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March 28, 2017

L-XE-17-004  
10 CFR 50.75(f)(1)

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Prairie Island Nuclear Generating Plant,  
Units 1 and 2  
Docket 50-282 and 50-306  
Renewed Facility Operating License Nos.  
DPR-42 and DPR-60

Monticello Nuclear Generating Plant  
Docket 50-263  
Renewed Facility Operating License  
No. DPR-22

Decommissioning Funding Status Reports

Northern States Power Company, a Minnesota corporation (NSPM) d/b/a Xcel Energy, hereby submits the enclosed decommissioning funding status reports in accordance with 10 CFR 50.75(f)(1) for the above listed plants. The financial information presented is current as of December 31, 2016.

Summary of Commitments

This letter makes no new commitments and no revisions to existing commitments.

A handwritten signature in black ink that reads 'Martin C. Murphy'. The signature is written in a cursive, flowing style.

Martin C. Murphy  
Director, Nuclear Licensing and Regulatory Services  
Northern States Power Company – Minnesota

Enclosures (8)

cc: Administrator, Region III, USNRC  
Project Manager, Monticello, USNRC  
Project Manager, Prairie Island, USNRC  
Resident Inspector, Monticello, USNRC  
Resident Inspector, Prairie Island, USNRC

**ENCLOSURE 1**

**Prairie Island Nuclear Generating Plant, Unit 1  
Docket No. 50-282 License No. DPR-42  
Decommissioning Funding Status Report**

As provided in 10 CFR 50.75(f)(1), each power reactor licensee is required to report to the NRC on a calendar year basis beginning March 31, 1999, and every two years thereafter on the status of its decommissioning funding for each reactor or share of reactor it owns.

1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75(b) and (c), in 2016 dollars. \$390,933,044

2. The amount accumulated at the end of the calendar year preceding the date of the report.  
(See Enclosure 4 for segmentation of Radiological Decommissioning, Spent Fuel Management, and Site Restoration Trust Funds Balances).

<b>External Qualified</b>	\$358,639,700
<b>External Escrow</b>	\$0
<b>Total</b>	\$358,639,700

3. A schedule of the annual amounts remaining to be collected for radiological costs through rates from customers.

<b>Annual Annuity</b>		<b>Years to Collect</b>
\$486,428		16.8 yrs

4. Assumptions used regarding escalation in decommissioning costs, rate of earnings on decommissioning funds and rates of other factors used in funding projections.

<b>Plant Owner (% Ownership)</b>	<b>Rate of Earnings (Nominal Rate Of Return)</b>	<b>Escalation Factor (Inflation)</b>	<b>Real Rate of Return (Projected)</b>
Xcel Energy (100%) - PINGP Unit 1 – During Operations (Radiological)	6.24%	4.36%	1.88%
Xcel Energy (100%) - PINGP Unit 1 – Post-Shutdown (Radiological)	5.35%	4.36%	0.99%

Basis for Allowance:

Xcel Energy files a triennial decommissioning study with the Minnesota Public Utilities Commission (MPUC) for approval. A portion of the study is dedicated to an analysis of inflation factors surrounding the various components necessary to perform the decommissioning function. Note: These rates apply to external funds only for radiological decommissioning. The rate of earnings and escalation factors were approved by the MPUC in the most recent triennial decommissioning study completed by the company, MPUC Docket No. E002/M-14-761, effective October 5, 2015. The projected real rate of return of 1.88% during operations and 0.99% post-shutdown would accumulate sufficient decommissioning funds by the current 2033 end of license date.

5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v). None

6. Any modifications to a licensee's method of providing financial assurance occurring since the last submitted report. None

7. Any material changes to trust agreements. None

## ENCLOSURE 2

### Prairie Island Nuclear Generating Plant, Unit 2 Docket 50-306 License DPR-60 Decommissioning Funding Status Report

As provided in 10 CFR 50.75(f)(1), each power reactor licensee is required to report to the NRC on a calendar year basis beginning March 31, 1999, and every two years thereafter on the status of its decommissioning funding for each reactor or share of reactor it owns.

1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75(b) and (c), in 2016 dollars. \$390,933,044

2. The amount accumulated at the end of the calendar year preceding the date of the report.  
(See Enclosure 4 for segmentation of Radiological Decommissioning, Spent Fuel Management, and Site Restoration Trust Funds Balances).

<b>External Qualified</b>	\$395,626,640
<b>External Escrow</b>	\$0
<b>Total</b>	\$395,626,640

3. A schedule of the annual amounts remaining to be collected for radiological costs through rates on customers.

<b>Annual Annuity</b>	<b>Years to Collect</b>
\$1,535,107	17.8 yrs

4. Assumptions used regarding escalation in decommissioning costs, rate of earnings on decommissioning funds and rates of other factors used in funding projections.

Plant Owner (% Ownership)	Rate of Earnings (Nominal Rate Of Return)	Escalation Factor (Inflation)	Real Rate of Return (Projected)
Xcel Energy (100%)- PINGP Unit 2 – During Operations (Radiological)	6.30%	4.36%	1.94%
Xcel Energy (100%)- PINGP Unit 2 – Post-Shutdown (Radiological)	5.23%	4.36%	0.87%

Basis for Allowance:

Xcel Energy files a triennial decommissioning study with the Minnesota Public Utilities Commission (MPUC) for approval. A portion of the study is dedicated to an analysis of inflation factors surrounding the various components necessary to perform the decommissioning function. Note: These rates apply to external funds only for radiological decommissioning. The rate of earnings and escalation factors were approved by the MPUC in the most recent triennial decommissioning study completed by the company, MPUC Docket No. E002/M-14-761, effective October 5, 2015. The projected real rate of return of 1.94% during operations and 0.87% post-shutdown would accumulate sufficient decommissioning funds by the current 2034 end of license date.

5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v). None

6. Any modifications to a licensee's method of providing financial assurance occurring since the last submitted report. None

7. Any material changes to trust agreements. None

**ENCLOSURE 3**

**Monticello Nuclear Generating Plant  
Docket No. 50-263 License No. DPR-22  
Decommissioning Funding Status Report**

As provided in 10 CFR 50.75(f)(1), each power reactor licensee is required to report to the NRC on a calendar year basis beginning March 31, 1999, and every two years thereafter on the status of its decommissioning funding for each reactor or share of reactor it owns.

1. The minimum decommissioning fund estimate, pursuant to 10 CFR 50.75(b) and (c), in 2016 dollars. \$562,107,616

2. The amount accumulated for Radiological Decommissioning at the end of the calendar year preceding the date of the report. (See Enclosure 4 for segmentation of Radiological Decommissioning, Spent Fuel Management, and Site Restoration Trust Funds Balances).

<b>External Qualified</b>	\$498,602,413
<b>External Escrow</b>	\$0
<b>Total</b>	\$498,602,413

3. A schedule of the annual amounts remaining to be collected for radiological costs through rates from customers.

<b>Annual Annuity</b>	<b>Years to Collect</b>
\$6,030,008	13.75 yrs

4. Assumptions used regarding escalation in decommissioning costs, rate of earnings on decommissioning funds and rates of other factors used in funding projections.

Plant Owner (% Ownership)	Rate of Earnings (Nominal Rate Of Return)	Escalation Factor (Inflation)	Real Rate of Return (Projected)
Xcel Energy (100%)- Monticello – During Operations (Radiological)	6.20%	4.36%	1.84%
Xcel Energy (100%)- Monticello – Post-Shutdown (Radiological)	5.51%	4.36%	1.15%

Basis for Allowance:

Xcel Energy files a triennial decommissioning study with the Minnesota Public Utilities Commission (MPUC) for approval. A portion of the study is dedicated to an analysis of inflation factors surrounding the various components necessary to perform the decommissioning function. Note: These rates apply to external funds only for radiological decommissioning. The rate of earnings and escalation factors were approved by the MPUC in the most recent triennial decommissioning study completed by the company, MPUC Docket No. E002/M-14-761, effective October 5, 2015. The projected real rate of return of 1.84% during operations and 1.15% post-shutdown would accumulate sufficient decommissioning funds by the current 2030 end of license date.

5. Any contracts upon which the licensee is relying pursuant to 10 CFR 50.75(e)(1)(v). None

6. Any modifications to a licensee's method of providing financial assurance occurring since the last submitted report. None

7. Any material changes to trust agreements. None

**ENCLOSURE 4**

**Prairie Island Nuclear Generating Plant (PINGP) Units 1 and 2  
Dockets 50-282 and 50-306  
Licenses Nos. DPR-42 and DPR-60  
Monticello Nuclear Generating Plant (MNGP)  
Docket 50-263  
License No. DPR-22**

**Xcel Energy Breakdown of Annual Contributions and Trust Fund Balance**

The following table is the radiological decommissioning, spent fuel management, and site restoration segmentation of the trust fund balances for PINGP Units 1 and 2 and MNGP.

