



414 Nicollet Mall
Minneapolis, Minnesota 55401

—Via Electronic Filing—

October 31, 2014

Darrell Nitschke
Executive Secretary
North Dakota Public Service Commission,
State Capitol
600 East Boulevard
Bismarck, ND 58505-0480

Re: November 2014 Fuel Cost Charge

Dear Mr. Nitschke:

Northern States Power Company, doing business as Xcel Energy and operating in North Dakota, hereby submits its electric fuel cost charge (FCC) for November 2014.

Pursuant to Commission authorization of the final compliance tariffs in the Company's 2012 rate proceeding (Case No. PU-12-813), the new rates were implemented on May 1, 2014. The new Service Category Ratios listed below also become effective:

Service Category Ratios	Current	Effective May 2014
Residential	1.0026	0.9969
C & I Non-Demand	1.0281	1.0318
C & I Demand	1.0170	1.0184
C & I Demand Time of Day On-Peak	1.2883	1.2798
C & I Demand Time of Day Off-Peak	0.7889	0.7954
Outdoor Lighting	0.7440	0.7341

The table below shows the Fuel Cost Charge by customer class category:

November 2014	Fuel Cost Charge (\$/kWh)
Residential	0.01964
C & I Non-Demand	0.02033
C & I Demand	0.02006
C & I Demand Time of Day On-Peak	0.02521
C & I Demand Time of Day Off-Peak	0.01567
Outdoor Lighting	0.01446

MISO CHARGES IMPLEMENTATION

MISO Day 2 Charges

This filing includes our reporting of the Midcontinent Independent System Operator, Inc. (MISO, formerly Midwest Independent Transmission System Operator, Inc.) charges under the Day 2 Market. Pursuant to the Commission's April 6, 2005 Order in Case No. PU-05-147 and the Order in Case No. PU-07-776, Xcel Energy is authorized to recover MISO Day 2 costs. The March 2009 FCC reflected the MISO Day 2 charge types: 3 Auction Revenue Rights (ARR) and 3 Financial Transmission Rights (FTR) charge types¹, to be reflected in the Fuel Cost Rider. Consistent with this Order and the required "net" accounting of Day 2 costs and revenues, we have included in the November 2014 FCC the net MISO Day 2 costs for September 2014 as recorded in Account 555. The MISO Day 2 cost recovery included in this September 2014 FCC is \$5,587,755, which is the net of many items. Pursuant to the above mentioned Orders, the Company also provides more detailed records in Attachment 2, page 1 to support the calculation of the MISO Day 2 costs.

MISO ASM Charges

With the implementation of the MISO Ancillary Services Market (ASM) on January 6, 2009, the net costs or revenues of 14 ASM charge types are included in the Fuel Cost Rider, pursuant to Commission guidance in Case No. PU-09-016. Consistent with the MISO Order and the required "net" accounting of ASM costs and revenues, we include in the November FCC the net MISO ASM costs for September 2014 as recorded in

¹ Previously embedded in other FTR charge types.

Account 555. The MISO ASM cost recovery included in this November FCC is \$1,512,102, which is the net of many items. The detailed records are contained in Attachment 2, page 2.

SPENT NUCLEAR FUEL DISPOSAL FEE

The Company received notification from the DOE on May 12, 2014 that the Spent Nuclear Fuel Disposal Fee, which was 1.0 mill per kilowatt hour of electricity generated and sold, would be discontinued effective May 16, 2014.² The Disposal Fee is an authorized component of FERC account 518. The charge had been collected from customers via a line item in our monthly Fuel Cost Charge filings. In future Fuel Cost Charge filings, we will no longer collect the Disposal Fee from North Dakota customers unless, of course, the DOE reinstates a fee again.

REFUNDS

Asset and Non-Asset Based Margins Sharing Refund

Under the terms of the Revised Second Amended Settlement adopted by the Commission³ on February 26, 2014, retroactive to January 1, 2014, the Company began passing through 100 percent of wholesale asset based margins to North Dakota customers. The November 2014 Asset Based Margin amount of \$189,676 has been included as a credit, or offset, to the November 2014 Fuel Cost Charges. The detailed records are contained in Attachment 3, page 1. Starting from February 2011, the prior year retail share of the Non-Asset Based Margins has been credited to the monthly FCC over the following 12-month period only if the calendar year balance is positive. The realized North Dakota retail share of the 2013 Non-Asset Based Margin credit is \$93,142 and this credit amount will be distributed equally each month over the following 12-month period. The refund reflected in the November 2014 FCC is \$5,655, or 0.004¢ per kWh (system basis). Attachment 3, page 2 contains the derivation of this refund amount.

Sales of Renewable Energy Credits

Pursuant to the Commission Order dated September 9, 2010 in Case No. PU-10-19, the Company is authorized to sell excess Renewable Energy Credits (RECs) allocable to our North Dakota jurisdiction and credit 90 percent of the net proceeds back to customers through the Fuel Cost Rider (FCR). Under the February 26, 2014 Settlement, instead of 90 percent, 100 percent of the North Dakota state jurisdictional share of revenue generated by the sale of Renewable Energy Credits was credited to customers. (See Attachment 3, page 3).

² Company submitted an informational filing to the commission on May 21, 2014 regarding this charge under Case No. PU-14-012

³ Case Nos. PU-12-813, PU-13-706, PU-13-707, PU-13-708, PU-13-742, PU-13-743, PU-13-194, PU-13-195

PRAIRIE ROSE WIND PPA

Pursuant to the Commission's December 21, 2012 Order in the Company's Advance Determination of Prudence application (Case No. PU-12-59), the energy and costs associated with the January 1, 2013 commencement of the Prairie Rose Wind (PRW) power purchase agreement (PPA) are being excluded from the calculation of the Company's monthly Fuel Cost Rider (FCR). Beginning with the March 2013 FCR filing, the Company has excluded the PRW PPA from any FCR calculations until the Commission has completed a ratemaking proceeding and made a decision regarding the rate treatment for the PRW PPA.

