

Plant name: **Prairie Island Nuclear Plant, Unit 1**

Docket Number: 50-282

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

\$403,497,119

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	\$343,789,857

Total Trust Fund Balance	\$343,789,857
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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 1

Docket Number:

50-282

Date of Operation:

Month: 12

Day: 31

Year: 2010

Termination of Operations:

8

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2033

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	\$343,789,857
Total Fund Balance:			\$343,789,857	

Step 1:
Earnings Credit:

Trust Fund Balance:	Real Rate of Return per year	Years Left in License	Total Earnings:	Does Licensee Pass:
\$343,789,857	2%	22.61	\$537,912,850	YES

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%	22.61	\$0

Total Step 1 + Step 2	Does Licensee Pass:
\$537,912,850	YES

Step 3:
Decom Period:

Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:
\$537,912,850	2%	7	\$39,989,966

Total of Steps 1 thru 3:	Does Licensee Pass:	Shortfall:
\$577,902,816	YES	NO

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9

2033

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:
\$343,789,857	3.41%	22.61	\$733,667,895	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%	22.61	\$0
Total Step 4 + Step 5			Does Licensee Pass:
\$733,667,895			YES

Step 6: Decom Period:				
Total Earnings:	Real Rate of Return per year	Decom Period:	Total Earnings for Decom:	
\$733,667,895	2.00%	7	\$54,542,950	
Total of Steps 4 thru 6:			Does Licensee Pass:	Shortfall:
\$788,210,845			YES	NO