Since the last biennial funding status report, Xcel Energy has rebalanced the amount of funds allocated between the three cost components of decommissioning. This was done to properly balance funds against the new decommissioning cost study and to ensure proper funding for all three components. Enclosure 8 contains the split of the total fund balance in the cost components.

**Trust Fund Beginning Balances**

<b>Prairie Island Unit 1</b>	<b>2016</b>	<b>2017</b>
Radiological Decommissioning	337,631,083	358,639,700
Spent Fuel Management	106,250,437	112,861,720
Site Restoration	21,282,473	22,606,745
<b>Total</b>	<b>465,163,993</b>	<b>494,108,165</b>

  

<b>Prairie Island Unit 2</b>	<b>2016</b>	<b>2017</b>
Radiological Decommissioning	367,409,850	395,626,640
Spent Fuel Management	122,843,067	132,277,319
Site Restoration	25,135,958	27,066,380
<b>Total</b>	<b>515,388,875</b>	<b>554,970,339</b>

  

<b>Monticello</b>	<b>2016</b>	<b>2017</b>
Radiological Decommissioning	456,778,564	498,602,413
Spent Fuel Management	263,416,150	287,535,228
Site Restoration	23,402,567	25,545,368
<b>Total</b>	<b>743,597,281</b>	<b>811,683,009</b>

The following annual contributions table shows the approximate accrual segmentation for radiological decommissioning, spent fuel management, and site restoration for PINGP Units 1 and 2 and MNGP. See Enclosure 5 for the calculation of annual contributions for radiological decommissioning. See Enclosure 6 for the calculation of annual contributions for spent fuel management. See Enclosure 7 for the calculation of annual contributions for site restoration.

**Annual Contributions**

<b>Prairie Island Unit 1</b>	<b>2016</b>	<b>2017</b>
Radiological Decommissioning	486,428	486,428
Spent Fuel Management	0	0
Site Restoration	0	0
<b>Total</b>	<b>486,428</b>	<b>486,428</b>
<b>Prairie Island Unit 2</b>	<b>2016</b>	<b>2017</b>
Radiological Decommissioning	1,535,107	1,535,107
Spent Fuel Management	0	0
Site Restoration	0	0
<b>Total</b>	<b>1,535,107</b>	<b>1,535,107</b>
<b>Monticello Unit 1</b>	<b>2016</b>	<b>2017</b>
Radiological Decommissioning	6,030,008	6,030,008
Spent Fuel Management	12,011,286	12,011,286
Site Restoration	308,915	308,915
<b>Total</b>	<b>18,350,209</b>	<b>18,350,209</b>

**ENCLOSURE 5**

**ANNUAL ACCRUAL SUMMARY – RADIOLOGICAL**

**4 Pages Follow**

Levelized (beginning of year payment, mid year interest)

**ANNUAL ACCRUAL SUMMARY**

	2014-2015	2016+					
	Operational	Operational	Post-Shutdown	Present	Recovered	2016-2018	
Remaining	Earnings	Earnings	Earnings	Value to	Through	Decommissioning	
Life (yrs)	Rate	Rate	Rate	Decommission	12/31/2016	Accrual	
(7)	(8)	(9)	(9)	(6)	(12)	(13)	
Monticello	13.75	5.35%	6.20%	5.51%	\$1,213,177,556	\$498,602,413	6,030,008
Prairie Island Unit 1	16.80	5.50%	6.24%	5.35%	958,156,562	358,639,700	486,428
Prairie Island Unit 2	17.80	5.53%	6.30%	5.23%	1,164,842,945	395,626,640	1,535,107
<b>TOTAL DECOMMISSIONING ACCRUAL</b>					<b>\$3,336,177,063</b>	<b>\$1,252,868,754</b>	<b>\$8,051,544</b>

**INPUT DATA**

Escalation Rate (Operation/Radiological)	4.36%	(a)
Escalation Rate (ISFSI/Site Restoration)	3.36%	(a)
Jurisdictional Factor	100.0000%	(b)
IRS Tax Qualified Percent	100.00%	(c)
External Percent	100.00%	(d)

**NOTES**

**Input Data**

- (a) = Inflation rate from current filing documentation
- (b) = 2014 Minnesota jurisdictional percent from 2013 electric rate case
- (c) = IRS qualifying percent based upon 2005 Energy Policy Act
- (d) = Recommended external funding

**Amount to Recover**

- (1) = Current cost estimate by year from TLG Cost Study, 2014.
- (2) = Jurisdictional Nominal Cost = (1) x (b)
- (3) = Escalation factor based upon the applicable escalation rate for future value calculation
- (4) = Future Value of jurisdictional nominal cost
- (5) = Discount factor based upon the applicable earnings rate for present value calculation
- (6) = Present value to decommission at the start of 2015

**Decommissioning Accrual**

- (7) = Remaining life as of 1/1/15 based on E,G002/D-14-181
- (8) = Fund earnings rate approved in 2011 Triennial Decommissioning Filing
- (9) = Fund earnings rates proposed in 2014 Triennial Decommissioning Filing
- (10) = Total Market Value Fund Balance as of June 30, 2014
- (11) = Tax Effect Adjustment from Schedule G
- (12) = (10) - (11)



Levelized (beginning of year payment, mid year interest)

**AMOUNT TO RECOVER**

	Cost Estimate Nominal \$s	Jurisdictional Cost in Nominal \$s	Escalation Factor	Jurisdictional Cost in Future \$'s	Discount Factor	Present Value to Decommission
	(1)	(2)	(3)	(4)	(5)	(6)
<b>Monticello</b>			4.36%			
<i>Factors</i>	2014	100.0000%	3.36%		5.51%	2030
2030	\$19,421,458	\$19,421,458	1.9795	\$38,444,776	0.94778	\$36,437,190
2031	81,247,304	81,247,304	2.0658	167,840,682	0.89828	150,767,927
2032	150,680,711	150,680,711	2.1558	324,837,478	0.85137	276,556,883
2033	114,879,541	114,879,541	2.2498	258,455,990	0.80691	208,550,723
2034	72,315,168	72,315,168	2.3479	169,788,784	0.76477	129,849,368
2035	55,823,109	55,823,109	2.4503	136,783,364	0.72483	99,144,686
2036	10,920,499	10,920,499	2.5571	27,924,808	0.68698	19,183,784
2037	10,890,661	10,890,661	2.6686	29,062,819	0.65110	18,922,801
2038	10,890,661	10,890,661	2.7850	30,330,492	0.61710	18,716,947
2039	10,890,661	10,890,661	2.9064	31,652,618	0.58488	18,512,983
2040	10,920,499	10,920,499	3.0331	33,122,965	0.55433	18,361,053
2041	10,890,661	10,890,661	3.1653	34,472,210	0.52538	18,111,010
2042	10,890,661	10,890,661	3.3033	35,975,122	0.49795	17,913,812
2043	10,890,661	10,890,661	3.4474	37,544,466	0.47194	17,718,735
2044	10,920,499	10,920,499	3.5977	39,288,679	0.44730	17,573,826
2045	29,586,137	29,586,137	3.7545	111,081,153	0.42394	47,091,744
2046	51,267,604	51,267,604	3.9182	200,876,726	0.40180	80,712,268
2047	7,088,949	7,088,949	4.0891	28,987,421	0.38082	11,038,990
2048	108,754	108,754	4.2674	464,096	0.36093	167,506
2049	0	0	4.4534	0	0.34208	0
2050	0	0	4.6476	0	0.32422	0
2051	0	0	4.8502	0	0.30728	0
2052	0	0	5.0617	0	0.29124	0
2053	0	0	5.2824	0	0.27603	0
2054	0	0	5.5127	0	0.26161	0
2055	0	0	3.8766	0	0.24795	0
2056	0	0	4.0069	0	0.23500	0
2057	0	0	4.1415	0	0.22273	0
2058	0	0	4.2807	0	0.21110	0
2059	0	0	4.4245	0	0.20007	0
2060	0	0	4.5731	0	0.18963	0
2061	0	0	4.7268	0	0.17972	0
2062	0	0	4.8856	0	0.17034	0
2063	0	0	5.0498	0	0.16144	0
2064	0	0	5.2195	0	0.15301	0
2065	0	0	5.3948	0	0.14502	0
2066	0	0	5.5761	0	0.13745	0
2067	0	0	5.7635	0	0.13027	0
2068	0	0	5.9571	0	0.12347	0
2069	0	0	6.1573	0	0.11702	0
2070	0	0	6.3641	0	0.11091	0
2071	0	0	6.5780	0	0.10512	0
2072	0	0	6.7990	0	0.09963	0
2073	0	0	7.0274	0	0.09442	0
2074	0	0	7.2636	0	0.08949	0
2075	0	0	7.5076	0	0.08482	0
2076	0	0	7.7599	0	0.08039	0
2077	0	0	8.0206	2	0.07619	0
2078	0	0	8.2901	2	0.07221	0
2079	0	0	8.5687	2	0.06844	0
2080	0	0	8.8566	3	0.06487	0
2081	0	0	9.1541	3	0.06148	0
2082	0	0	9.4617	3	0.05827	0
2083	0	0	9.7796	3	0.05523	0
2084	0	0	10.1082	3	0.05234	0
2085	0	0	10.4479	3	0.04961	0
2086	0	0	10.7989	3	0.04702	0
2087	0	0	11.1618	3	0.04456	0
2088	0	0	11.5368	3	0.04224	0
2089	0	0	11.9244	3	0.04003	0
2090	9,602,119	9,602,119	12.3251	118,347,080	0.03794	4,490,088
2091	7,324,200	7,324,200	12.7392	93,304,445	0.03596	3,355,228
	\$697,450,523	\$697,450,523		\$1,948,586,209		\$1,213,177,556