As a result of the Revised Second Amended Settlement adopted by the Commission on February 26, 2014, the Prairie Rose Wind energy costs incurred on and after February 26, 2014 would be included in the FCR calculation, and the Company would forego any unrecovered portion the Prairie Rose PPA had incurred prior to that time. As such, starting with the May 2014 FCC, the Company has included the March 2014 Prairie Rose PPA costs in the computation.

PURCHASED POWER AGREEMENT (PPA) COST RECOVERY REVIEW

Pursuant to the Commission's February 26, 2014 Order Adopting Settlement (Case No. PU-12-813) the following procedural changes reflected in Revised Second Amended Settlement were intended to provide additional transparency regarding cost recovery of renewable energy projects or purchases:

- The Company will notify the Commission in its monthly FCR filings of any new renewable projects, qualifying in part or whole for FCR cost recovery, whose costs are included in the calculation of the Fuel Cost Charges. In addition, the Company will file an annual summary listing the new resources that have been included in the FCR during the previous calendar year.
- Future renewable energy resources or purchases with FCR-qualifying costs that are 50 MW or larger in size (nameplate capacity) will require approval of an Advance Determination of Prudence before included for recovery in the FCR; and
- MISO market energy purchases are not subject to the above requirements.

For the September 2014 FCR reporting month there are no new renewable projects or purchases that require the above referenced reporting obligation. The Company will monitor and comply with these obligations under the Settlement going forward.

Other Reporting Item

Attached is the calculation of the November 2014 FCC, as well as a statistical summary of energy sources and costs, compared to the previous month.

If you have any questions regarding the information contained in this filing, please contact Dave Sederquist in Fargo at 701-241-8632.

Sincerely,

/ s /

PAUL J LEHMAN
MANAGER, REGULATORY COMPLIANCE AND FILINGS

Enclosures (2)
CC: David H. Sederquist

Northern States Power Company, A Minnesota Corporation
 Electric Operations - State of North Dakota
 Derivation of Adjustment for Fuel Clause Rider
 Current Period Cost of Energy for Nov-2014

Nov-2014 Fuel Cost Charges	Fuel Cost Factor	Energy True-Up Factor	Others or Refunds	Base & FCA Factor
System	\$0.02686	-\$0.00357	-\$0.00359	\$0.01970
Residential	\$0.02678	-\$0.00356	-\$0.00358	\$0.01964
C & I Non-Demand	\$0.02771	-\$0.00368	-\$0.00370	\$0.02033
C & I Demand Non-TOD	\$0.02735	-\$0.00363	-\$0.00366	\$0.02006
C & I Demand TOD On-Peak	\$0.03438	-\$0.00457	-\$0.00459	\$0.02521
C & I Demand TOD Off-Peak	\$0.02136	-\$0.00284	-\$0.00286	\$0.01567
Outdoor Lighting	\$0.01972	-\$0.00262	-\$0.00264	\$0.01446
Residential				
Residential Service	\$ 0.02678	\$ (0.00356)	\$ (0.00358)	\$ 0.01964
Residential TOD	\$ 0.02678	\$ (0.00356)	\$ (0.00358)	\$ 0.01964
Residential - Underground	\$ 0.02678	\$ (0.00356)	\$ (0.00358)	\$ 0.01964
Residential TOD - Underground	\$ 0.02678	\$ (0.00356)	\$ (0.00358)	\$ 0.01964
Energy Control - (Non-Demand)	\$ 0.02678	\$ (0.00356)	\$ (0.00358)	\$ 0.01964
Limit Off Peak	\$ 0.02678	\$ (0.00356)	\$ (0.00358)	\$ 0.01964
C & I Non-Demand				
Energy Controlled - (Non-Demand)	\$ 0.02771	\$ (0.00368)	\$ (0.00370)	\$ 0.02033
Limit Off Peak	\$ 0.02771	\$ (0.00368)	\$ (0.00370)	\$ 0.02033
Small General Service	\$ 0.02771	\$ (0.00368)	\$ (0.00370)	\$ 0.02033
Small General TOD - Metered	\$ 0.02771	\$ (0.00368)	\$ (0.00370)	\$ 0.02033
Small General TOD - Unmetered	\$ 0.02771	\$ (0.00368)	\$ (0.00370)	\$ 0.02033
Fire and Civil Defense Siren	\$ 0.02771	\$ (0.00368)	\$ (0.00370)	\$ 0.02033
Direct Current (Closed)	\$ 0.02771	\$ (0.00368)	\$ (0.00370)	\$ 0.02033
C & I Demand				
General Service	\$ 0.02735	\$ (0.00363)	\$ (0.00366)	\$ 0.02006
General TOD - On Peak	\$ 0.03438	\$ (0.00457)	\$ (0.00459)	\$ 0.02521
General TOD - Off Peak	\$ 0.02136	\$ (0.00284)	\$ (0.00286)	\$ 0.01567
Peak Controlled (Closed)	\$ 0.02735	\$ (0.00363)	\$ (0.00366)	\$ 0.02006
Peak Controlled TOD (Closed) - On Peak	\$ 0.03438	\$ (0.00457)	\$ (0.00459)	\$ 0.02521
Peak Controlled TOD (Closed) - Off Peak	\$ 0.02136	\$ (0.00284)	\$ (0.00286)	\$ 0.01567
Peak Controlled Tiered	\$ 0.02735	\$ (0.00363)	\$ (0.00366)	\$ 0.02006
Peak Controlled Tiered TOD - On Peak	\$ 0.03438	\$ (0.00457)	\$ (0.00459)	\$ 0.02521
Peak Controlled Tiered TOD - Off Peak	\$ 0.02136	\$ (0.00284)	\$ (0.00286)	\$ 0.01567
Energy Controlled (Closed)	\$ 0.02735	\$ (0.00363)	\$ (0.00366)	\$ 0.02006
Tier 1 Energy Controlled Rider	\$ 0.02735	\$ (0.00363)	\$ (0.00366)	\$ 0.02006
Real Time Pricing - Firm - On Peak	\$ 0.03438	\$ (0.00457)	\$ (0.00459)	\$ 0.02521
Real Time Pricing - Firm - Off Peak	\$ 0.02136	\$ (0.00284)	\$ (0.00286)	\$ 0.01567
Real Time Pricing - Controllable - On Peak	\$ 0.03438	\$ (0.00457)	\$ (0.00459)	\$ 0.02521
Real Time Pricing - Controllable - Off Peak	\$ 0.02136	\$ (0.00284)	\$ (0.00286)	\$ 0.01567
Small Municipal Pumping	\$ 0.02735	\$ (0.00363)	\$ (0.00366)	\$ 0.02006
Municipal Pumping	\$ 0.02735	\$ (0.00363)	\$ (0.00366)	\$ 0.02006
Excess Energy - St. Anthony Falls	\$ 0.02735	\$ (0.00363)	\$ (0.00366)	\$ 0.02006
Outdoor Lighting				
Automatic Protective Lighting	\$ 0.01972	\$ (0.00262)	\$ (0.00264)	\$ 0.01446
Street Lighting System	\$ 0.01972	\$ (0.00262)	\$ (0.00264)	\$ 0.01446
Street Lighting Energy	\$ 0.01972	\$ (0.00262)	\$ (0.00264)	\$ 0.01446
Street Lighting Energy - Metered	\$ 0.01972	\$ (0.00262)	\$ (0.00264)	\$ 0.01446
Street Lighting Energy (Closed)	\$ 0.01972	\$ (0.00262)	\$ (0.00264)	\$ 0.01446
Street Lighting - City of St. Paul	\$ 0.01972	\$ (0.00262)	\$ (0.00264)	\$ 0.01446

