



October 9, 2017

#### VIA ELECTRONIC FILING

Daniel P. Wolf Executive Secretary Minnesota Public Utilities Commission 121 7<sup>th</sup> Place East, Suite 350 St. Paul, MN 55101-2147

RE: REPLY COMMENTS

2016 ANNUAL AUTOMATIC ADJUSTMENT OF CHARGES REPORT - ELECTRIC

DOCKET NO. E999/AA-16-523

Dear Mr. Wolf:

Northern States Power Company, doing business as Xcel Energy, submits these Reply Comments in response to the September 13, 2017 Comments of the Department of Commerce, Division of Energy Resources.

We have electronically filed this document with the Minnesota Public Utilities Commission, and copies have been served on the parties on the attached service list. Please contact Rebecca Eilers at <a href="mailto:rebecca.d.eilers@xcelenergy.com">rebecca.d.eilers@xcelenergy.com</a> or 612-330-5570 or me at <a href="mailto:amy.a.liberkowski@xcelenergy.com">amy.a.liberkowski@xcelenergy.com</a> or 612-330-6613 if you have any questions regarding this filing.

SINCERELY,

/s/

AMY A. LIBERKOWSKI
DIRECTOR, REGULATORY PRICING & PLANNING

c: Service List

# STATE OF MINNESOTA BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

Nancy Lange Chair
Dan Lipschultz Commissioner
Matthew Schuerger Commissioner
Katie Sieben Commissioner
John Tuma Commissioner

IN THE MATTER OF NORTHERN STATES POWER COMPANY, REVIEW OF 2015-2016 ANNUAL AUTOMATIC ADJUSTMENT REPORT FOR ITS ELECTRIC OPERATION DOCKET NO. E999/AA-16-523

REPLY COMMENTS

#### **O**VERVIEW

Northern States Power Company, doing business as Xcel Energy, submits this Reply to the Minnesota Department of Commerce - Division of Energy Resources' September 13, 2017 review of our Annual Automatic Adjustment of Charges (AAA) Report for 2015-2016.

We appreciate the Department's thorough review of the Company's 2016 AAA filing and its recommendation that the Commission accept the Company's filing. In this Reply, we provide corrected versions of Attachment 1, page 2 of the relevant monthly FCA dockets (Docket Nos. E002/AA-16-274, E002/AA-16-372 and E002/AA-16-492), we discuss the corrections made to that attachment, and we respond to the Department's request that the Company discuss the measures we have taken to avoid incorrect data entry in the future. We also explain whether Day Ahead and Real-Time Ramp Capability Amounts are included in the fuel clause charge. Finally, we address the Department's recommendations that the Commission adopt two new standards for recovery of replacement power costs.

#### REPLY

# I. Monthly FCA Data

The Department noted concerns with data used in certain monthly FCA filings covered in this AAA period. The Company appreciates the time and effort that the Department has dedicated to verifying our monthly fuel clause computation and apologizes for data issues that made review more difficult. As requested by the

Department, the Company agrees to file corrected attachments in the relevant monthly FCA dockets with narrative explaining the corrections.

To alleviate future issues, the Company has added an additional reviewer to the monthly FCA process, and commits to providing narrative in the monthly FCA cover letter that would identify any new adjustments or changes to data formats. In addition, the Company is willing to work with the Department on streamlining the FCA report to ease review.

# II. Day Ahead and Real-Time Ramp Capability Amounts

The Company has included Day Ahead and Real-Time Ramp Capability Amounts in our fuel clause reports. During the 2015-2016 AAA period, the May 2016 credit of \$617.28 Real Time Ramp Capability Amount was included. For June 2016, the credits for Day Ahead and Real Time Ramp Capability Amounts were \$574.37 and \$127.44, respectively. Given the small amounts for these items, we initially combined them with the ASM Real Time Net Regulation Adjustment Amount charge type in our MISO ASM report schedules:

SAP Internal Order	SAP Account	SAP Name
200000002163	5066016	NSPM MISO NSPP RT_ASM_NRGA

Beginning in August 2016, the Day Ahead and Real Time Ramp Capability Amounts were combined with the ASM Day Ahead Regulation Amount and the Real Time Regulation Amount charge types respectively:

SAP Internal Order	SAP Account	SAP Name
200000002143	5066016	NSPM MISO NSPP DA_ASM_REG
200000002164	5066016	NSPM MISO NSPP RT_ASM_REG

# III. The Department's Proposed Standards for Recovery of Replacement Power Costs

Finally, we wish to briefly address the Department's recommendation that the Commission adopt two new standards for recovery of replacement power costs. Those proposed standards would:

- Hold utilities at least partially if not fully responsible for incremental costs of replacement power due to forced outages caused by improper work by contractors; and
- Hold utilities financially responsible for replacement power costs due to any failure to remove all foreign material from generation facility work areas.<sup>1</sup>

While we understand the Department's concerns regarding contractor performance and foreign-material issues, we do not believe the Commission needs to—or should—adopt these bright-line standards. First of all, we note that the Department, utilities, and stakeholders are in the midst of discussing potential reforms and standards for the AAA in Docket No. E999/CI-03-802. We believe that the Department's current proposal should be taken up in that docket alongside its other reform proposals, so that the Commission and stakeholders can consider all such proposals at the same time and in the same docket. We do not believe the Commission should adopt piecemeal standards as part of this docket while that conversation is ongoing.

Second, we have significant concerns about the Commission adopting the proposed bright line rules without any consideration given to the particular facts of the outage in question. The standard for recovery of these costs is prudence—that is, whether the costs (and resulting rates) are just and reasonable. Importantly, the prudence standard is fact specific and considers whether the utility acted reasonably given the circumstances that existed at the time relevant to the inquiry. We believe the Department's proposed standards would unreasonably limit this inquiry in a way that deviates from the prudence standard and pre-judges certain outages before they occur.

The Department's proposed standards would do away with analysis altogether and simply ask whether an outage was due to "foreign material" or "improper work" by a contractor. We do not believe these rules can adequately be substituted for a fact-

3

<sup>&</sup>lt;sup>1</sup> Department Review at 34. We note that these are the same standards proposed by the Department in Docket No. E999/AA-15-611 and that the Commission declined to adopt these as part of its July 21, 2017 Order.

specific prudence analysis, and we further believe there is substantial ambiguity regarding what qualifies as "improper work" and "foreign material," such that applying these standards may simply substitute one factual inquiry for another. For these reasons, we respectfully request that the Commission not adopt either standard in this docket and that it instead continue to apply the prudence standard when deciding whether replacement power costs are properly recoverable.