Levelized (beginning of year payment, mid year interest)

**AMOUNT TO RECOVER**

	Cost Estimate Nominal \$s	Jurisdictional Cost in Nominal \$s	Escalation Factor	Jurisdictional Cost in Future \$'s	Discount Factor	Present Value to Decommission
	(1)	(2)	(3)	(4)	(5)	(6)
<b>Prairie Island Unit 1</b>			<b>4.36%</b>			
<i>Factors</i>	<i>2014</i>	<i>100.0000%</i>	<i>3.36%</i>		<i>5.35%</i>	<i>2033</i>
2033	\$25,245,893	\$25,245,893	2.2498	\$56,798,210	0.94922	\$53,913,997
2034	77,617,361	77,617,361	2.3479	182,237,801	0.90101	164,198,081
2035	115,513,707	115,513,707	2.4503	283,043,237	0.85526	242,075,559
2036	91,518,687	91,518,687	2.5571	234,022,435	0.81182	189,984,093
2037	47,443,756	47,443,756	2.6686	126,608,409	0.77060	97,564,440
2038	4,921,672	4,921,672	2.7850	13,706,858	0.73146	10,026,018
2039	4,921,672	4,921,672	2.9064	14,304,349	0.69432	9,931,796
2040	4,935,157	4,935,157	3.0331	14,968,823	0.65906	9,865,353
2041	4,921,672	4,921,672	3.1653	15,578,570	0.62559	9,745,798
2042	4,921,672	4,921,672	3.3033	16,257,761	0.59382	9,654,183
2043	4,921,672	4,921,672	3.4474	16,966,974	0.56366	9,563,604
2044	4,935,157	4,935,157	3.5977	17,755,213	0.53504	9,499,749
2045	4,921,672	4,921,672	3.7545	18,478,419	0.50787	9,384,635
2046	4,921,672	4,921,672	3.9182	19,284,097	0.48208	9,296,478
2047	4,921,672	4,921,672	4.0891	20,125,211	0.45760	9,209,297
2048	4,935,157	4,935,157	4.2674	21,060,287	0.43436	9,147,746
2049	10,851,624	10,851,624	4.4534	48,326,623	0.41230	19,925,067
2050	32,935,330	32,935,330	4.6476	153,070,240	0.39136	59,905,569
2051	8,553,252	8,553,252	4.8502	41,484,985	0.37149	15,411,257
2052	96,310	96,310	5.0617	487,492	0.35262	171,899
2053	45,260	45,260	5.2824	239,084	0.33471	80,024
2054	0	0	3.7506	0	0.31772	0
2055	0	0	3.8766	0	0.30158	0
2056	0	0	4.0069	0	0.28627	0
2057	0	0	4.1415	0	0.27173	0
2058	0	0	4.2807	0	0.25793	0
2059	0	0	4.4245	0	0.24483	0
2060	0	0	4.5731	0	0.23240	0
2061	0	0	4.7268	0	0.22060	0
2062	0	0	4.8856	0	0.20939	0
2063	0	0	5.0498	0	0.19876	0
2064	0	0	5.2195	0	0.18867	0
2065	0	0	5.3948	0	0.17909	0
2066	0	0	5.5761	0	0.16999	0
2067	0	0	5.7635	0	0.16136	0
2068	0	0	5.9571	0	0.15316	0
2069	0	0	6.1573	0	0.14539	0
2070	0	0	6.3641	0	0.13800	0
2071	0	0	6.5780	0	0.13099	0
2072	0	0	6.7990	0	0.12434	0
2073	0	0	7.0274	0	0.11803	0
2074	0	0	7.2636	0	0.11203	0
2075	0	0	7.5076	0	0.10634	0
2076	0	0	7.7599	0	0.10094	0
2077	11,050,246	11,050,246	8.0206	88,629,603	0.09582	8,492,489
2078	1,471,425	1,471,425	8.2901	12,198,257	0.09095	1,109,432
	\$476,521,702	\$476,521,702		\$1,415,632,938		\$958,156,562

Levelized (beginning of year payment, mid year interest)

**AMOUNT TO RECOVER**

	Cost Estimate Nominal \$s	Jurisdictional Cost in Nominal \$s	Escalation Factor	Jurisdictional Cost in Future \$'s	Discount Factor	Present Value to Decommission
	(1)	(2)	(3)	(4)	(5)	(6)
<b>Prairie Island Unit 2</b>			<b>4.36%</b>			
<i>Factors</i>	<i>2014</i>	<i>100.00000%</i>	<i>3.36%</i>		<i>5.23%</i>	<i>2034</i>
2034	\$9,569,898	\$9,569,898	2.3479	\$22,469,162	0.95030	\$21,352,445
2035	60,329,258	60,329,258	2.4503	147,824,780	0.90307	133,496,124
2036	109,834,268	109,834,268	2.5571	280,857,207	0.85819	241,028,846
2037	107,666,243	107,666,243	2.6686	287,318,136	0.81553	234,316,559
2038	91,781,503	91,781,503	2.7850	255,611,487	0.77500	198,098,902
2039	15,058,917	15,058,917	2.9064	43,767,237	0.73648	32,233,695
2040	9,199,725	9,199,725	3.0331	27,903,686	0.69988	19,529,232
2041	9,174,589	9,174,589	3.1653	29,040,327	0.66509	19,314,431
2042	9,174,589	9,174,589	3.3033	30,306,420	0.63204	19,154,870
2043	9,174,589	9,174,589	3.4474	31,628,479	0.60063	18,997,013
2044	9,199,725	9,199,725	3.5977	33,097,851	0.57077	18,891,260
2045	9,174,589	9,174,589	3.7545	34,445,995	0.54241	18,683,852
2046	9,174,589	9,174,589	3.9182	35,947,875	0.51545	18,529,332
2047	9,174,589	9,174,589	4.0891	37,515,812	0.48983	18,376,370
2048	9,199,725	9,199,725	4.2674	39,258,906	0.46549	18,274,628
2049	15,195,163	15,195,163	4.4534	67,670,140	0.44235	29,933,886
2050	38,137,305	38,137,305	4.6476	177,246,938	0.42037	74,509,296
2051	10,590,656	10,590,656	4.8502	51,366,801	0.39947	20,519,496
2052	41,183	41,183	5.0617	208,456	0.37962	79,134
2053	19,354	19,354	5.2824	102,234	0.36075	36,881
2054	0	-	3.7506	-	0.34282	0
2055	0	-	3.8766	-	0.32578	0
2056	0	-	4.0069	-	0.30959	0
2057	0	-	4.1415	-	0.29421	0
2058	0	-	4.2807	-	0.27958	0
2059	0	-	4.4245	-	0.26569	0
2060	0	-	4.5731	-	0.25248	0
2061	0	-	4.7268	-	0.23993	0
2062	0	-	4.8856	-	0.22801	0
2063	0	-	5.0498	-	0.21668	0
2064	0	-	5.2195	-	0.20591	0
2065	0	-	5.3948	-	0.19567	0
2066	0	-	5.5761	-	0.18595	0
2067	0	-	5.7635	-	0.17671	0
2068	0	-	5.9571	-	0.16792	0
2069	0	-	6.1573	-	0.15958	0
2070	0	-	6.3641	-	0.15165	0
2071	0	-	6.5780	-	0.14411	0
2072	0	-	6.7990	-	0.13695	0
2073	0	-	7.0274	-	0.13014	0
2074	0	-	7.2636	-	0.12367	0
2075	0	-	7.5076	-	0.11753	0
2076	0	-	7.7599	-	0.11169	0
2077	9,698,476	9,698,476	8.0206	77,787,597	0.10614	8,256,376
2078	1,471,425	1,471,425	8.2901	12,198,257	0.10086	1,230,316
	\$552,040,358	\$552,040,358		\$1,723,573,783		\$1,164,842,945
	\$1,726,012,583	\$1,726,012,583		\$5,087,792,930		\$3,336,177,063