	Column (A)	Column (B)	Column (C)	Column (D)	Column (E)
	Jun-14	Jul-14	Aug-14	Sep-14	4 Month Total
Fuel and Purchased Power Costs					
Account 151 - Fossil Fuel	\$41,774,382	\$40,296,537	\$50,710,522	\$36,722,573	\$169,504,014
Account 518 - Nuclear Fuel	\$10,460,693	\$10,690,492	\$10,714,115	\$9,669,747	\$41,535,047
Account 555 - Purchased Power ¹	\$36,725,487	\$40,196,299	\$32,258,409	\$36,666,368	\$145,846,563
MISO Day 2 Charges	\$11,445,777	\$16,196,936	\$12,907,701	\$5,662,960	\$46,213,375
MISO Day 2 - Schedule 24	(\$75,280)	(\$63,569)	(\$73,480)	(\$75,206)	(\$287,535)
MISO - ASM Charges	\$5,744,170	\$1,119,467	\$1,790,087	\$1,512,102	\$10,165,826
Account 555 - Total MISO Charges	\$17,114,666	\$17,252,834	\$14,624,308	\$7,099,857	\$56,091,666
Financial Instruments	\$0	\$0	\$0	\$0	\$0
Total System Costs	\$106,075,229	\$108,436,162	\$108,307,354	\$90,158,545	\$412,977,290
Less Fuel Cost of InterSystem Sales	(\$6,792,146)	(\$4,263,576)	(\$5,849,212)	(\$4,531,926)	(\$21,436,861)
Net System Costs	\$99,283,082	\$104,172,586	\$102,458,142	\$85,626,618	\$391,540,429
System MWh Sales					
Total NSP System Retail	3,411,295	3,756,198	3,677,230	3,732,293	14,577,016
Non-Gen Muni's/Load Pattern	-	-	-	-	-
Total NSP System MWh Sales	3,411,295	3,756,198	3,677,230	3,732,293	14,577,016
Average Unit Cost of Fuel and Purchased Power					
Fuel Cost per kWh for NSP System					
Adjusted System Cost without Pr. Rose PPA	2.910¢	2.773¢	2.786¢	2.294¢	2.686¢
Class Ratio/TOD Ratio					
(i) Residential	0.9969	0.9969	0.9969	0.9969	0.9969
(ii) C & I Non-Demand	1.0318	1.0318	1.0318	1.0318	1.0318
(iii) C & I Demand Non-TOD	1.0184	1.0184	1.0184	1.0184	1.0184
(iv) C & I Demand TOD On-Peak	1.2798	1.2798	1.2798	1.2798	1.2798
(v) C & I Demand TOD Off-Peak	0.7954	0.7954	0.7954	0.7954	0.7954
(vi) Outdoor Lighting	0.7341	0.7341	0.7341	0.7341	0.7341
North Dakota Fuel Cost Factor (FCF)					
			Avg Unit Cost	FCF Ratio	4 Month Average
(i) Residential			2.686¢	0.9969	2.678¢
(ii) C & I Non-Demand			2.686¢	1.0318	2.771¢
(iii) C & I Demand Non-TOD			2.686¢	1.0184	2.735¢
(iv) C & I Demand TOD On-Peak			2.686¢	1.2798	3.438¢
(v) C & I Demand TOD Off-Peak			2.686¢	0.7954	2.136¢
(vi) Outdoor Lighting			2.686¢	0.7341	1.972¢
North Dakota Retail MWh Sales					
(i) Residential	52,740	57,840	58,736	54,548	223,864
(ii) C & I Non-Demand	8,195	8,642	8,513	8,423	33,773
(iii) C & I Demand Non-TOD	61,779	68,584	64,783	65,780	260,926
(iv) C & I Demand TOD On-Peak	19,373	19,467	18,035	17,918	74,793
(v) C & I Demand TOD Off-Peak	27,624	31,376	27,309	28,467	114,776
(vi) Outdoor Lighting	1,254	1,148	1,185	1,362	4,949
(vii) Total	170,965	187,057	178,561	176,498	713,081
Nov-2014 Recovery Provision (True-up Factor) Calculation					
Prior Unrecovered Expenses (Jul-14 Balance of Unrecovered Expenses)					Total
					Jul-14
					(\$1,739,285)