#### **CONCLUSION**

The Company appreciates this opportunity to submit its Reply to the Department's review. Through this Reply, we have worked to provide additional information in response to the issues raised by the Department. We respectfully request that the Commission accept and approve Xcel Energy's FYE16 Electric AAA Report as supplemented by this Reply.

Dated: October 9, 2017

Northern States Power Company

#### Explanation of April 2016 FCA Adjustment in Balance of Unrecovered Expenses

hern States Power Company tric Operations - State of Minnesota			Attachment 1 Page 2
vation of Adjustment for Fuel Clause Rider			
ual Costs for Jan-16 and Projected Costs for Mar-16 (Dock	ket No. E002/AA-16-20	05)	
	Column (AA)	Columa (A)	Column (B)
	Projected *	Actual	Projected
	* From 2 months ago	Jan-2016	Mar-2016
System Fuel, Purchased Power Costs & MISO Recovery Authorized in Minne			
Account 151 - Fossil Fuel		\$45,029,964	
Account 518 - Nuclear Fuel		\$7,094,043	
Account 555 - Purchased Power (Include WindSource Wind Contracts, excludes win		\$38,317,328	
Account 555 - Wind Curtailment Payment (as reported in Wind Curtailment Report Account 555 - Subtotal		\$168,089 \$38,485,417	
Account 555 - MISO Day 2 Charges - Total	-	\$58,485,417	
- Schedules 16 & 17		\$679,780	
- Schedule 24		\$79,278	
- RSG/RNU Allocation Adjustment		\$71,515	
- RT PV MWP Allocation Adjustment		\$0	
- Congestion and Loss Allocation Adjustment	_	\$340,903	
Account 555 - MISO Day 2 Charges - Net	_	\$3,899,990	
Account 555 - MISO ASM Charges - Excessive/Non-Excessive Charges		\$2.694.277	
- Excessive/Non-Excessive Charges - Other Charges		\$2,694,277 \$57,276	
- Congestion and Loss Allocation Adjustment		(\$974)	
Account 555 - MISO ASM Charges - Total	-	\$2,752,527	
Account 555 - Total MISO Charges	_	\$6,652,517	
Total System Costs	3	\$ 97,261,941	
Less Fuel Cost of Intersystem Sales (Included MISO Day 2 Charges)		(\$7,335,842)	
Less Account 555 - Purchased Power For Windsource Program			
Windsource Energy Costs		(\$301,043)	
Windsource Renewable Energy Certificates (RECs) Purchases		\$0	
Windsource REC-Related Fuel Costs	_	\$12,138	
Subtotal	_	(\$288,905)	
Net System Costs (Exclude WindSource Related Contract Costs)		\$ 89,637,195	
Less Account 555 - Purchased Power For Solar Gardens Program			
Solar Gardens Program - Credits		\$0	
Solar Gardens Program - Unsubscribe Energy Purchase		(\$574)	
Subtotal		(\$574)	
Account 407.3 - Renewable Development Fund Project Expenses **			
Account 407.3 - Renewable Development Fund Administrative Expenses **			
Account 407.3 - Total Renewable Development Fund Recovery ** Net System Costs (Exclude WindSource Related Contract Costs) [4+5a+5b]	\$97,827,744	\$89,636,621	\$83,163,634
Net system costs (Exclude windsource Related Contract Costs) [4+5a+50]	977,027,744	\$02,0.30,021	\$63,103,034
NSP System MWh Sales			
Fotal NSP System Retail		3,557,831	
Firm Re-sale		System yours	
Total NSP System		3,557,831	
Windsource MWh	-	12,015	
Total NSP System Exclude Windsource	3,666,973	3,545,816	3,471,813
		- And Annual Control	2677 16013
NSP System Cost of Fuel, Purchased Power & MISO Recovery Per KWh			
System Energy Cost per kWh [line 6 / line 9b/ 10]	2.668¢	2.528¢	2.395¢
Minnesota Jurisdictional Calendar Month Retail MWh Sales Subject To FCA			
Total Minnesota Retail MWh		2,567,047	
Windsource MWh		12,015	
Total Minnesota Retail MWh Subject to FCA [Line 11 - Line 12]	2,632,925	2,555,032	2,502,333

In March 2016 FCA calculation, the January Intersystem Sales amount incorrectly subtracted the GEN Book amount of \$1,076,527 twice. It resulted an over-credit of Fuel Cost of Intersystem Sales to retail customers of which the Minnesota portion was \$775,721. The over-credit was subequently adjusted in the April 2016 FCA true up: Original Corrected Adjustment \$1,076,527.57 \$1,076,527.57 5071001 Gen Trading Non-Native 2000000002041 \$375,318,19 \$375.318.19 \$1,506,257.35 \$1,506,257.35 Non-Native 2000000002042 Non-Native 2000000002043 \$2,483,665.32 \$2,483,665.32 \$5,441,768.43 \$5,441,768.43 Total Gen Trading \$817,545.60 \$817,545.60 \$1,076,527.57 \$1,076,527.57 5071006 Prop Trading Non-Native Total STOU (Intersystem Sales) \$5,441,768.43 \$4,365,240.86 \$7,335,841.60 \$6,259,314.03 January 2016 Minnesota MWh Sales Subject to FCA January 2016 Total NSP System MWh Exclude Windsource 3,545,816 72.058% [1] Minnesota Allocation Percentage [2] Intersystem Sales Over-credit Adjustment \$1,076,527.57 \$775,720.56 [3] Adjustment to April 2016 FCA True Up [1]x[2] 12si Prior Unrecovered Expenses (Dec-2015 Balance of Unrecovered Expenses)
12sii Prior (True-Up) Expenses Recovered in Feb-2016
12: Over/Under Recovery in Feb-16 to be Trued Up in Apr-16 FCA Line [12k - Line 12j] (\$2,667,448) (\$2,597,435) (\$4,717,543) 12m February 2016 Saver's Switch True-Up Adjustment \$0 (\$4,787,556) 12n Unadjusted Balance of Unrecovered Expenses Line 12xi - Line 12xii + Line 12l + Line 12m Adjustment to April 2016 FCA True Up [1]x[2] 12n Adjusted Balance of Unrecovered Expenses Line 12xi - Line 12xii + Line 12l + Line 12m (\$4,011,835)

