,002
2016	\$11,747,000	2%	\$15,340,198
2017	\$11,747,000	2%	\$15,039,410
2018	\$11,747,000	2%	\$14,744,520
2019	\$11,747,000	2%	\$14,455,411
2020	\$11,747,000	2%	\$14,171,972
2021	\$11,747,000	2%	\$13,894,090
2022	\$11,747,000	2%	\$13,621,657
2023	\$11,747,000	2%	\$13,354,566
2024	\$11,747,000	2%	\$13,092,712
2025	\$11,747,000	2%	\$12,835,992
2026	\$11,747,000	2%	\$12,584,306
2027	\$11,747,000	2%	\$12,337,554
2028	\$11,747,000	2%	\$12,095,642
2029		2%	\$0

**Total: \$258,995,658**

Signature: Shawn Harwell

Date: 8/3/2011

Signature: Aaron L. Szabo

Date: 8/15/2011

Spreadsheet created by: Aaron Szabo, Shawn Harwell

Formulas verified by: Clayton Pittiglio

# ANNUITY

**Termination of Operations:** 6 22 2029

If licensee is granted greater than 2% RRR

Year	Annuity:	Real Rate of Return:	Total Accumulation
2011	\$11,747,000	3.00%	\$20,282,412
2012	\$11,747,000	3.00%	\$19,691,662
2013	\$11,747,000	3.00%	\$19,118,119
2014	\$11,747,000	3.00%	\$18,561,280
2015	\$11,747,000	3.00%	\$18,020,661
2016	\$11,747,000	3.00%	\$17,495,787
2017	\$11,747,000	3.00%	\$16,986,201
2018	\$11,747,000	3.00%	\$16,491,457
2019	\$11,747,000	3.00%	\$16,011,124
2020	\$11,747,000	3.00%	\$15,544,780
2021	\$11,747,000	3.00%	\$15,092,020
2022	\$11,747,000	3.00%	\$14,652,446
2023	\$11,747,000	3.00%	\$14,225,676
2024	\$11,747,000	3.00%	\$13,811,336
2025	\$11,747,000	3.00%	\$13,409,064
2026	\$11,747,000	3.00%	\$13,018,509
2027	\$11,747,000	3.00%	\$12,639,329
2028	\$11,747,000	3.00%	\$12,271,193
2029	\$0	3.00%	\$0

**Total: \$287,323,056**

Signature: Shawn Harwell

Date: 8/3/2011

Signature: Aaron L. Szabo

Date: 8/15/2011

Spreadsheet created by: Aaron Szabo, Shawn Harwell

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