¹ Excludes demand-related expenses and includes Prairie Rose Wind PPA expenses

Prior Expenses Recovered in Sep-2014 [Billing Record]		
	ND Billed MWh Sales	Prior Recovered Expenses
(i) Residential	54,548	(\$46,122)
(ii) C & I Non-Demand	8,423	(\$7,022)
(iii) C & I Demand Non-TOD	65,780	(\$57,009)
(iv) C & I Demand TOD On-Peak	17,918	(\$17,036)
(v) C & I Demand TOD Off-Peak	28,467	(\$17,144)
(vi) Outdoor Lighting	1,362	(\$465)
(vii) Total	176,498	(\$144,798)

Actual Cost Should Have Been Recovered in Sep-14				
	Actual	Base	Actual ND MWh Sales	Expected Recovery
	2.294¢	0.000¢	176,498	\$4,048,864

Cost Recovered in Sep-14 [Billing Record]		
	ND Billed MWh Sales	Actual Recovery
(i) Residential	54,548	\$1,539,101
(ii) C & I Non-Demand	8,423	\$245,908
(iii) C & I Demand Non-TOD	65,780	\$1,896,279
(iv) C & I Demand TOD On-Peak	17,918	\$649,009
(v) C & I Demand TOD Off-Peak	28,467	\$640,961
(vi) Outdoor Lighting	1,362	\$28,273
(vii) Total	176,498	\$4,999,531

Total Balance of Unrecovered Expenses (Nov-14 Balance of Unrecovered Expenses)	
Nov-2014 Recovery Provision	(\$2,545,154)
4 Month ND Retail Total MWh Sales	713,081
Nov-2014 Recovery Provision per KWH	-0.357¢

Nov-2014 Recovery Provision (True-up Factor) per kWh by Customer Category			
	FAF Ratio	Recovery Provision Adjustment	Recovery Provision Adj by Class
(i) Residential	0.9969	-0.357¢	-0.356¢
(ii) C & I Non-Demand	1.0318	-0.357¢	-0.368¢
(iii) C & I Demand Non-TOD	1.0184	-0.357¢	-0.363¢
(iv) C & I Demand TOD On-Peak	1.2798	-0.357¢	-0.457¢
(v) C & I Demand TOD Off-Peak	0.7954	-0.357¢	-0.284¢
(vi) Outdoor Lighting	0.7341	-0.357¢	-0.262¢

Nov-2014 Refunds/Additional Charges				
	Asset Based Margin Sharing Refund	Non-Asset Based Margin Sharing Refund	REC Refund	Total
Refund/Special Charge Amount	(\$189,676)	(\$5,655)	(\$374,609)	(\$564,285)
(i) Residential	-0.119¢	-0.004¢	-0.235¢	-0.358¢
(ii) C & I Non-Demand	-0.123¢	-0.004¢	-0.243¢	-0.370¢
(iii) C & I Demand Non-TOD	-0.122¢	-0.004¢	-0.240¢	-0.366¢
(iv) C & I Demand TOD On-Peak	-0.153¢	-0.005¢	-0.302¢	-0.459¢
(v) C & I Demand TOD Off-Peak	-0.095¢	-0.003¢	-0.188¢	-0.286¢
(vi) Outdoor Lighting	-0.088¢	-0.003¢	-0.173¢	-0.264¢

Nov-2014 Factors	
	Total
(i) Residential	1.964¢
(ii) C & I Non-Demand	2.033¢
(iii) C & I Demand Non-TOD	2.006¢
(iv) C & I Demand TOD On-Peak	2.521¢
(v) C & I Demand TOD Off-Peak	1.567¢
(vi) Outdoor Lighting	1.446¢