**ENCLOSURE 6**

**ANNUAL ACCRUAL SUMMARY – SPENT FUEL MANAGEMENT**

**4 Pages Follow**

Levelized (beginning of year payment, mid year interest)

**ANNUAL ACCRUAL SUMMARY**

	2014-2015	2016+					
	Operational	Operational	Post-Shutdown	Present	Recovered	2016-2018	
Remaining	Earnings	Earnings	Earnings	Value to	Through	Decommissioning	
Life (yrs)	Rate	Rate	Rate	Decommission	12/31/2016	Accrual	
(7)	(8)	(9)	(9)	(6)	(12)	(13)	
Monticello	13.75	5.35%	6.20%	5.51%	\$699,618,123	\$287,535,228	12,011,286
Prairie Island Unit 1	16.80	5.50%	6.24%	5.35%	418,287,633	112,861,720	0
Prairie Island Unit 2	17.80	5.53%	6.30%	5.23%	536,519,944	132,277,319	0
<b>TOTAL DECOMMISSIONING ACCRUAL</b>					<b>\$1,654,425,700</b>	<b>\$532,674,267</b>	<b>\$12,011,286</b>

**INPUT DATA**

Escalation Rate (Operation/Radiological)	4.36%	(a)
Escalation Rate (ISFSI/Site Restoration)	3.36%	(a)
Jurisdictional Factor	100.0000%	(b)
IRS Tax Qualified Percent	100.00%	(c)
External Percent	100.00%	(d)

**NOTES**

**Input Data**

- (a) = Inflation rate from current filing documentation
- (b) = 2014 Minnesota jurisdictional percent from 2013 electric rate case
- (c) = IRS qualifying percent based upon 2005 Energy Policy Act
- (d) = Recommended external funding

**Amount to Recover**

- (1) = Current cost estimate by year from TLG Cost Study, 2014.
- (2) = Jurisdictional Nominal Cost = (1) x (b)
- (3) = Escalation factor based upon the applicable escalation rate for future value calculation
- (4) = Future Value of jurisdictional nominal cost
- (5) = Discount factor based upon the applicable earnings rate for present value calculation
- (6) = Present value to decommission at the start of 2015

**Decommissioning Accrual**

- (7) = Remaining life as of 1/1/15 based on E,G002/D-14-181
- (8) = Fund earnings rate approved in 2011 Triennial Decommissioning Filing
- (9) = Fund earnings rates proposed in 2014 Triennial Decommissioning Filing
- (10) = Total Market Value Fund Balance as of June 30, 2014
- (11) = Tax Effect Adjustment from Schedule G
- (12) = (10) - (11)

Levelized (beginning of year payment, mid year interest)

**AMOUNT TO RECOVER**

	Cost Estimate Nominal \$s	Jurisdictional Cost in Nominal \$s	Escalation Factor	Jurisdictional Cost in Future \$'s	Discount Factor	Present Value to Decommission
	(1)	(2)	(3)	(4)	(5)	(6)
<b>Monticello</b>			4.36%			
<i>Factors</i>	<i>2014</i>	<i>100.0000%</i>	<i>3.36%</i>		<i>5.51%</i>	<i>2030</i>
2030	\$10,567,348	\$10,567,348	1.9795	\$20,918,066	0.94778	\$19,825,725
2031	24,394,724	24,394,724	2.0658	50,394,621	0.89828	45,268,480
2032	4,030,061	4,030,061	2.1558	8,688,005	0.85137	7,396,707
2033	11,272,002	11,272,002	2.2498	25,359,751	0.80691	20,463,037
2034	18,842,511	18,842,511	2.3479	44,240,332	0.76477	33,833,678
2035	26,231,307	26,231,307	2.4503	64,274,572	0.72483	46,588,138
2036	8,706,796	8,706,796	2.5571	22,264,147	0.68698	15,295,024
2037	8,683,174	8,683,174	2.6686	23,171,919	0.65110	15,087,236
2038	8,683,174	8,683,174	2.7850	24,182,640	0.61710	14,923,107
2039	8,683,174	8,683,174	2.9064	25,236,777	0.58488	14,760,486
2040	8,706,796	8,706,796	3.0331	26,408,582	0.55433	14,639,069
2041	8,683,174	8,683,174	3.1653	27,484,851	0.52538	14,439,991
2042	8,683,174	8,683,174	3.3033	28,683,129	0.49795	14,282,764
2043	8,683,174	8,683,174	3.4474	29,934,375	0.47194	14,127,229
2044	8,706,796	8,706,796	3.5977	31,324,438	0.44730	14,011,421
2045	40,014,158	40,014,158	3.7545	150,233,158	0.42394	63,689,845
2046	9,061,852	9,061,852	3.9182	35,506,148	0.40180	14,266,370
2047	5,513,294	5,513,294	4.0891	22,544,412	0.38082	8,585,363
2048	6,850,935	6,850,935	4.2674	29,235,678	0.36093	10,552,033
2049	5,989,212	5,989,212	4.4534	26,672,357	0.34208	9,124,080
2050	14,680,018	14,680,018	4.6476	68,226,850	0.32422	22,120,509
2051	19,430,500	19,430,500	4.8502	94,241,813	0.30728	28,958,624
2052	11,529,270	11,529,270	5.0617	58,357,705	0.29124	16,996,098
2053	17,847,006	17,847,006	5.2824	94,275,025	0.27603	26,022,735
2054	22,597,489	22,597,489	5.5127	124,573,177	0.26161	32,589,589
2055	5,927,836	5,927,836	3.8766	22,979,850	0.24795	5,697,854
2056	5,944,077	5,944,077	4.0069	23,817,322	0.23500	5,597,071
2057	5,927,836	5,927,836	4.1415	24,550,134	0.22273	5,468,051
2058	5,927,836	5,927,836	4.2807	25,375,289	0.21110	5,356,723
2059	5,927,836	5,927,836	4.4245	26,227,712	0.20007	5,247,378
2060	5,944,077	5,944,077	4.5731	27,182,858	0.18963	5,154,685
2061	5,927,836	5,927,836	4.7268	28,019,697	0.17972	5,035,700
2062	5,927,836	5,927,836	4.8856	28,961,037	0.17034	4,933,223
2063	5,927,836	5,927,836	5.0498	29,934,388	0.16144	4,832,608
2064	5,944,077	5,944,077	5.2195	31,025,110	0.15301	4,747,152
2065	5,927,836	5,927,836	5.3948	31,979,491	0.14502	4,637,666
2066	5,927,836	5,927,836	5.5761	33,054,208	0.13745	4,543,301
2067	5,927,836	5,927,836	5.7635	34,165,085	0.13027	4,450,686
2068	5,944,077	5,944,077	5.9571	35,409,461	0.12347	4,372,006
2069	5,927,836	5,927,836	6.1573	36,499,467	0.11702	4,271,168
2070	5,927,836	5,927,836	6.3641	37,725,343	0.11091	4,184,118
2071	5,927,836	5,927,836	6.5780	38,993,307	0.10512	4,098,976
2072	5,944,077	5,944,077	6.7990	40,413,779	0.09963	4,026,425
2073	5,927,836	5,927,836	7.0274	41,657,277	0.09442	3,933,280
2074	5,927,836	5,927,836	7.2636	43,057,432	0.08949	3,853,210
2075	5,927,836	5,927,836	7.5076	44,503,824	0.08482	3,774,814
2076	5,944,077	5,944,077	7.7599	46,125,443	0.08039	3,708,024
2077	6,866,280	6,866,280	8.0206	55,071,685	0.07619	4,195,912
2078	8,212,366	8,212,366	8.2901	68,081,339	0.07221	4,916,153
2079	7,876,027	7,876,027	8.5687	67,487,316	0.06844	4,618,832
2080	7,892,998	7,892,998	8.8566	69,905,127	0.06487	4,534,746
2081	7,876,027	7,876,027	9.1541	72,097,942	0.06148	4,432,581
2082	8,212,366	8,212,366	9.4617	77,702,947	0.05827	4,527,751
2083	7,876,027	7,876,027	9.7796	77,024,397	0.05523	4,254,057
2084	7,892,998	7,892,998	10.1082	79,784,004	0.05234	4,175,895
2085	7,876,027	7,876,027	10.4479	82,287,946	0.04961	4,082,305
2086	8,212,366	8,212,366	10.7989	88,684,524	0.04702	4,169,946
2087	7,876,027	7,876,027	11.1618	87,910,642	0.04456	3,917,298
2088	10,348,028	10,348,028	11.5368	119,383,129	0.04224	5,042,743
2089	7,876,027	7,876,027	11.9244	93,916,900	0.04003	3,759,494
2090	6,867,010	6,867,010	12.3251	84,636,586	0.03794	3,211,112
2091	17,112	17,112	12.7392	217,990	0.03596	7,839
	\$569,358,652	\$569,358,652		\$3,012,282,516		\$699,618,123