them States Power Company tric Operations - State of Minnesota ivation of Adjustment for Fuel Clause Rider tual Costs for Feb-16 and Projected Costs for Apr-16 (1	Docket No. E002/AA-16-2	74)	Page 3
	Columa (AA)	Column (4)	Cofema (B)
	Projected *	Actual	Projected
	Feb-2016 * From 2 months ago	Feb-2016	Apr-2016
Adjusted Minnesota MWh Sales Subject To FCA	14om 2 months ago		
(i) Residential		652,530	
(ii) C & I Non-Demand		76,652	
(iii) C & I Demand Non-TOD (iv) C & I Demand TOD On-Peak		730,819 321.888	
(v) C & I Demand TOD On-Peak (v) C & I Demand TOD Off-Peak		321,888 528,691	
(vi) Outdoor Lighting		16,770	
Total	2,385,071	2,327,350	2,251,426
Class Ratio/TOD Ratio	Dec-2015	Feb-2016	A 2016
(i) Residential	1.0185	1.0185	Apr-2016 1.0185
(ii) C & I Non-Demand	1.0493	1.0493	1.0493
(iii) C & I Demand Non-TOD	1.0028	1.0028	1.0028
(iv) C & I Demand TOD On-Peak	1.2732	1.2732	1.2732
(v) C & I Demand TOD Off-Peak (vi) Outdoor Lighting	0.7987 0.7446	0.7987 0.7446	0.7987 0.7446
Truing Up Feb-16 Cost Recovery			
		ι	Dec-2015
Prior Unrecovered Expenses (Dec-2015 Balance of Unrecovered Expen	ases) True-Up Factor	MWh	
Prior Unrecovered Expenses (Dec-2015 Balance of Unrecovered Expen		MWh Feb-2016	(\$2,667,448)
Prior (True-Up) Expenses Recovered in Feb-2016	True-Up Factor Dec-2015	Feb-2016	(\$2,667,448)  Total  Feb-2016  (a)*(b)*10
Prior (True-Up) Expenses Recovered in Feb-2016 () Residential	True-Up Factor Dec-2015  (a) -0.113908e	(b) 652,530	(\$2,667,448)  Total  Feb-2016  (a)*(b)*10  (\$743,284)
Prior (True-Up) Expenses Recovered in Feb-2016 (3) Residential (a) C. & I. Non-Demand	True-Up Factor Dec-2015  (a) -0.113908c -0.117353c	(b) 652,530 76,652	(\$2,667,448)  Total  Feb-2016  (a)*(b)*10 (\$743,284) (\$89,953)
Prior (True-Up) Expenses Recovered in Feb-2016 (i) Residential (ii) C. & D. Hone-Demand (iii) C. & D. Home-Demand	True-Up Factor  Dec-2015  (a)  -0.113908e  -0.117353e  -0.112152e	(b) 652,530 76,652 730,819	(\$2,667,448)  Total  Feb-2016  (a)*(b)*10   (\$743,284)   (\$89,953)   (\$819,628)
Prior (True-Up) Expenses Recovered in Feb-2016 (i) Residential (ii) C & I Non-Demand (iii) C & I Demand Non-TOD (iv) C & I Demand TOD On-Pak	True-Up Factor  Dec-2015  (a)  -0.113908c -0.117353c -0.112152c -0.142393c	(b) 652,530 76,652 730,819 321,888	(\$2,667,448)  Total  Feb-2016  (a)*(b)*10  (\$743,284)  (\$89,953)  (\$815,846)
Prior (True-Up) Expenses Recovered in Feb-2016 (6) Residential (a) C. & I. Non-Demund (iii) C. & I. Demund Non-TOD (iv) C. & I. Demund TOD Ob-Peak (v) C. & I. Demund TOD Ob-Peak	True-Up Factor  Dec-2015  (a)  -0.113908e  -0.117353e  -0.112152e	(b) 652,530 76,652 730,819	(\$2,667,448) Total Feb-2016 (a)*(b)*10 (\$743,284 (\$89,953) (\$819,628 (\$458,346) (\$472,259)
Prior (True-Up) Expenses Recovered in Feb-2016 (i) Residential (ii) C & I Non-Demand (iii) C & I Demand Non-TOD (iv) C & I Demand TOD On-Pak	True-Up Factor  Dec-2015  (a) -0.113908e -0.117353s -0.112152c -0.142393s -0.089326e	(b) 652,530 76,652 730,819 321,888 528,691	(\$2,667,448)  Total  Feb-2016  (a)*(b)*10  (5743,284)  (880,933)  (8819,628)  (\$458,346)  (\$472,259)  (\$13,965)
Prior (True-Up) Expenses Recovered in Feb-2016 (6) Residential (a) C. & I. Non-Demund (iii) C. & I. Demund Non-TOD (iv) C. & I. Demund TOD Ob-Peak (v) C. & I. Demund TOD Ob-Peak	True-Up Factor  Dec-2015  (a) -0.113908e -0.117353s -0.112152c -0.142393s -0.089326e	(b) 652,530 76,652 730,819 321,888 528,691 16,770	(\$2,667,448)  Total  Feb-2016  (a)*(b)*10  (5743,284)  (889,533)  (8819,628)  (4488,346)  (4472,346)  (513,565)
Prior (True-Up) Expenses Recovered in Feb-2016 (i) Residential (ii) C & I Non-Demand (iii) C & I Demand Non-TOD (iv) C & I Demand TOD On-Peak (v) C & I Demand TOD On-Peak (vi) C A Up-2006 (vi) Outdoor Lighting Feb-16 Fuel Cost Charge	True-Up Factor  Dec-2015  (a) -0.113908c -0.117353c -0.112152c -0.142399c -0.088327c -0.088327c  Base Costs  Baseline Th(O(N)	(b) 652,530 76,652 730,819 321,888 528,691 16,770 2,327,350 Fuel Adj Factor (ans 12-2009dans 1th Cu[A]	(\$2,667,448) Total Feb-2016 (0*0)*710,3574,254 (\$99,953) (\$919,252 (\$458,346) (\$472,259) (\$13,965) (\$12,977,455) Total Bus + Finner
Prior (True-Up) Expenses Recovered in Feb-2016 (i) Residential (ii) C. & I. Dison-Domand (iii) C. & I. Domand Non-TOD (iv) C. & I. Domand Non-TOD (iv) C. & I. Domand TOD Oh-Peak (iv) Outdoor Lighting (iv) Outdoor Lighting  Feb-16 Fuel Cost Charge (i) Residential	True-Up Factor   Dec-2015	(b) 652,530 76,652 730,819 321,888 528,691 16,770 2,327,550 Fuel Adj Factor [Jan 12-269]dan 12-16-17 (Jan 12-269]dan 12-17 (Jan 12-269)dan 12-17 (Jan 12-2	(\$2,667,448)  Total  Feb-2016  (a/*6)*10  (\$743,254  (\$89,955)  (\$819,628  (\$458,259)  (\$13,036)  \$22,597,455  Total  Box Facult  2,7536
Prior (True-Up) Expenses Recovered in Feb-2016 (i) Residential (ii) C & I Non-Demand (iii) C & I Demand Non-TOD (iv) C & I Demand TOD On-Peak (iv) C & I Demand TOD On-Peak (iv) C & I Demand TOD On-Feak (iv) C Autor Lighting Feb-16 Fuel Cost Charge (i) Residential (ii) C & I Non-Demand	True-Up Escare   Dec-2015	(b) (652,530 76,652 730,819 321,888 528,601 16,770 2,327,350 Fuel Adj Factor (Jan 13-248)dan 13-0434 0.0236 0.0246	(\$2,667,448) Total Feb-2016 (9'49)*10 (\$743,284) (\$89,935) (\$15,028) (\$458,340) (\$472,287) (\$13,065) (\$2,297,45)  Total 2,755,287