	FCA Application		Comparison		Generation Type by Percent		
	Oct-14	Nov-14	Difference	Percent Change	FCA Application Oct-14	Nov-14	Difference
** COSTS (Millions) **							
1 Fossil	\$176.5	\$169.5	(\$7.0)	-3.9%	41.7%	41.0%	-0.7%
2 Nuclear	\$42.6	\$41.5	(\$1.1)	-2.6%	10.1%	10.1%	0.0%
3 Purchases	\$147.6	\$145.8	(\$1.8)	-1.2%	34.9%	35.3%	0.4%
MISO related Purchases	\$56.8	\$56.1	(\$0.7)	-1.2%	13.4%	13.6%	0.2%
4 Total System Costs	423.5	413.0	(\$10.6)	-2.5%	100.0%	100.0%	0.0%
5 Intersystem Sales	\$32.0	\$21.4	(\$10.6)	-33.1%	7.6%	5.2%	-2.4%
6 Net System Costs	\$391.5	\$391.5	\$0.1	0.0%	92.4%	94.8%	2.4%
7							
8 ** GWH OUTPUT **							
9 Fossil	5,161	5,224	63	1.2%	31.1%	31.7%	0.6%
10 Nuclear	4,638	4,601	(37)	-0.8%	28.0%	27.9%	-0.1%
11 Purchases	4,510	4,571	61	1.4%	27.2%	27.8%	0.6%
12 Hydro & Other	1,583	1,360	(223)	-14.1%	9.5%	8.3%	-1.2%
13 Net Interchange	687	710	23	3.3%	4.1%	4.3%	0.2%
14 Total Output	16,579	16,466	(113)	-0.7%	100.0%	100.0%	0.0%
15 Intersystem Sales	1,041	839	(202)	-19.4%	6.3%	5.1%	-1.2%
16 Native Requirement	15,538	15,627	89	0.6%	93.7%	94.9%	1.2%
17							
18 ** COST per KWH OUTPUT (\$) **							
19 Fossil	3.419	3.245	-0.175	-5.1%			
20 Nuclear	0.919	0.903	-0.016	-1.8%			
21 Purchases	3.274	3.191	-0.083	-2.5%			
22 Total System Costs	2.555	2.508	-0.047	-1.8%			
23 Intersystem Sales	3.079	2.557	-0.523	-17.0%			
24 Net System Costs	2.520	2.505	-0.014	-0.6%			
25							
26							
27 TOTAL SYSTEM GWH SALES	13,862	14,577	715	5.2%			
28							
29 COST per KWH SALES (\$) **	2.824	2.686	-0.138	-4.9%			
30							
31 RECOVERY PROV (\$ / KWH) - SYS	0.047	-0.357	-0.404				
(i) Residential	0.046	-0.356	-0.402				
(ii) C & I Non-Demand	0.048	-0.368	-0.416				
(iii) C & I Demand Non-TOD	0.047	-0.363	-0.411				
(iv) C & I Demand TOD On-Peak	0.060	-0.457	-0.516				
(v) C & I Demand TOD Off-Peak	0.037	-0.284	-0.321				
(vi) Outdoor Lighting	0.034	-0.262	-0.296				
32 REFUND	0.270	-0.359	-0.629				
(i) Residential	0.271	-0.358					
(ii) C & I Non-Demand	0.278	-0.370					
(iii) C & I Demand Non-TOD	0.275	-0.366					
(iv) C & I Demand TOD On-Peak	0.348	-0.459					
(v) C & I Demand TOD Off-Peak	0.213	-0.286					
(vi) Outdoor Lighting	0.201	-0.264					
33 SYSTEM FCC IMPACT (\$ / KWH)	3.141	1.970	-1.171	-37.3%			
(i) Residential	3.130	1.964	-1.166				
(ii) C & I Non-Demand	3.240	2.033					
(iii) C & I Demand Non-TOD	3.198	2.006					
(iv) C & I Demand TOD On-Peak	4.019	2.521					
(v) C & I Demand TOD Off-Peak	2.498	1.567					
(vi) Outdoor Lighting	2.305	1.446					

Residential BILL IMPACT (\$'s)

Calculations:

[4] = [1]+[2]+[3]	[21] = [3] / [11]
[6] = [4] - [5]	[22] = [4] / [14]
[14] = [9]+..+[13]	[23] = [5] / [15]
[16] = [14] - [15]	[24] = [6] / [16]
[19] = [1] / [9]	[29] = [6] / [27]
[20] = [2] / [10]	[33] = [29]+[31]

kWh	Change from Previous Month
100	(\$1.17)
250	(\$2.92)
500	(\$5.83)
750	(\$8.75)
1,000	(\$11.66)

Some miscellaneous totals refer to so many terms that their formula would be too long. So intermediate totals are developed here, then an overall total is taken and is rounded, and finally it's simply referred to above.

	FCA Application	
	Oct-14	Nov-14
** GWH OUTPUT **		
Thermal	965,818	769,805
Disper gen	(75)	(82)
Hydro plus Wind	616,955	590,091
Hydro and Other	1,582,698	1,359,814
Rounded to nearest thousand:	1,583	1,360
Sales		
Non Gen Munic Total	0	0
Load Pattern Power	0	0
Resale & Interchange (Intersystem)	1,040,820,000	838,505,000
Rounded to nearest million:	1040.82	838.505