Levelized (beginning of year payment, mid year interest)

**AMOUNT TO RECOVER**

	Cost Estimate Nominal \$s	Jurisdictional Cost in Nominal \$s	Escalation Factor	Jurisdictional Cost in Future \$'s	Discount Factor	Present Value to Decommission
	(1)	(2)	(3)	(4)	(5)	(6)
<b>Prairie Island Unit 1</b>			<b>4.36%</b>			
<i>Factors</i>	<i>2014</i>	<i>100.0000%</i>	<i>3.36%</i>		<i>5.35%</i>	<i>2033</i>
2033	\$850,895	\$850,895	2.2498	\$1,914,343	0.94922	\$1,817,132
2034	3,925,760	3,925,760	2.3479	9,217,292	0.90101	8,304,873
2035	16,628,759	16,628,759	2.4503	40,745,449	0.85526	34,847,953
2036	13,332,026	13,332,026	2.5571	34,091,323	0.81182	27,676,018
2037	12,450,122	12,450,122	2.6686	33,224,395	0.77060	25,602,719
2038	2,238,460	2,238,460	2.7850	6,234,112	0.73146	4,560,003
2039	8,891,096	8,891,096	2.9064	25,841,081	0.69432	17,941,980
2040	2,244,593	2,244,593	3.0331	6,808,075	0.65906	4,486,930
2041	15,543,732	15,543,732	3.1653	49,200,574	0.62559	30,779,387
2042	2,238,460	2,238,460	3.3033	7,394,306	0.59382	4,390,887
2043	15,543,732	15,543,732	3.4474	53,585,461	0.56366	30,203,981
2044	2,244,593	2,244,593	3.5977	8,075,372	0.53504	4,320,647
2045	15,543,732	15,543,732	3.7545	58,358,941	0.50787	29,638,755
2046	2,238,460	2,238,460	3.9182	8,770,735	0.48208	4,228,196
2047	15,543,732	15,543,732	4.0891	63,559,873	0.45760	29,084,998
2048	2,244,593	2,244,593	4.2674	9,578,576	0.43436	4,160,550
2049	22,042,532	22,042,532	4.4534	98,164,214	0.41230	40,473,105
2050	935,936	935,936	4.6476	4,349,855	0.39136	1,702,359
2051	2,304,713	2,304,713	4.8502	11,178,318	0.37149	4,152,633
2052	3,418,926	3,418,926	5.0617	17,305,579	0.35262	6,102,293
2053	3,825,877	3,825,877	5.2824	20,209,813	0.33471	6,764,427
2054	4,365,043	4,365,043	5.7506	16,371,530	0.31772	5,201,562
2055	4,028,704	4,028,704	3.8766	15,617,673	0.30158	4,709,978
2056	4,542,868	4,542,868	4.0069	18,202,817	0.28627	5,210,920
2057	4,028,704	4,028,704	4.1415	16,684,877	0.27173	4,533,782
2058	3,860,534	3,860,534	4.2807	16,525,789	0.25793	4,262,497
2059	4,196,873	4,196,873	4.4245	18,569,066	0.24483	4,546,264
2060	4,038,359	4,038,359	4.5731	18,467,820	0.23240	4,291,921
2061	4,196,873	4,196,873	4.7268	19,837,781	0.22060	4,376,214
2062	4,196,873	4,196,873	4.8856	20,504,244	0.20939	4,293,384
2063	4,196,873	4,196,873	5.0498	21,193,371	0.19876	4,212,394
2064	4,038,359	4,038,359	5.2195	21,078,215	0.18867	3,976,827
2065	4,196,873	4,196,873	5.3948	22,641,292	0.17909	4,054,829
2066	4,196,873	4,196,873	5.5761	23,402,185	0.16999	3,978,137
2067	4,028,704	4,028,704	5.7635	23,219,434	0.16136	3,746,688
2068	4,206,529	4,206,529	5.9571	25,058,712	0.15316	3,837,992
2069	4,196,873	4,196,873	6.1573	25,841,408	0.14539	3,757,082
2070	4,028,704	4,028,704	6.3641	25,639,074	0.13800	3,538,192
2071	4,196,873	4,196,873	6.5780	27,607,033	0.13099	3,616,245
2072	4,206,529	4,206,529	6.7990	28,600,188	0.12434	3,556,147
2073	4,028,704	4,028,704	7.0274	28,311,313	0.11803	3,341,584
2074	4,196,873	4,196,873	7.2636	30,484,409	0.11203	3,415,168
2075	5,424,388	5,424,388	7.5076	40,724,137	0.10634	4,330,605
2076	4,038,359	4,038,359	7.7599	31,337,263	0.10094	3,163,183
2077	4,028,720	4,028,720	8.0206	32,312,749	0.09582	3,096,208
2078	0	0	8.2901	0	0.09095	0
	\$264,895,795	\$264,895,795		\$1,136,040,066		\$418,287,633

Levelized (beginning of year payment, mid year interest)