Prior (True-Up) Expenses Recovered in Feb-2016  (a) Readernial  (ii) C. e. I. Non-Dormand  (iii) C. e. I. Down-Dormand  (iii) C. e. I. Down-Dormand  (iv) Outdoor Lighting  Feb-16 Fuel Cost Charge  (a) Residential  (ii) C. e. I. Non-Dormand  (iii) C. e. I. Non-Dormand  (iii) C. e. I. Down-Dormand  (iii) C. e. I. Down-Dormand  (iii) C. e. I. Down-Dormand	Tote-Up Factor Dec-2015  (0) -0.113908c -0.117353c -0.112153c -0.142393c -0.0482325c -0.0882325c -0.0883275c  Base Costs Research (Colf)  2.7390c -2.812c -2.6885c	Feb-2016 (b) 652,530 76,652 730,819 321,888 528,691 116,770 2,327,350  Fuel Adj Factor (om 12-designam th (raj)) 6.0024c 0.023c	(\$2,667,448)  Total  Feb-2016  (a/*6)*10  (\$743,254  (\$89,935)  (\$819,628  (\$458,945)  \$52,597,435  Total  Done *Parinte*  2.753,6  2.2856  2.7116
Prior (True-Up) Expenses Recovered in Feb-2016 (i) Residential (ii) C & I Non-Demand (iii) C & I Demand Non-TOD (iv) C & I Demand TOD On-Peak (iv) C & I Demand TOD On-Peak (iv) C & I Demand TOD On-Feak (iv) Outdoor Lighting  Feb-16 Fuel Cost Charge (i) Residential (ii) C & I Non-Demand (iii) C & I Demand Non-TOD (iii) C & I Demand Non-TOD (iv) C & I Demand Non-TOD (iv) C & I Demand Non-TOD	True-Up Factor   Dec-2015	Peb-2016  (b)  (6.52,530)  76,652  730,919  321,888  528,671  16,770  2,327,350  Fuel Adj Factor  0.023e  0.024e  0.024e  0.024e  0.025e	\$2.667,448) Total Feb-2016 (0/16/910 (5743,284) (889,933) (8819,628) (5458,246) (5472,287) (513,962) (22,977,433) Total Rue 1 Para 2 27536 27116 3.4441
Prior (True-Up) Expenses Recovered in Feb-2016 (a) Renderrial (ii) C. et 1. Nov. Demand (iii) C. et 1. Nov. Demand (iii) C. et 1. Nov. Demand (iii) C. et 1. Demand Vour-IOD (iv) C. et 1. Demand Vour-IOD (vi) C. et 1. Demand VOD Oft-Peak (vi) Outdoor Lighting  Feb-16 Fuel Cost Charge (a) Residential (ii) C. et 1. Nov. Demand (iii) C. et 1. Demand Vour-IOD (vi) C. et 1. Demand VOD Oft-Peak	Tote-Up Factor Dec-2015  (0) -0.113908c -0.117353c -0.112153c -0.142393c -0.0482325c -0.0882325c -0.0883275c  Base Costs Research (Colf)  2.7390c -2.812c -2.6885c	Feb-2016 (b) 652,530 76,652 730,819 321,888 528,691 116,770 2,327,350  Fuel Adj Factor (om 12-designam th (raj)) 6.0024c 0.023c	(\$2,667,448) Total Feb-2016 (9°99'10 (\$2,43,284) (\$44,284) (\$44,285) (\$458,346) (\$472,297) (\$13,065) (\$2,297,45)  Total Russ + France 2,7536 2,8566 2,77116 3,4416 2,1599
Prior (True-Up) Expenses Recovered in Feb-2016 (a) Residential (iii) C. A. Cornel-Armuel (iii) C. A. L. Cornel-Armuel (iii) C. A. L. Cornel-Armuel (iii) C. A. L. Demand TOD Ob-Pack (iv) C. A. L. Demand TOD Ob-Pack (iv) Outdoor Lighting  Feb-16 Fuel Cost Charge (i) Residential (iii) C. A. L. Demand Non-TOD (iv) C. A. L. Demand Non-TOD (iv) C. A. L. Demand TOD Ob-Pack (iv) C. C. L. Demand TOD Ob-Pack (iv) C. C. L. Demand TOD Ob-Pack (iv) Outdoor Lighting	True-Up Easter  Dec-2015  (a)  -0.11390sc -0.117355c -0.112395c -0.112395c -0.1083275c -0.	Feb-2016	(\$2,667,448) Total Feb-2016 (9°99'10 (\$2,43,284) (\$44,284) (\$44,285) (\$458,346) (\$472,297) (\$13,065) (\$2,297,45)  Total Russ + France 2,7536 2,8566 2,77116 3,4416 2,1599
Prior (True-Up) Expenses Recovered in Feb-2016 (i) Readenial (ii) C & I Non-Demand (iii) C & I Demand Non-TOD (iv) C & I Demand TOD On-Peak (v) C & I Demand TOD On-Peak (v) C & I Demand TOD On-Peak (vi) C Author Lighting  Feb-16 Fuel Cost Charge (i) Readenial (ii) C & I Non-Demand (iii) C & I Demand Non-TOD (iv) C & I Demand TOD On-Peak (v) C & I Demand TOD On-Peak (v) C & I Demand TOD On-Peak (v) C Author Lighting  Cost Recovered in Feb-16 Based on Forecast	True-Up Factor   Dec-2015	Feb-2016	\$2,667,448\$ Total  Peb-2016  (a*a*b**)*-10  (a*a*b**)*-10  (s*97,95)*-10  (\$97,95)*-10  (\$13,96)*-10  Total  fine Trailer  2,755e  2,856e  3,4414  2,159e  2,013e
Prior (Ture-Up) Expenses Recovered in Feb-2016 (a) Readential (iii) Cat I Nove Demand (iii) Cat I Down May Nov TOD (iv) Cat I Downad TOD Oh Peak (vi) Cat I Downad TOD Oh Peak (vi) Oandoor Lighting  Feb-16 Fuel Cost Charge (a) Readential (ii) Cat I Nove-Demand (iii) Cat I Downad TOD Oh Peak (vi) Oandoor Lighting (vi) Cat I Downad TOD Oh Peak (vi) Cat I Downad Cot I Johning Cost Recovered in Feb-16 Based on Forecast (vi) Readential	True-Up Easter  Dec-2015  (a)  -0.11390sc -0.117355c -0.112395c -0.112395c -0.1083275c -0.	Feb-2016	(\$2,667,448) Total Feb-2016 (9°99'10 (\$2,43,284) (\$44,284) (\$44,285) (\$458,346) (\$472,297) (\$13,065) (\$2,297,45)  Total Russ + France 2,7536 2,8566 2,77116 3,4416 2,1599
Prior (True-Up) Expenses Recovered in Feb-2016 (i) Residential (ii) C & I Non-Demand (iii) C & I Demand Non-TOD (iv) C & I Demand TOD On-Peak (v) C & I Demand TOD On-Peak (v) C & I Demand TOD On-Peak (v) Outdoor Lighting  Feb-16 Fuel Cost Charge (i) Residential (ii) C & I Non-Demand (iii) C & I Demand Non-TOD (iv) C & I Demand TOD On-Peak (v) C Auto-Tod Demand (iii) Counter Lighting  Cost Recovered in Feb-16 Based on Forecast (i) Residential (ii) C & I Non-Demand (ii) C & I Non-Demand (ii) C & I Non-Demand (iii) C & I Non-Demand (ii) C & I Non-Demand	True-Up Execut   Dac-2015	Feb-2016	\$2,667,448\$ Total  Peb-2016  (a*0)**10**10**10**10**10**10**10**10**10*