		System	Intersystem	Retail
September 2014 Actual				
Energy and Loss Charges				
1 a	Day-Ahead Asset Energy Amount - Energy Component (1)	\$ 11,197,079.78	\$ 2,635,689.84	\$ 13,832,769.62
1 c	Day-Ahead Asset Energy Amount - Loss Component (1)	\$ 2,675,740.31	\$ -	\$ 2,675,740.31
3	Day-Ahead Financial Bilateral Transaction Loss Amount	\$ 536.35	\$ -	\$ 536.35
5 a	Day-Ahead Non-Asset Energy Amount - Energy Component (1)	\$ (13,372,565.58)	\$ -	\$ (13,372,565.58)
5 c	Day-Ahead Non-Asset Energy Amount - Loss Component (1)	\$ 1,369,407.86	\$ -	\$ 1,369,407.86
7	Day-Ahead Losses Rebate on Carve-Out Grandfathered Agreements	\$ (536.35)	\$ -	\$ (536.35)
9	Day-Ahead Losses Rebate on Option B Grandfathered Agreements	\$ -	\$ -	\$ -
13 a	Real-Time Asset Energy Amount - Energy Component (1)	\$ 128,772.36	\$ 915,685.05	\$ 1,044,457.41
13 c	Real-Time Asset Energy Amount - Loss Component (1)	\$ 46,824.00	\$ -	\$ 46,824.00
14	Real-Time Distribution of Losses Amount	\$ (1,159,550.93)	\$ -	\$ (1,159,550.93)
16	Real-Time Financial Bilateral Transaction Loss Amount	\$ (64.21)	\$ -	\$ (64.21)
18	Real-Time Losses Rebate on Carve-Out Grandfathered Agreements	\$ 64.21	\$ -	\$ 64.21
21	Real-time Net inadvertent Distribution	\$ (19,182.14)	\$ -	\$ (19,182.14)
22 a	Real-Time Non-Asset Energy Amount - Energy Component (1)	\$ 437,767.37	\$ -	\$ 437,767.37
22 c	Real-Time Non-Asset Energy Amount - Loss Component (1)	\$ 586.12	\$ -	\$ 586.12
Congestion Related Charges				
1 b	Day-Ahead Asset Energy Amount - Congestion Component (1)	\$ 3,394,425.43	\$ -	\$ 3,394,425.43
2	Day-Ahead Financial Bilateral Transmission Congestion Amount	\$ 791.93	\$ -	\$ 791.93
5 b	Day-Ahead Non-Asset Energy Amount - Congestion Component (1)	\$ 1,440,004.66	\$ -	\$ 1,440,004.66
6	Day-Ahead Congestion Rebate on Carve-Out Grandfathered Agreements	\$ (791.93)	\$ -	\$ (791.93)
8	Day-Ahead Congestion Rebate on Option B Grandfathered Agreements	\$ -	\$ -	\$ -
13 b	Real-Time Asset Energy Amount - Congestion Component (1)	\$ 232,780.09	\$ -	\$ 232,780.09
15	Real-Time Financial Bilateral Transaction Congestion Amount	\$ 144.52	\$ -	\$ 144.52
17	Real-Time Congestion Rebate on Carve-Out Grandfathered Agreements	\$ (144.52)	\$ -	\$ (144.52)
22 b	Real-Time Non-Asset Energy Amount - Congestion Component (1)	\$ (42,936.58)	\$ -	\$ (42,936.58)
FTR Related Charges				
28	Financial Transmission Rights Hourly Allocation Amount	\$ (4,607,044.49)	\$ -	\$ (4,607,044.49)
30	Financial Transmission Rights Monthly Allocation Amount	\$ (147,426.41)	\$ -	\$ (147,426.41)
31	Financial Transmission Rights Transaction Amount	\$ -	\$ -	\$ -
32	Financial Transmission Rights Yearly Allocation Amount	\$ -	\$ -	\$ -
36	Financial Transmission Rights Full Funding Guarantee Amount	\$ (401,477.05)	\$ -	\$ (401,477.05)
37	Financial Transmission Guarantee Uplift Amount	\$ 414,079.29	\$ -	\$ 414,079.29
38	Financial Transmission Rights Monthly Transaction Amount	\$ -	\$ -	\$ -
Uplift Charges				
23	Real-Time Revenue Neutrality Uplift Amount	\$ 552,825.55	\$ -	\$ 552,825.55
Revenue Sufficiency Guarantee (RSG) Charges				
10	Day-Ahead Revenue Sufficiency Guarantee Distribution Amount	\$ 182,635.74	\$ -	\$ 182,635.74
11	Day-Ahead Revenue Sufficiency Guarantee Make Whole Payment Amount	\$ (101,443.45)	\$ 25,127.91	\$ (76,315.54)
24	Real-Time Revenue Sufficiency Guarantee First Pass Distribution Amount	\$ 153,058.51	\$ -	\$ 153,058.51
25	Real-Time Revenue Sufficiency Make Whole Payment Amount	\$ (91,310.88)	\$ 43,079.66	\$ (48,231.22)
43	Real-Time Price Volatility Make Whole Payment Amount	\$ (167,622.56)	\$ (1,920.18)	\$ (169,542.74)
Market Administration Charges				
4	Day-Ahead Market Administration Amount	\$ 443,822.55	\$ (7,142.39)	\$ 436,680.16
19	Real-Time Market Administration Amount	\$ 28,288.37	\$ (2,458.68)	\$ 25,829.69
29	Financial Transmission Rights Market Administration Amount	\$ 28,065.12	\$ -	\$ 28,065.12
33	Day-Ahead Schedule 24 Allocation Amount	\$ 71,951.88	\$ (1,156.98)	\$ 70,794.90
34	Real-Time Schedule 24 Allocation Amount	\$ (34,088.45)	\$ 38,499.06	\$ 4,410.61
35	Schedule 24 Admin Allocation	\$ -	\$ -	\$ -
Virtual Energy Charges				
12	Day-Ahead Virtual Energy Amount	\$ -	\$ -	\$ -
27	Real-Time Virtual Energy Amount	\$ -	\$ -	\$ -
Other MISO Charges				
20	Real-Time Miscellaneous Amount	\$ (51,318.81)	\$ 29,332.67	\$ (21,986.14)
26	Real-Time Uninstructed Deviation Amount	\$ -	\$ -	\$ -
Auction Revenue Rights (ARR)				
39	Auction Revenue Rights - FTR Auction Transactions	\$ 6,044,899.06	\$ -	\$ 6,044,899.06
40	Auction Revenue Rights - Monthly ARR Revenue	\$ (6,528,060.99)	\$ -	\$ (6,528,060.99)
41	Auction Revenue Rights - ARR Stage 2 Distribution	\$ (295,795.44)	\$ -	\$ (295,795.44)
42	Auction Revenue Rights - Monthly Infeasible ARR Revenue	\$ 165,034.21	\$ -	\$ 165,034.21
TOTAL MISO CHARGES		\$ 1,988,224.50	\$ 3,674,735.96	\$ 5,662,960.46