**AMOUNT TO RECOVER**

	Cost Estimate Nominal \$s	Jurisdictional Cost in Nominal \$s	Escalation Factor	Jurisdictional Cost in Future \$'s	Discount Factor	Present Value to Decommission
	(1)	(2)	(3)	(4)	(5)	(6)
<b>Prairie Island Unit 2</b>			<b>4.36%</b>			
<i>Factors</i>	<i>2014</i>	<i>100.00000%</i>	<i>3.36%</i>		<i>5.23%</i>	<i>2034</i>
2034	\$3,438,926	\$3,438,926	2.3479	\$8,074,255	0.95030	\$7,672,965
2035	18,303,297	18,303,297	2.4503	44,848,570	0.90307	40,501,398
2036	10,762,920	10,762,920	2.5571	27,521,863	0.85819	23,618,988
2037	8,261,345	8,261,345	2.6686	22,046,225	0.81553	17,979,358
2038	6,026,510	6,026,510	2.7850	16,783,831	0.77500	13,007,469
2039	12,670,326	12,670,326	2.9064	36,825,035	0.73648	27,120,902
2040	6,545,128	6,545,128	3.0331	19,852,028	0.69988	13,894,038
2041	19,832,517	19,832,517	3.1653	62,775,866	0.66509	41,751,600
2042	6,527,245	6,527,245	3.3033	21,561,450	0.63204	13,627,699
2043	19,832,517	19,832,517	3.4474	68,370,619	0.60063	41,065,445
2044	6,545,128	6,545,128	3.5977	23,547,408	0.57077	13,440,154
2045	19,832,517	19,832,517	3.7545	74,461,185	0.54241	40,388,491
2046	6,527,245	6,527,245	3.9182	25,575,053	0.51545	13,182,661
2047	19,832,517	19,832,517	4.0891	81,097,145	0.48983	39,723,814
2048	6,545,128	6,545,128	4.2674	27,930,680	0.46549	13,001,452
2049	25,579,311	25,579,311	4.4534	113,914,905	0.44235	50,390,258
2050	935,936	935,936	4.6476	4,349,855	0.42037	1,828,549
2051	2,304,713	2,304,713	4.8502	11,178,318	0.39947	4,465,403
2052	3,418,926	3,418,926	5.0617	17,305,579	0.37962	6,569,544
2053	3,825,877	3,825,877	5.2824	20,209,813	0.36075	7,290,690
2054	4,365,043	4,365,043	3.7506	16,371,530	0.34282	5,612,488
2055	4,028,704	4,028,704	3.8766	15,617,673	0.32578	5,087,926
2056	4,542,868	4,542,868	4.0069	18,202,817	0.30959	5,635,410
2057	4,028,704	4,028,704	4.1415	16,684,877	0.29421	4,908,858
2058	3,860,534	3,860,534	4.2807	16,525,789	0.27958	4,620,280
2059	4,196,873	4,196,873	4.4245	18,569,066	0.26569	4,933,615
2060	4,038,359	4,038,359	4.5731	18,467,820	0.25248	4,662,755
2061	4,196,873	4,196,873	4.7268	19,837,781	0.23993	4,759,679
2062	4,196,873	4,196,873	4.8856	20,504,244	0.22801	4,675,173
2063	4,196,873	4,196,873	5.0498	21,193,371	0.21668	4,592,180
2064	4,038,359	4,038,359	5.2195	21,078,215	0.20591	4,340,215
2065	4,196,873	4,196,873	5.3948	22,641,292	0.19567	4,430,222
2066	4,196,873	4,196,873	5.5761	23,402,185	0.18595	4,351,636
2067	4,028,704	4,028,704	5.7635	23,219,434	0.17671	4,103,106
2068	4,206,529	4,206,529	5.9571	25,058,712	0.16792	4,207,859
2069	4,196,873	4,196,873	6.1573	25,841,408	0.15958	4,123,772
2070	4,028,704	4,028,704	6.3641	25,639,074	0.15165	3,888,166
2071	4,196,873	4,196,873	6.5780	27,607,033	0.14411	3,978,449
2072	4,206,529	4,206,529	6.7990	28,600,188	0.13695	3,916,796
2073	4,028,704	4,028,704	7.0274	28,311,313	0.13014	3,684,434
2074	4,196,873	4,196,873	7.2636	30,484,409	0.12367	3,770,007
2075	5,424,388	5,424,388	7.5076	40,724,137	0.11753	4,786,308
2076	4,038,359	4,038,359	7.7599	31,337,263	0.11169	3,500,059
2077	4,028,720	4,028,720	8.0206	32,312,749	0.10614	3,429,675
2078	0	-	8.2901	-	0.10086	0
	\$308,213,097	\$308,213,097		\$1,296,462,060		\$536,519,944
	\$1,142,467,544	\$1,142,467,544		\$5,444,784,641		\$1,654,425,700



**ENCLOSURE 7**

**ANNUAL ACCRUAL SUMMARY – SITE RESTORATION**

**4 Pages Follow**

Levelized (beginning of year payment, mid year interest)

**ANNUAL ACCRUAL SUMMARY**

	2014-2015	2016+					
	Operational	Operational	Post-Shutdown	Present	Recovered	2016-2018	
Remaining	Earnings	Earnings	Earnings	Value to	Through	Decommissioning	
Life (yrs)	Rate	Rate	Rate	Decommission	12/31/2016	Accrual	
(7)	(8)	(9)	(9)	(6)	(12)	(13)	
Monticello	13.75	5.35%	6.20%	5.51%	\$62,155,871	\$25,545,368	308,915
Prairie Island Unit 1	16.80	5.50%	6.24%	5.35%	83,785,024	22,606,745	0
Prairie Island Unit 2	17.80	5.53%	6.30%	5.23%	109,781,880	27,066,380	0
<b>TOTAL DECOMMISSIONING ACCRUAL</b>					<b>\$255,722,774</b>	<b>\$75,218,493</b>	<b>\$308,915</b>

**INPUT DATA**

Escalation Rate (Operation/Radiological)	4.36%	(a)
Escalation Rate (ISFSI/Site Restoration)	3.36%	(a)
Jurisdictional Factor	100.0000%	(b)
IRS Tax Qualified Percent	100.00%	(c)
External Percent	100.00%	(d)

**NOTES**

**Input Data**

- (a) = Inflation rate from current filing documentation
- (b) = 2014 Minnesota jurisdictional percent from 2013 electric rate case
- (c) = IRS qualifying percent based upon 2005 Energy Policy Act
- (d) = Recommended external funding

**Amount to Recover**

- (1) = Current cost estimate by year from TLG Cost Study, 2014.
- (2) = Jurisdictional Nominal Cost = (1) x (b)
- (3) = Escalation factor based upon the applicable escalation rate for future value calculation
- (4) = Future Value of jurisdictional nominal cost
- (5) = Discount factor based upon the applicable earnings rate for present value calculation
- (6) = Present value to decommission at the start of 2015

**Decommissioning Accrual**

- (7) = Remaining life as of 1/1/15 based on E,G002/D-14-181
- (8) = Fund earnings rate approved in 2011 Triennial Decommissioning Filing
- (9) = Fund earnings rates proposed in 2014 Triennial Decommissioning Filing
- (10) = Total Market Value Fund Balance as of June 30, 2014
- (11) = Tax Effect Adjustment from Schedule G
- (12) = (10) - (11)

Levelized (beginning of year payment, mid year interest)

**AMOUNT TO RECOVER**

	Cost Estimate Nominal \$s	Jurisdictional Cost in Nominal \$s	Escalation Factor	Jurisdictional Cost in Future \$'s	Discount Factor	Present Value to Decommission
	(1)	(2)	(3)	(4)	(5)	(6)
<b>Monticello</b>			4.36%			
<i>Factors</i>	2014	100.0000%	3.36%		5.51%	2030
2030	\$152,968	\$152,968	1.9795	\$302,801	0.94778	\$286,988
2031	589,490	589,490	2.0658	1,217,768	0.89828	1,093,897
2032	411,835	411,835	2.1558	887,834	0.85137	755,875
2033	163,437	163,437	2.2498	367,700	0.80691	296,701
2034	4,238	4,238	2.3479	9,950	0.76477	7,609
2035	3,100	3,100	2.4503	7,596	0.72483	5,506
2036	0	0	2.5571	0	0.68698	0
2037	0	0	2.6686	0	0.65110	0
2038	0	0	2.7850	0	0.61710	0
2039	0	0	2.9064	0	0.58488	0
2040	0	0	3.0331	0	0.55433	0
2041	0	0	3.1653	0	0.52538	0
2042	0	0	3.3033	0	0.49795	0
2043	0	0	3.4474	0	0.47194	0
2044	0	0	3.5977	0	0.44730	0
2045	0	0	3.7545	0	0.42394	0
2046	0	0	3.9182	0	0.40180	0
2047	17,736,597	17,736,597	4.0891	72,526,720	0.38082	27,619,625
2048	20,321,932	20,321,932	4.2674	86,721,812	0.36093	31,300,503
2049	0	0	4.4534	0	0.34208	0
2050	0	0	4.6476	0	0.32422	0
2051	0	0	4.8502	0	0.30728	0
2052	0	0	5.0617	0	0.29124	0
2053	0	0	5.2824	0	0.27603	0
2054	0	0	5.5127	0	0.26161	0
2055	0	0	3.8766	0	0.24795	0
2056	0	0	4.0069	0	0.23500	0
2057	0	0	4.1415	0	0.22273	0
2058	0	0	4.2807	0	0.21110	0
2059	0	0	4.4245	0	0.20007	0
2060	0	0	4.5731	0	0.18963	0
2061	0	0	4.7268	0	0.17972	0
2062	0	0	4.8856	0	0.17034	0
2063	0	0	5.0498	0	0.16144	0
2064	0	0	5.2195	0	0.15301	0
2065	0	0	5.3948	0	0.14502	0
2066	0	0	5.5761	0	0.13745	0
2067	0	0	5.7635	0	0.13027	0
2068	0	0	5.9571	0	0.12347	0
2069	0	0	6.1573	0	0.11702	0
2070	0	0	6.3641	0	0.11091	0
2071	0	0	6.5780	0	0.10512	0
2072	0	0	6.7990	0	0.09963	0
2073	0	0	7.0274	0	0.09442	0
2074	0	0	7.2636	0	0.08949	0
2075	0	0	7.5076	0	0.08482	0
2076	0	0	7.7599	0	0.08039	0
2077	0	0	8.0206	0	0.07619	0
2078	0	0	8.2901	0	0.07221	0
2079	0	0	8.5687	0	0.06844	0
2080	0	0	8.8566	0	0.06487	0
2081	0	0	9.1541	0	0.06148	0
2082	0	0	9.4617	0	0.05827	0
2083	0	0	9.7796	0	0.05523	0
2084	0	0	10.1082	0	0.05234	0
2085	0	0	10.4479	0	0.04961	0
2086	0	0	10.7989	0	0.04702	0
2087	0	0	11.1618	0	0.04456	0
2088	0	0	11.5368	0	0.04224	0
2089	0	0	11.9244	0	0.04003	0
2090	0	0	12.3251	0	0.03794	0
2091	1,722,688	1,722,688	12.7392	21,945,672	0.03596	789,166
	\$41,106,285	\$41,106,285		\$183,987,851		\$62,155,871

