

**Plant name:** **Prairie Island Nuclear Plant, Unit 2**

**Docket Number:** 50-306

- 1** The minimum financial assurance (MFA) estimate pursuant to 10 CFR 50.75(b) & (c):

**\$403,655,513**

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:
Xcel Energy	100.00%	1	\$358,946,949

Total Trust Fund Balance	<b>\$358,946,949</b>
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- 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)
6.30%	2.89%		3.41%	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)

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:

Prairie Island Nuclear Plant, Unit 2

Docket Number:

50-306

Date of Operation:

Month: 12

Day: 31

Year: 2010

Termination of Operations:

10

29

2014

BWR/PWR	MWth	1986\$	ECI	Base Lx		Lx	Px	Latest Month Px	Base Px	Fx	Latest Month Fx	Base Fx		Ex		Bx
PWR	1677	\$89,757,600	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:

\$403,838,322

Site Specific:

Licensee:	% Owned:	Category	Amount of NRC Minimum/Site Specific:	Amount in Trust Fund:
Xcel Energy	100.00%	1	\$403,838,322	\$358,946,949
			Total Fund Balance:	\$358,946,949

Step 1:  
Earnings Credit:

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$358,946,949	2%	3.83	\$387,213,479	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%	3.83	\$0

Total Step 1 + Step 2	Does Licensee Pass:
\$387,213,479	NO

Step 3:  
Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$387,213,479	2%	7	\$28,786,547

Total of Steps 1 thru 3:	Does Licensee Pass:	Shortfall:
\$416,000,027	YES	NO

Initial Review: Kosmas Lois  
Date: 8/19/2011  
Signature: Aaron L. Szabo  
Date: 8/22/2011

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

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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:
\$358,946,949	3.41%	3.83	\$408,106,521	YES
Step 5: Accumulation:				
Value of Annuity per year	Real Rate of Return per year	Number of Annual Payments:	Total Annuity:	
\$0	3.41%	0	\$0	
Total Annuity	Real Rate of Return per year	Years remaining after annuity	Total Step 5	
\$0	3.41%	3.83	\$0	
			Total Step 4 + Step 5	Does Licensee Pass:
			\$408,106,521	YES
Step 6: Decom Period:				
Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:	
\$408,106,521	2.00%	7	\$30,339,795	
			Total of Steps 4 thru 6:	Does Licensee Pass:
			\$438,446,316	YES
				Shortfall:
				NO