Prior (Ture-Up) Expenses Recovered in Feb-2016  (a) Readental  (ii) C. kt. Dison-Demand  (iii) C. kt. Dison-Demand  (iii) C. kt. Dison-Demand  (iv) C. kt. Dison-dison-DiD  (iv) C. kt. Dison-did  (iii) C. kt. Dison-did  (iii) C. kt. Dison-did  (iii) C. kt. Dison-did  (iv) C. kt. Dison-diversion  (iv) C. kt.	True-Up Easter	Feb-2016	\$2,567,448\$  Total  Feb-2016  (\$9*99*10  (\$743,289  (\$49,935)  (\$438,340  (\$472,297  (\$13,065)  Total  Inse + France  2,753  2,856  2,711  3,441  2,159  2,0136
Prior (True-Up) Expenses Recovered in Feb-2016 (i) Readenial (ii) C & I Non-Demand (iii) C & I Domand Non-TOD (iii) C & I Domand Non-TOD (iii) C & I Domand Non-TOD (iii) C & I Domand TOD On-Peak (v) C & I Domand TOD On-Peak (vi) Outdoor Lighting  Feb-16 Fuel Cost Charge (i) Readenial (ii) C & I Non-Demand (iii) C & I Non-Demand (iii) C & I Domand Non-TOD (iv) C & I Domand TOD On-Peak (v) C & I Domand TOD On-Peak (v) C & I Domand TOD On-Peak (v) C & I Domand On-TOD (iv) Outdoor Lighting  Cost Recovered in Feb-16 Based on Forecast (ii) Readenial (iii) C & I Non-Demand (iii) C & I Domand TOD On-Peak	True-Up Easter	Feb-2016	\$2,667,448) Total Feb-2016  (9*99*10 (574,328) (589,935) (581,935) (543,346) (5472,397) (313,965) (313,965) Total  Ibas + France 2,7536 2,257,453  2,2656 2,7116 3,4416 2,1596 2,0136  \$17,966,924 \$2,173,953 \$19,81273,953
Prior (True-Up) Expenses Recovered in Feb-2016  (a) Reademial  (ii) C. et D. Non-Demand  (iii) C. et D. Hown-D. Non-TOD  (iv) C. et D. Bernad (iv) Non-TOD  (iv) C. et D. Bernad (iv) C. et D. Read  (iv) Outdoor Lighting  Feb-16 Facel Cost Charge  (a) Reademial  (ii) C. et D. Rosa-Demand  (iii) C. et J. Demand TOD Off-Pask  (iv) C. et J. Demand TOD Off-Pask  (iv) C. et J. Demand TOD Off-Pask  (iv) Outdoor Lighting  Cost Recovered in Feb-16 Based on Forecast  (iv) Endoor Lighting  Cost Recovered in Feb-16 Based on Forecast  (iv) Cutdoor Lighting  (ii) C. et J. Demand TOD  (iv) C. et D. Demand (iii)  (iii) C. et D. Demand (iii)  (iv) C. et D. Demand (iv)	True-Up Factor	Feb-2016	(\$2,667,448) Total Peb-2016 (a)*(a)*(b)*(1)*(6,890,53); (\$810,53); (\$412,384); (\$13,30,5); (\$13,30,5); (\$2,307,34); Total fine Transc 2,1556 2,2566 3,444(2 2,1596 2,013,65); \$17,066,924 \$2,173,953 \$19,812,971 \$11,076,924
Prior (True-Up) Expenses Recovered in Feb-2016 (i) Readenial (ii) C & I Non-Demand (iii) C & I Domand Non-TOD (iii) C & I Domand Non-TOD (iii) C & I Domand Non-TOD (iii) C & I Domand TOD On-Peak (v) C & I Domand TOD On-Peak (vi) Outdoor Lighting  Feb-16 Fuel Cost Charge (i) Readenial (ii) C & I Non-Demand (iii) C & I Non-Demand (iii) C & I Domand Non-TOD (iv) C & I Domand TOD On-Peak (v) C & I Domand TOD On-Peak (v) C & I Domand TOD On-Peak (v) C & I Domand On-TOD (iv) Outdoor Lighting  Cost Recovered in Feb-16 Based on Forecast (ii) Readenial (iii) C & I Non-Demand (iii) C & I Domand TOD On-Peak	Total-Up Easter   Dec-2015	Feb-2016	\$2,667,448\$  Total  Feb-2016  (9*9)*10  (5*43,284) (5*43,284) (5*43,285) (5*43,846) (5*47,287) (3*13,065)  Total  Res + Freste 2.775,8 2.8566 2.77116 3.4416 2.1596 2.0136  \$17,966,924 \$2,173,953 \$19,812,775,888 \$11,477,688
(ii) C. & I. Non-Demand (iii) C. & I. Demand Non-TOD (iv) C. & I. Demand Non-TOD (iv) C. & I. Demand TOD OR-Peak (iv) Outdoor Lighting  Feb-16 Fuel Cost Charge (iii) Residential (iii) C. & I. Tomod Non-TOD (iv) C. & I. Demand Non-TOD (iv) C. & I. Demand Non-TOD (iv) C. & I. Demand TOD OR-Peak (iv) Outdoor Lighting Total	True-Up Easter	Feb-2016	\$2,667,448\$  Total  Peb-2016  (a)*0b)*10  (89/93)*3  (\$89/93)*3  (\$13,306)  (\$12,207,318)  Total  Res **Testor*  2,753*  2,856* 2,316* 2,2159 2,2139 2,159 2
Prior (Ture-Up) Expenses Recovered in Feb-2016 (a) Residential (ii) C. R. 1 Nova-Demand (iii) C. R. 1 Nova-Demand (iii) C. R. 1 Demand Nova-TOD (iv) C. R. 1 Demand Nova-TOD (iv) C. R. 1 Demand TOD On-Peak (vi) Outdoor Lighting  Feb-16 Fuel Cost Charge (i) Residential (iii) C. R. 1 Nova-Demand (iii) C. R. 1 Nova-Demand (iii) C. R. 1 Nova-Demand (iii) C. R. 1 Demand TOD On-Peak (vi) Outdoor Lighting  Cost Recovered in Feb-16 Based on Forecast (ii) Residential (iii) C. R. 1 Nova-Demand (iii) C. R. 1 Nova-Demand (iii) C. R. 1 Nova-Demand (iii) C. R. 1 Demand Nova-TOD (iv) C. R. 1 Demand Nova-TOD (iv) C. R. 1 Demand TOD On-Peak (vi) Cuttoor Lighting  Cost Recovered in TOD On-Peak (vi) Outdoor Lighting  Total  Actual Cost Should Have Been Recovered in Feb-16 Line 12d	Trace-Up Easter  Dec-2015  (c) (d) (d) (d) (d) (117358 (d) (117358 (d) (1121528 (d) (142398 (d)	Feb-2016	\$2,667,448\$  Total  Feb-2016  (9*99*10  (574,3.28) (589,9.53) (589,9.53) (581,3.66) (543,3.46) (547,2.29) (513,0.65) (513,0.65) (52,0.77,45)  Total    http://doi.org/10.100/10.1
Prior (True-Up) Expenses Recovered in Feb-2016 (i) Readenial (ii) C & I Non-Demand (iii) C & I Domand Non-TOD (iii) C & I Non-Demand (iii) C & I Domand Non-TOD (iii) C & I Non-Demand (iii) C & I Domand Non-TOD (iii) C & I Domand TOD On-Peak (iiii) C & I Domand TOD On-Peak (iiiii) C & I Domand TOD On-Peak (iiiiii) C & I Domand TOD On-Peak (iiiiiii) C & I Domand TOD On-Peak (iiiiiiii) C & I Domand TOD On-Peak (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	Trace-Up Easter  Dec-2015  (c) (d) (d) (d) (d) (117358 (d) (117358 (d) (1121528 (d) (142398 (d)	Feb-2016	\$2,667,448\$  Total  Peb-2016  (a)*0b)*10  (89/93)*3  (\$89/93)*3  (\$13,306)  (\$12,207,318)  Total  Res **Testor*  2,753*  2,856* 2,316* 2,2159 2,2139 2,159 2