Levelized (beginning of year payment, mid year interest)

**AMOUNT TO RECOVER**

	Cost Estimate Nominal \$s	Jurisdictional Cost in Nominal \$s	Escalation Factor	Jurisdictional Cost in Future \$'s	Discount Factor	Present Value to Decommission
	(1)	(2)	(3)	(4)	(5)	(6)
<b>Prairie Island Unit 1</b>			<b>4.36%</b>			
<i>Factors</i>	<i>2014</i>	<i>100.0000%</i>	<i>3.36%</i>		<i>5.35%</i>	<i>2033</i>
2033	\$258,731	\$258,731	2.2498	\$582,094	0.94922	\$552,535
2034	1,060,150	1,060,150	2.3479	2,489,125	0.90101	2,242,727
2035	1,944,088	1,944,088	2.4503	4,763,599	0.85526	4,074,116
2036	2,058,613	2,058,613	2.5571	5,264,080	0.81182	4,273,486
2037	1,302,185	1,302,185	2.6686	3,475,010	0.77060	2,677,843
2038	61,334	61,334	2.7850	170,815	0.73146	124,944
2039	61,334	61,334	2.9064	178,261	0.69432	123,770
2040	61,502	61,502	3.0331	186,541	0.65906	122,942
2041	61,334	61,334	3.1653	194,140	0.62559	121,452
2042	61,334	61,334	3.3033	202,604	0.59382	120,310
2043	61,334	61,334	3.4474	211,442	0.56366	119,182
2044	61,502	61,502	3.5977	221,265	0.53504	118,386
2045	61,334	61,334	3.7545	230,278	0.50787	116,951
2046	61,334	61,334	3.9182	240,318	0.48208	115,853
2047	61,334	61,334	4.0891	250,800	0.45760	114,766
2048	61,502	61,502	4.2674	262,453	0.43436	113,999
2049	61,334	61,334	4.4534	273,144	0.41230	112,617
2050	61,334	61,334	4.6476	285,055	0.39136	111,559
2051	11,589,297	11,589,297	4.8502	56,210,410	0.37149	20,881,605
2052	17,939,615	17,939,615	5.0617	90,804,948	0.35262	32,019,641
2053	8,430,639	8,430,639	5.2824	44,534,006	0.33471	14,905,977
2054	0	0	3.7506	0	0.31772	0
2055	0	0	3.8766	0	0.30158	0
2056	0	0	4.0069	0	0.28627	0
2057	0	0	4.1415	0	0.27173	0
2058	0	0	4.2807	0	0.25793	0
2059	0	0	4.4245	0	0.24483	0
2060	0	0	4.5731	0	0.23240	0
2061	0	0	4.7268	0	0.22060	0
2062	0	0	4.8856	0	0.20939	0
2063	0	0	5.0498	0	0.19876	0
2064	0	0	5.2195	0	0.18867	0
2065	0	0	5.3948	0	0.17909	0
2066	0	0	5.5761	0	0.16999	0
2067	0	0	5.7635	0	0.16136	0
2068	0	0	5.9571	0	0.15316	0
2069	0	0	6.1573	0	0.14539	0
2070	0	0	6.3641	0	0.13800	0
2071	0	0	6.5780	0	0.13099	0
2072	0	0	6.7990	0	0.12434	0
2073	0	0	7.0274	0	0.11803	0
2074	0	0	7.2636	0	0.11203	0
2075	0	0	7.5076	0	0.10634	0
2076	0	0	7.7599	0	0.10094	0
2077	0	0	8.0206	0	0.09582	0
2078	822,778	822,778	8.2901	6,820,914	0.09095	620,362
	\$46,203,941	\$46,203,941		\$217,851,305		\$83,785,024

Levelized (beginning of year payment, mid year interest)

**AMOUNT TO RECOVER**

	Cost Estimate Nominal \$s	Jurisdictional Cost in Nominal \$s	Escalation Factor	Jurisdictional Cost in Future \$'s	Discount Factor	Present Value to Decommission
	(1)	(2)	(3)	(4)	(5)	(6)
<b>Prairie Island Unit 2</b>			<b>4.36%</b>			
<i>Factors</i>	<i>2014</i>	<i>100.00000%</i>	<i>3.36%</i>		<i>5.23%</i>	<i>2034</i>
2034	\$54,987	\$54,987	2.3479	\$129,104	0.95030	\$122,688
2035	390,765	390,765	2.4503	957,490	0.90307	864,681
2036	1,832,518	1,832,518	2.5571	4,685,932	0.85819	4,021,420
2037	2,148,588	2,148,588	2.6686	5,733,721	0.81553	4,676,021
2038	1,894,535	1,894,535	2.7850	5,276,280	0.77500	4,089,117
2039	191,918	191,918	2.9064	557,791	0.73648	410,802
2040	61,502	61,502	3.0331	186,541	0.69988	130,557
2041	61,334	61,334	3.1653	194,140	0.66509	129,121
2042	61,334	61,334	3.3033	202,604	0.63204	128,054
2043	61,334	61,334	3.4474	211,442	0.60063	126,999
2044	61,502	61,502	3.5977	221,265	0.57077	126,292
2045	61,334	61,334	3.7545	230,278	0.54241	124,905
2046	61,334	61,334	3.9182	240,318	0.51545	123,872
2047	61,334	61,334	4.0891	250,800	0.48983	122,850
2048	61,502	61,502	4.2674	262,453	0.46549	122,169
2049	61,334	61,334	4.4534	273,144	0.44235	120,825
2050	61,334	61,334	4.6476	285,055	0.42037	119,829
2051	14,870,672	14,870,672	4.8502	72,125,732	0.39947	28,812,066
2052	23,028,526	23,028,526	5.0617	116,563,490	0.37962	44,249,832
2053	10,822,149	10,822,149	5.2824	57,166,919	0.36075	20,622,966
2054	0	-	3.7506	-	0.34282	0
2055	0	-	3.8766	-	0.32578	0
2056	0	-	4.0069	-	0.30959	0
2057	0	-	4.1415	-	0.29421	0
2058	0	-	4.2807	-	0.27958	0
2059	0	-	4.4245	-	0.26569	0
2060	0	-	4.5731	-	0.25248	0
2061	0	-	4.7268	-	0.23993	0
2062	0	-	4.8856	-	0.22801	0
2063	0	-	5.0498	-	0.21668	0
2064	0	-	5.2195	-	0.20591	0
2065	0	-	5.3948	-	0.19567	0
2066	0	-	5.5761	-	0.18595	0
2067	0	-	5.7635	-	0.17671	0
2068	0	-	5.9571	-	0.16792	0
2069	0	-	6.1573	-	0.15958	0
2070	0	-	6.3641	-	0.15165	0
2071	0	-	6.5780	-	0.14411	0
2072	0	-	6.7990	-	0.13695	0
2073	0	-	7.0274	-	0.13014	0
2074	0	-	7.2636	-	0.12367	0
2075	0	-	7.5076	-	0.11753	0
2076	0	-	7.7599	-	0.11169	0
2077	0	-	8.0206	-	0.10614	0
2078	642,016	642,016	8.2901	5,322,380	0.10086	536,815
	\$56,551,850	\$56,551,850		\$271,076,882		\$109,781,880
	\$143,862,075	\$143,862,075		\$672,916,038		\$255,722,774