SCHEDULE 24 (FOR RETAIL) \$ 75,205.51

TOTAL MISO CHARGES LESS SCHEDULES 24 (FOR RETAIL) \$ 5,587,754.95

MISO ANCILLARY SERVICES MARKETS (ASM) CHARGE TYPES BY CATEGORIES

		System	Intersystem	Retail
September 2014 Actual				
Procurement Charges				
1	Day-Ahead Regulation Amount	\$ (276,212.42)	\$ -	\$ (276,212.42)
2	Day-Ahead Spinning Reserve Amount	\$ (72,976.10)	\$ -	\$ (72,976.10)
3	Day-Ahead Supplemental Reserve	\$ (50,529.64)	\$ -	\$ (50,529.64)
4	Real-Time Regulation Amount	\$ 60,618.29	\$ 114,973.34	\$ 175,591.63
5	Real-Time Spinning Reserve Amount	\$ (20,353.68)	\$ 49,673.23	\$ 29,319.55
6	Real-Time Supplemental Reserve Amount	\$ 736.25	\$ 6,470.68	\$ 7,206.93
Resource Energy Charges				
7a	Real Time Excessive Energy Amount	\$ (16,815.79)	\$ -	\$ (16,815.79)
7b	Real Time Excessive Energy Congestion	\$ -	\$ -	\$ -
7c	Real Time Excessive Energy Loss	\$ -	\$ -	\$ -
8a	Real Time Non Excessive Energy Amount	\$ 1,471,573.26	\$ -	\$ 1,471,573.26
8b	Real Time Non Excessive Energy Congestion	\$ (90,444.91)	\$ -	\$ (90,444.91)
8c	Real Time Non Excessive Energy Loss	\$ 17,616.20	\$ -	\$ 17,616.20
9	Real Time Net Regulation Adjustment Amount	\$ 7,908.94	\$ 934.24	\$ 8,843.18
Cost Distribution Charges				
10	Real Time Regulation Reserve Cost Distribution Amount	\$ 100,383.60	\$ -	\$ 100,383.60
11	Real Time Spinning Reserve Cost Distribution	\$ 88,687.86	\$ -	\$ 88,687.86
12	Real Time Supplemental Reserve Cost Distribution	\$ 44,390.63	\$ -	\$ 44,390.63
Penalty Charges				
13	Real Time Excessive/Dificient Energy Deployment	\$ 89,563.34	\$ (14,095.29)	\$ 75,468.05
14	Real Time Contingency Reserve Deployment Failure	\$ -	\$ -	\$ -
TOTAL MISO ASM CHARGES		\$ 1,354,145.83	\$ 157,956.20	\$ 1,512,102.03

Northern States Power Company, A Minnesota Corporation
 Electric Operations - State of North Dakota
 Derivation of Adjustment for Fuel Clause Rider
 Asset Based Margin Sharing

Forecast Month	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15
True-up Month	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Dec-14	Nov-14	Dec-14
1 Forecast Month														
2 True-up Month														
3														
4 Monthly Refund	(280,361)	(232,398)	(191,441)	(106,644)	(91,428)	(52,496)	(55,939)	(35,487)	(38,675)					
5														
6 Forecast North Dakota Sales	204,151	186,753	165,759	167,300	190,371	186,036	182,561	177,719	158,767	216,391	257,301			
7														
8 Current Month Refund Factor	(0.137)	(0.124)	(0.115)	(0.064)	(0.048)	(0.028)	(0.030)	(0.020)	(0.024)					
9														
14 Expected Refund	(68,557)	50,152	(306,819)	(172,630)	(373,518)	(51,493)	(219,413)	136,839	(132,082)	153,128	(189,676)			
15 Actual Refunded	(42,099)	(9,616)	(124,742)	(227,780)	(245,533)	(240,829)	(141,270)	(53,775)	18,919					
16 Deviation	(26,458)	59,768	(182,077)	55,150	(127,985)	189,336	(78,143)	190,614	(151,001)	153,128	(189,676)			
17														
18 True-up Factor	(0.013)	0.032	(0.110)	0.033	(0.067)	0.102	(0.043)	0.107	(0.095)					
19														
20 Realized Margin	(0.150)	(0.092)	(0.225)	(0.031)	(0.115)	0.074	(0.072)	0.087	(0.119)					
21														
22 Class Ratios														
23 Residential	1.0026	1.0026	1.0012	0.9998	0.9983	0.9969	0.9969	0.9969	0.9969	0.9969	0.9969	0.9969	0.9969	0.9969
24 C&I Non-Demand	1.0281	1.0281	1.0290	1.0300	1.0309	1.0318	1.0318	1.0318	1.0318	1.0318	1.0318	1.0318	1.0318	1.0318
25 C&I Demand Non-TOD	1.0170	1.0170	1.0174	1.0177	1.0181	1.0184	1.0184	1.0184	1.0184	1.0184	1.0184	1.0184	1.0184	1.0184
26 C&I Demand TOD On-Peak	1.2883	1.2883	1.2862	1.2841	1.2819	1.2798	1.2798	1.2798	1.2798	1.2798	1.2798	1.2798	1.2798	1.2798
27 C&I Demand TOD Off-Peak	0.7889	0.7889	0.7905	0.7922	0.7938	0.7954	0.7954	0.7954	0.7954	0.7954	0.7954	0.7954	0.7954	0.7954
28 Outdoor Lighting	0.7440	0.7440	0.7415	0.7391	0.7366	0.7341	0.7341	0.7341	0.7341	0.7341	0.7341	0.7341	0.7341	0.7341
29														
30 Realized Margin Adj for Class Ratios														
31 Residential	(0.151)	(0.093)	(0.226)	(0.031)	(0.115)	0.073	(0.072)	0.087	(0.119)					
32 C&I Non-Demand	(0.155)	(0.095)	(0.232)	(0.032)	(0.119)	0.076	(0.075)	0.090	(0.123)					
33 C&I Demand Non-TOD	(0.153)	(0.094)	(0.229)	(0.031)	(0.117)	0.075	(0.074)	0.089	(0.122)					
34 C&I Demand TOD On-Peak	(0.194)	(0.119)	(0.290)	(0.040)	(0.148)	0.094	(0.093)	0.112	(0.153)					
35 C&I Demand TOD Off-Peak	(0.119)	(0.073)	(0.178)	(0.024)	(0.091)	0.059	(0.058)	0.069	(0.095)					
36 Outdoor Lighting	(0.112)	(0.069)	(0.167)	(0.023)	(0.085)	0.054	(0.055)	0.064	(0.088)					