Column (B)

Column (A)

# $Act\underline{ual\ Costs\ for\ Feb\text{-}16\ and\ Projected}\ Costs\ for\ Apr\text{-}16\ -\ REVISED\ ATTACHMENT\ 1\ PAGE\ 2$

E002/AA-16-274

		Column (AA)	Column (A)	Column (B)
		Projected *	Actual	Projected
		Feb-2016	Feb-2016	Apr-2016
	,	* From 2 months ago		
	System Fuel, Purchased Power Costs & MISO Recovery Authorized in Minnesota J	urisdiction		
1	Account 151 - Fossil Fuel		\$34,725,752	
2	Account 518 - Nuclear Fuel		\$7,279,561	
	Account 555 - Purchased Power (Include WindSource Wind Contracts, excludes wind curt	tailment navmente)		
3a		taiment payments)	\$38,306,607	
3b	Account 555 - Wind Curtailment Payment (as reported in Wind Curtailment Report)		\$306,314	
3bb	Account 555 - Biomass Curtailment Payment (as reported in Biomass Curtailment Report)		\$0	
3c	Account 555 - Subtotal		\$38,612,921	
3d	Account 555 - MISO Day 2 Charges - Total		\$6,341,748	
3e	- Schedules 16 & 17		\$662,862	
3f	- Schedule 24		\$97,706	
3ff	- RSG/RNU Allocation Adjustment		\$29,474	
311			- ·	
	- RT PV MWP Allocation Adjustment		\$0	
	- Congestion and Loss Allocation Adjustment		\$345,045	
3g	Account 555 - MISO Day 2 Charges - Net		\$5,206,661	
3h	Account 555 - MISO ASM Charges			
	- Excessive/Non-Excessive Charges		\$1,061,441	
	- Other Charges		\$70,839	
	- Congestion and Loss Allocation Adjustment		(\$467)	
	Account 555 - MISO ASM Charges - Total		\$1,131,813	
3i	Account 555 - Total MISO Charges		\$6,338,474	
4	Total System Costs		\$ 86,956,708	
5a	Less Fuel Cost of Intersystem Sales (Included MISO Day 2 Charges)		(\$6,168,145)	
	Less Account 555 - Purchased Power For Windsource Program		(\$0,100,115)	
5b				
	Windsource Energy Costs		(\$411,071)	
	Windsource Renewable Energy Certificates (RECs) Purchases		\$0	
	Windsource REC-Related Fuel Costs			
			(\$111,018)	
5b	Subtotal		(\$522,089)	
6a	Net System Costs (Exclude WindSource Related Contract Costs)		\$ 80,266,474	
5c	Less Account 555 - Purchased Power For Solar Gardens Program			
JC				
	Solar Gardens Program - Credits		<b>\$</b> 0	
	Solar Gardens Program - Unsubscribed Energy Purchase		(\$1,264)	
5c	Subtotal		(\$1,264)	
6	Net System Costs (Exclude WindSource Related Contract Costs) [4+5a+5b]	\$89,482,589	\$80,265,210	\$81,013,535
	=	ψ07,102,307	\$00,203,210	ψοι,σιο,οσο
	NSP System MWh Sales			
7	Total NSP System Retail		3,228,305	
8	Firm Re-sale			
	Total NSP System		2 222 227	
9	•		3,228,305	
9a	Windsource MWh		11,068	
9b	Total NSP System Exclude Windsource	3,310,062	3,217,237	3,106,071
	NSP System Cost of Fuel, Purchased Power & MISO Recovery Per KWh			
	NSP System Cost of Fuel, Furchased Power & MISO Recovery Fer Kwii			
10	System Energy Cost per kWh [line 6 / line 9b/ 10]	2.703¢	2.495¢	2.608¢
	-			
	Minnesota Jurisdictional Calendar Month Retail MWh Sales Subject To FCA			
	Minnesota Jurisdictional Calendar Month Retail MWn Sales Subject 10 FCA			
11	Total Minnesota Retail MWh		2,338,418	
	Windsource MWh			
12		2 20 5 0 5 4	11,068	2 254 424
12a	Total Minnesota Retail MWh Subject to FCA [Line 11 - Line 12]	2,385,071	2,327,350	2,251,426
	Minnesota Jurisdictional Energy Cost			
	Nat System Costs Applicable to Minnesota Insignifican II inc 10vLine 12cv101	¢64 460 471	\$50 067 202	¢59 717 100
12b	Net System Costs Applicable to Minnesota Jurisdiction [Line 10xLine 12ax10]	\$64,468,471	\$58,067,383	\$58,717,180
12c	Total Allocated Asset and Non-Asset Based Intersystem Margin	\$0	\$0	\$0
12d	Total Minnesota Jurisdictional Energy Cost	\$64,468,471	\$58,067,383	\$58,717,180
	Minnesota Energy Cost Per KWh [Line 12d/Line 12a/10]	2.703¢		2.608¢
12e	Entrancesom Energy Cost For Kwii [Enite 120/ Enite 120/ 10]	2.7030	2.493¢	2.000¢