**ENCLOSURE 8**

**ANNUAL ACCRUAL SUMMARY – ITEMIZED TRUST FUND BALANCES**

**4 Pages Follow**

**Balances as of January 01, 2016****Excluded from  
NRC calculation**

<u>External Qualified</u>	Book Value			Market Adjustment			Market Value			All Units
	Monti	PI1	PI2	Monti	PI1	PI2	Monti	PI1	PI2	
Radiological	405,148,477	287,487,688	313,577,154	51,604,507	50,119,832	53,791,420	456,752,983	337,607,521	367,368,574	1,161,729,078
Spent Fuel	233,641,989	90,470,617	104,844,166	29,759,410	15,772,405	17,985,100	263,401,399	106,243,021	122,829,267	492,473,687
Site Restoration	20,757,354	18,121,699	21,453,051	2,643,902	3,159,288	3,680,083	23,401,257	21,280,988	25,133,134	69,815,379
Total	659,547,820	396,080,005	439,874,371	84,007,819	69,051,525	75,456,604	743,555,639	465,131,530	515,330,976	1,724,018,144
<u>External Escrow</u>	Monti	PI1	PI2	Monti	PI1	PI2	Monti	PI1	PI2	
Radiological	8,781	29,837	54,615	16,799	(6,274)	(13,340)	25,580	23,563	41,275	90,418
Spent Fuel	5,064	9,389	18,261	9,688	(1,974)	(4,460)	14,752	7,415	13,800	35,967
Site Restoration	450	1,881	3,736	861	(395)	(913)	1,311	1,485	2,824	5,620
Total	14,295	41,107	76,612	27,348	(8,644)	(18,713)	41,643	32,463	57,899	132,005
<u>Grand Total</u>	Monti	PI1	PI2	Monti	PI1	PI2	Monti	PI1	PI2	
Radiological	405,157,258	287,517,525	313,631,769	51,621,306	50,113,558	53,778,080	456,778,564	337,631,083	367,409,850	1,161,819,497
Spent Fuel	233,647,053	90,480,006	104,862,427	29,769,098	15,770,430	17,980,640	263,416,150	106,250,437	122,843,067	492,509,654
Site Restoration	20,757,804	18,123,580	21,456,787	2,644,763	3,158,893	3,679,171	23,402,567	21,282,473	25,135,958	69,820,999
Total	659,562,115	396,121,112	439,950,984	84,035,167	69,042,881	75,437,891	743,597,281	465,163,993	515,388,875	1,724,150,149

**Balances as of January 01, 2016**

External Qualified	Book Value			Market Adjust			Market Value		
	Monti	PI1	PI2	Monti	PI1	PI2	Monti	PI1	PI2
MN Retail	486,466,245.47	292,642,194.12	326,089,262.08	62,236,661.95	50,979,934.66	55,802,670.01	548,702,907.42	343,622,128.78	381,891,932.09
ND Retail	33,482,174.88	22,093,438.17	23,410,497.91	4,705,637.15	3,748,795.98	4,266,330.11	38,187,812.03	25,842,234.15	27,676,828.02
SD Retail	20,471,827.10	16,180,110.25	17,565,867.01	3,185,343.13	2,906,182.08	3,393,103.91	23,657,170.23	19,086,292.33	20,958,970.92
MN FERC	9,324,212.18	7,174,049.16	6,696,689.36	1,656,357.28	1,490,082.44	1,157,749.02	10,980,569.46	8,664,131.60	7,854,438.38
WI FERC	9,911,815.61	5,837,935.23	5,401,951.27	1,085,896.58	(497,129.89)	801,557.33	10,997,712.19	5,340,805.34	6,203,508.60
WI Retail	99,891,544.42	52,152,277.69	60,710,103.86	11,137,922.86	10,423,660.00	10,035,193.72	111,029,467.28	62,575,937.69	70,745,297.58
Total	659,547,819.66	396,080,004.62	439,874,371.49	84,007,818.95	69,051,525.27	75,456,604.10	743,555,638.61	465,131,529.89	515,330,975.59
External Escrow									
MN Retail	7,417.14	27,991.87	49,035.44	24,566.94	(6,799.08)	(5,881.76)	31,984.08	21,192.79	43,153.68
WI FERC	623.21	1,065.86	1,257.40	47.13	(355.04)	(25.61)	670.34	710.82	1,231.79
ND Retail	4,233.24	2,926.43	15,255.36	(3,787.44)	(1,100.88)	(12,904.05)	445.80	1,825.55	2,351.31
WI Retail	2,021.29	9,122.95	11,064.12	6,521.27	(388.90)	98.36	8,542.56	8,734.05	11,162.48
Total	14,294.88	41,107.11	76,612.32	27,347.90	(8,643.90)	(18,713.06)	41,642.78	32,463.21	57,899.26
Internal							-	-	-
Grand Total	659,562,114.54	396,121,111.73	439,950,983.81	84,035,166.85	69,042,881.37	75,437,891.04	743,597,281.39	465,163,993.10	515,388,874.85



**Balances as of January 01, 2017**

<u>External Qualified</u>	Book Value			Market Adjustment			Market Value			All Units
	Monti	PI1	PI2	Monti	PI1	PI2	Monti	PI1	PI2	
Radiological	420,228,430	287,702,094	319,772,014	78,373,983	70,937,606	75,854,626	498,602,413	358,639,700	395,626,640	1,252,868,754
Spent Fuel	242,338,332	90,538,089	106,915,411	45,196,895	22,323,631	25,361,908	287,535,228	112,861,720	132,277,319	532,674,267
Site Restoration	21,529,960	18,135,214	21,876,866	4,015,408	4,471,531	5,189,514	25,545,368	22,606,745	27,066,380	75,218,493
<b>Total</b>	<b>684,096,722</b>	<b>396,375,398</b>	<b>448,564,291</b>	<b>127,586,287</b>	<b>97,732,767</b>	<b>106,406,049</b>	<b>811,683,009</b>	<b>494,108,165</b>	<b>554,970,339</b>	<b>1,860,761,513</b>
<u>External Escrow</u>	Monti	PI1	PI2	Monti	PI1	PI2	Monti	PI1	PI2	
Radiological	-	-	-	-	-	-	-	-	-	-
Spent Fuel	-	-	-	-	-	-	-	-	-	-
Site Restoration	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<u>Grand Total</u>	Monti	PI1	PI2	Monti	PI1	PI2	Monti	PI1	PI2	
Radiological	420,228,430	287,702,094	319,772,014	78,373,983	70,937,606	75,854,626	498,602,413	358,639,700	395,626,640	1,252,868,754
Spent Fuel	242,338,332	90,538,089	106,915,411	45,196,895	22,323,631	25,361,908	287,535,228	112,861,720	132,277,319	532,674,267
Site Restoration	21,529,960	18,135,214	21,876,866	4,015,408	4,471,531	5,189,514	25,545,368	22,606,745	27,066,380	75,218,493
<b>Total</b>	<b>684,096,722</b>	<b>396,375,398</b>	<b>448,564,291</b>	<b>127,586,287</b>	<b>97,732,767</b>	<b>106,406,049</b>	<b>811,683,009</b>	<b>494,108,165</b>	<b>554,970,339</b>	<b>1,860,761,513</b>

**Excluded from  
NRC calculation**

**Balances as of January 01, 2017**

External Qualified	Book Value			Market Adjust			Market Value		
	Monti	PI1	PI2	Monti	PI1	PI2	Monti	PI1	PI2
MN Retail	504,432,968.35	292,599,638.67	331,992,382.37	94,401,656.34	72,152,559.93	78,707,504.84	598,834,624.69	364,752,198.60	410,699,887.21
ND Retail	34,078,510.91	22,065,452.54	23,788,041.47	6,910,237.26	5,339,777.23	5,923,430.23	40,988,748.17	27,405,229.77	29,711,471.70
SD Retail	21,484,314.21	16,318,105.47	18,128,356.84	4,565,124.65	4,090,619.70	4,663,553.09	26,049,438.86	20,408,725.17	22,791,909.93
MN FERC	9,416,018.29	7,171,931.58	6,804,931.54	2,286,117.72	2,023,867.44	1,628,031.30	11,702,136.01	9,195,799.02	8,432,962.84
WI FERC	10,004,575.11	5,836,629.84	5,489,199.02	1,716,721.03	(168,090.30)	1,173,164.24	11,721,296.14	5,668,539.54	6,662,363.26
WI Retail	104,680,335.11	52,383,639.50	62,361,379.54	17,706,430.04	14,294,033.43	14,310,365.41	122,386,765.15	66,677,672.93	76,671,744.95
Total	684,096,721.98	396,375,397.60	448,564,290.78	127,586,287.04	97,732,767.43	106,406,049.11	811,683,009.02	494,108,165.03	554,970,339.89
External Escrow									
MN Retail	-	-	-	-	-	-	-	-	-
WI FERC	-	-	-	-	-	-	-	-	-
ND Retail	-	-	-	-	-	-	-	-	-
WI Retail	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-
Internal							-	-	-
Grand Total	684,096,721.98	396,375,397.60	448,564,290.78	127,586,287.04	97,732,767.43	106,406,049.11	811,683,009.02	494,108,165.03	554,970,339.89