	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Jan-15	
1 Forecast Month	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14
2 True-up Month	(7,762)	(7,762)	(7,762)	(7,762)	(7,762)	(7,762)	(7,762)	(7,762)	(7,762)	(7,762)	(7,762)	(7,762)
3 Monthly Refund	198,863	204,151	186,753	165,739	167,300	190,371	186,036	182,561	177,719	158,767	-	-
4 Forecast North Dakota Sales	(0,004)	(0,004)	(0,004)	(0,005)	(0,004)	(0,004)	(0,004)	(0,004)	(0,004)	(0,005)	-	-
5 Current Month Refund Factor	(15,511)	(12,506)	(7,639)	(2,884)	(5,868)	(4,580)	(10,029)	(7,647)	(10,541)	(6,116)	-	-
6 Actual Refund	(15,634)	(17,384)	(9,533)	(6,066)	(3,601)	(4,694)	(7,230)	(9,293)	(8,568)	(6,223)	-	-
7 Deviation	123	4,878	1,894	3,182	(2,267)	114	(2,779)	1,646	(1,973)	2,107	-	-
8 True-up Factor	0,000	0,002	0,001	0,002	(0,001)	0,000	(0,001)	0,001	(0,001)	0,001	-	-
9 Realized Margin	(0,004)	(0,001)	(0,003)	(0,003)	(0,006)	(0,004)	(0,006)	(0,003)	(0,005)	(0,004)	-	-

	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Jan-15
10 Residential	1,0026	1,0026	1,0026	1,0012	0,9998	0,9983	0,9969	0,9969	0,9969	0,9969	0,9969
11 C&I Non-Demand	1,0281	1,0281	1,0281	1,0290	1,0300	1,0309	1,0318	1,0318	1,0318	1,0318	1,0318
12 C&I Demand Non-TOD	1,0170	1,0170	1,0170	1,0174	1,0177	1,0181	1,0184	1,0184	1,0184	1,0184	1,0184
13 C&I Demand TOD On-Peak	1,2883	1,2883	1,2883	1,2862	1,2841	1,2819	1,2798	1,2798	1,2798	1,2798	1,2798
14 C&I Demand TOD Off-Peak	0,7889	0,7889	0,7889	0,7905	0,7922	0,7938	0,7954	0,7954	0,7954	0,7954	0,7954
15 Outdoor Lighting	0,7440	0,7440	0,7440	0,7415	0,7391	0,7366	0,7341	0,7341	0,7341	0,7341	0,7341

	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Jan-15
16 Residential	(0,004)	(0,001)	(0,003)	(0,003)	(0,006)	(0,004)	(0,006)	(0,003)	(0,005)	(0,004)	-
17 C&I Non-Demand	(0,004)	(0,001)	(0,003)	(0,003)	(0,006)	(0,004)	(0,006)	(0,003)	(0,005)	(0,004)	-
18 C&I Demand Non-TOD	(0,005)	(0,002)	(0,004)	(0,004)	(0,008)	(0,005)	(0,007)	(0,004)	(0,007)	(0,005)	-
19 C&I Demand TOD On-Peak	(0,003)	(0,001)	(0,002)	(0,002)	(0,005)	(0,003)	(0,005)	(0,003)	(0,004)	(0,003)	-
20 C&I Demand TOD Off-Peak	(0,003)	(0,001)	(0,002)	(0,002)	(0,004)	(0,003)	(0,004)	(0,002)	(0,004)	(0,003)	-

	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Jan-15
21 Residential	(0,004)	(0,001)	(0,003)	(0,003)	(0,006)	(0,004)	(0,006)	(0,003)	(0,005)	(0,004)	-
22 C&I Non-Demand	(0,004)	(0,001)	(0,003)	(0,003)	(0,006)	(0,004)	(0,006)	(0,003)	(0,005)	(0,004)	-
23 C&I Demand Non-TOD	(0,005)	(0,002)	(0,004)	(0,004)	(0,008)	(0,005)	(0,007)	(0,004)	(0,007)	(0,005)	-
24 C&I Demand TOD On-Peak	(0,003)	(0,001)	(0,002)	(0,002)	(0,005)	(0,003)	(0,005)	(0,003)	(0,004)	(0,003)	-
25 C&I Demand TOD Off-Peak	(0,003)	(0,001)	(0,002)	(0,002)	(0,004)	(0,003)	(0,004)	(0,002)	(0,004)	(0,003)	-

	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Jan-15
26 Residential	(0,004)	(0,001)	(0,003)	(0,003)	(0,006)	(0,004)	(0,006)	(0,003)	(0,005)	(0,004)	-
27 C&I Non-Demand	(0,004)	(0,001)	(0,003)	(0,003)	(0,006)	(0,004)	(0,006)	(0,003)	(0,005)	(0,004)	-
28 C&I Demand Non-TOD	(0,005)	(0,002)	(0,004)	(0,004)	(0,008)	(0,005)	(0,007)	(0,004)	(0,007)	(0,005)	-
29 C&I Demand TOD On-Peak	(0,003)	(0,001)	(0,002)	(0,002)	(0,005)	(0,003)	(0,005)	(0,003)	(0,004)	(0,003)	-
30 C&I Demand TOD Off-Peak	(0,003)	(0,001)	(0,002)	(0,002)	(0,004)	(0,003)	(0,004)	(0,002)	(0,004)	(0,003)	-