Column (AA)

## Actual Costs for Mar-16 and Projected Costs for May-16 - REVISED ATTACHMENT 1 PAGE 2

E002/AA-16-372

	Column		(	Column (A)	Column (B)
	Project			Actual	Projected
	Mar-		N	Mar-2016	May-2016
	* From 2 mc	0			
	System Fuel, Purchased Power Costs & MISO Recovery Authorized in Minnesota Jurisdiction				
1	Account 151 - Fossil Fuel			\$27,324,375	
2	Account 518 - Nuclear Fuel	,		\$10,696,586	
3a	Account 555 - Purchased Power (Include WindSource Wind Contracts, excludes wind curtailment pays	ments)		\$38,819,576	
3b	Account 555 - Wind Curtailment Payment (as reported in Wind Curtailment Report)			\$302,311	
3bb	Account 555 - Biomass Curtailment Payment (as reported in Biomass Curtailment Report)			\$0 \$39,121,887	
3c	Account 555 - Subtotal				
3d	Account 555 - MISO Day 2 Charges - Total			\$4,691,969	
3e	- Schedules 16 & 17			\$580,054	
3f	- Schedule 24 - RSG/RNU Allocation Adjustment			\$82,385	
3ff	- RT PV MWP Allocation Adjustment			(\$33,450) \$0	
	- Congestion and Loss Allocation Adjustment			\$581,556	
2-	Account 555 - MISO Day 2 Charges - Net			\$3,481,424	
3g 3h	Account 555 - MISO ASM Charges			\$3,461,424	
311	- Excessive/Non-Excessive Charges			\$729,518	
	- Other Charges			\$67,649	
	- Congestion and Loss Allocation Adjustment			(\$11,145)	
	Account 555 - MISO ASM Charges - Total			\$786,022	
3i	Account 555 - Total MISO Charges			\$4,267,446	
4	Total System Costs		\$	81,410,293	
5a	Less Fuel Cost of Intersystem Sales (Included MISO Day 2 Charges)			(\$6,558,736)	
5b	Less Account 555 - Purchased Power For Windsource Program			(90,550,750)	
55	Windsource Energy Costs			(\$424,994)	
	Windsource Renewable Energy Certificates (RECs) Purchases			\$0	
	Windsource REC-Related Fuel Costs			(\$100,578)	
	Subtotal			<u> </u>	
5b			\$	(\$525,572) 74,325,985	
6а 5с	Net System Costs (Exclude WindSource Related Contract Costs) Less Account 555 - Purchased Power For Solar Gardens Program		Φ	74,323,763	
	Solar Gardens Program - Credits			\$0	
	Solar Gardens Program - Unsubscribed Energy Purchase			(\$5,233)	
5c	Subtotal			(\$5,233)	
6	Net System Costs (Exclude WindSource Related Contract Costs) [4+5a+5b]	83,163,634		\$74,320,752	\$86,076,157
		, ,		" /	
	NSP System MWh Sales				
7	Total NSP System Retail			3,268,372	
	Firm Re-sale			3,200,372	
8	Total NSP System			2 260 272	
9	Windsource MWh			3,268,372	
9a				12,755	
9Ь	Total NSP System Exclude Windsource	3,471,813		3,255,617	3,222,764
	NSP System Cost of Fuel, Purchased Power & MISO Recovery Per KWh				
10	System Energy Cost per kWh [line 6 / line 9b/ 10]	2.395¢		2.283¢	2.671¢

# $Act\underline{ual\ Costs\ for\ Apr-16\ and\ Projected}\ Costs\ for\ Jun-16\ -\ REVISED\ ATTACHMENT\ 1\ PAGE\ 2$

E002/AA-16-492

		Column (AA)	Column (A)	Column (B)
		Projected *	Actual	Projected
	*I	Apr-2016	Apr-2016	Jun-2016
	System Fuel, Purchased Power Costs & MISO Recovery Authorized in Minnesota Jur	From 2 months ago		
1	Account 151 - Fossil Fuel		\$23,358,395	
2	Account 518 - Nuclear Fuel		\$10,504,918	
3a	Account 555 - Purchased Power (Include WindSource Wind Contracts, excludes wind curtain	lment payments)	\$42,618,294	
3b	Account 555 - Wind Curtailment Payment (as reported in Wind Curtailment Report) Account 555 - Biomass Curtailment Payment (as reported in Biomass Curtailment Report)		\$635,338 \$0	
3bb 3c	Account 555 - Subtotal	-	\$43,253,632	
3d	Account 555 - MISO Day 2 Charges - Total	-	\$1,644,428	
3e	- Schedules 16 & 17		\$566,192	
3f	- Schedule 24		\$87,127	
3ff	- RSG/RNU Allocation Adjustment - RT PV MWP Allocation Adjustment		\$38,365 \$0	
	- Congestion and Loss Allocation Adjustment		\$753,763	
3g	Account 555 - MISO Day 2 Charges - Net	-	\$198,981	
3h	Account 555 - MISO ASM Charges	-	·	
	- Excessive/Non-Excessive Charges		\$1,766,824	
	- Other Charges - Congestion and Loss Allocation Adjustment		\$94 <b>,</b> 094 (\$1,129)	
	Account 555 - MISO ASM Charges - Total		\$1,859,789	
3i	Account 555 - Total MISO Charges	-	\$2,058,769	
4	Total System Costs	- -	\$ 79,175,715	
5a	Less Fuel Cost of Intersystem Sales (Included MISO Day 2 Charges)		(\$9,933,338)	
5b	Less Account 555 - Purchased Power For Windsource Program			
	Windsource Energy Costs		(\$519,175)	
	Windsource Renewable Energy Certificates (RECs) Purchases		\$0	
	Windsource REC-Related Fuel Costs	-	(\$100,438)	
5b	Subtotal	-	(\$619,613)	
6a	Net System Costs (Exclude WindSource Related Contract Costs) Less Account 555 - Purchased Power For Solar Gardens Program	=	\$ 68,622,764	
5c	Solar Gardens Program - Credits		(85.07)	
	Solar Gardens Program - Unsubscribed Energy Purchase		(\$597)	
5с	Subtotal		\$0 (\$597)	
6	Net System Costs (Exclude WindSource Related Contract Costs) [4+5a+5b]	\$81,013,535	\$68,622,167	\$91,062,045
	· · · · · · · <del>-</del>	, ,		, ,
	NSP System MWh Sales			
7	Total NSP System Retail		2,948,008	
8	Firm Re-sale		-	
9	Total NSP System Windsource MWh		2,948,008	
9a		2 106 071	10,645	2 526 700
9b	Total NSP System Exclude Windsource	3,106,071	2,937,363	3,526,708
	NSP System Cost of Fuel, Purchased Power & MISO Recovery Per KWh			
	0 . 7 . 0 . 1971 51 . ( /1) . 01 /401	2 (00 )	2.224	0.500 /
10	System Energy Cost per kWh [line 6 / line 9b/ 10]	2.608¢	2.336¢	2.582¢
	Minnesota Jurisdictional Calendar Month Retail MWh Sales Subject To FCA			
	Tetal Missesser, Detail MW/I			
11	Total Minnesota Retail MWh Windsource MWh		2,162,456	
12 12a	Total Minnesota Retail MWh Subject to FCA [Line 11 - Line 12]	2,251,426	10,645 2,151,811	2,614,487
124		2,231,420	2,131,011	2,014,407
	Minnesota Jurisdictional Energy Cost			
12b	Net System Costs Applicable to Minnesota Jurisdiction [Line 10xLine 12ax10]	\$58,717,180	\$50,266,305	\$67,506,043
12c	Total Allocated Asset and Non-Asset Based Intersystem Margin	\$0	\$0	\$0
12d	Total Minnesota Jurisdictional Energy Cost	\$58,717,180	\$50,266,305	\$67,506,043
12e	Minnesota Energy Cost Per KWh [Line 12d/Line 12a/10]	2.608¢	2.336¢	2.582¢
	_			

## **CERTIFICATE OF SERVICE**

- I, Lynnette Sweet, hereby certify that I have this day served copies of the foregoing document on the attached list of persons.
  - <u>xx</u> by depositing a true and correct copy thereof, properly envelopedwith postage paid in the United States mail at Minneapolis, Minnesota
  - xx electronic filing

# **DOCKET NO. E999/AA-16-523**

Dated this 9 <sup>th</sup> day of October 2017
/s/
Lynnette Sweet

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Christopher	Anderson	canderson@allete.com	Minnesota Power	30 W Superior St  Duluth,  MN  558022191	Electronic Service	No	OFF_SL_16-523_AA-16-523
Julia	Anderson	Julia.Anderson@ag.state.m n.us	Office of the Attorney General-DOC	1800 BRM Tower 445 Minnesota St St. Paul, MN 551012134	Electronic Service	Yes	OFF_SL_16-523_AA-16-523
Carl	Cronin	Regulatory.records@xcele nergy.com	Xcel Energy	414 Nicollet Mall FL 7  Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_16-523_AA-16- 523
lan	Dobson	Residential.Utilities@ag.sta te.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012130	Electronic Service	Yes	OFF_SL_16-523_AA-16-523
Marie	Doyle	marie.doyle@centerpointen ergy.com	CenterPoint Energy	505 Nicollet Mall P O Box 59038 Minneapolis, MN 554590038	Electronic Service	No	OFF_SL_16-523_AA-16- 523
Sharon	Ferguson	sharon.ferguson@state.mn .us	Department of Commerce	85 7th Place E Ste 280  Saint Paul, MN 551012198	Electronic Service	No	OFF_SL_16-523_AA-16-523
Bruce	Gerhardson	bgerhardson@otpco.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_16-523_AA-16-523
Douglas	Larson	dlarson@dakotaelectric.co m	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_16-523_AA-16- 523
Amber	Lee	ASLee@minnesotaenergyr esources.com	Minnesota Energy Resources Corporation	2665 145th St W  Rosemount, MN 55068	Electronic Service	No	OFF_SL_16-523_AA-16- 523
Samantha	Norris	samanthanorris@alliantene rgy.com	Interstate Power and Light Company	200 1st Street SE PO Box 351 Cedar Rapids, IA 524060351	Electronic Service	No	OFF_SL_16-523_AA-16- 523

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Leann	Oehlerking Boes	lboes@mnpower.com	Minnesota Power	30 W Superior St  Duluth,  MN  55802	Electronic Service	No	OFF_SL_16-523_AA-16-523
Randy	Olson	rolson@dakotaelectric.com	Dakota Electric Association	4300 220th Street W.  Farmington, MN 55024-9583	Electronic Service	No	OFF_SL_16-523_AA-16- 523
Stuart	Tommerdahl	stommerdahl@otpco.com	Otter Tail Power Company	215 S Cascade St PO Box 496 Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_16-523_AA-16- 523
Robyn	Woeste	robynwoeste@alliantenerg y.com	Interstate Power and Light Company	200 First St SE  Cedar Rapids, IA 52401	Electronic Service	No	OFF_SL_16-523_AA-16-523
Daniel P	Wolf	dan.wolf@state.mn.us	Public Utilities Commission	121 7th Place East Suite 350 St. Paul, MN 551012147	Electronic Service	Yes	OFF_SL_16-523_AA-16- 523