



April 12, 2019

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

**PUBLIC DOCUMENT – NOT  
PUBLIC (OR PRIVILEGED)  
DATA HAS BEEN EXCISED**

**RE: In the Matter of a Commission Inquiry into the Impact of Severe Weather in  
January and February 2019 on Utility Operations and Service  
Docket No. E,G-999/CI-19-160  
Comments**

Dear Mr. Wolf:

Otter Tail Power Company (Otter Tail) hereby submits its Comments in response to the Minnesota Public Utilities Commission's (Commission) March 18, 2019 notice in the above described matter. In these Comments, Otter Tail responds to information requests 5-10.

Otter Tail has taken reasonable efforts to maintain the secrecy of the information marked as PROTECTED DATA in Attachment 2 and Attachment 3, which derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use (the "Protected Data"). The Protected Data is therefore "trade secret information" and "nonpublic data" under Minn. Stat. § 13.37.

### **Electric Utilities**

5. *Electric utilities shall provide status of all their generation units, Demand Resources and purchased power agreements from January 28, 2019 to January 31, 2019. The status includes hourly MISO offer price, Economic Maximum MW, Emergency Maximum MW, offered MW, deployed MW, commitment status (FRAC, IRAC, Day Ahead or Real Time), and dispatch status. Also, the status includes unit level fuel availability of primary and secondary source, fuel contract status (firm, non-firm, or on site) of primary and secondary source, and Generating Availability Data System report data.*

In response to information request point 5, Otter Tail includes Attachments 1 to 3 to this filing. Attachment 1 provides the Generating Availability Data System (GADS) data. The GADS data report provides the outage and derate data for the severe weather time frame. The outage and derate related descriptions provided explain the cause. These conditions are not directly related to the severe cold weather during this time frame.

Otter Tail provides its generation resource related information as Trade Secret Attachment 2 to these comments. Otter Tail utilizes a multi-point pricing curve to offer its generation resources to the MISO day ahead and real time markets. As seen in Trade Secret Attachment 2, Part 1, Column F and G, Line No. 3, Otter Tail offered a certain number of MWs to the market at a certain price per MWh. Otter Tail utilizes the same, unit specific, multi-point pricing curve for both day ahead and real time offers with the exception of Solway Generation Plant. Otter Tail provides Trade Secret Attachment 2, Part 5 detailing the hourly specific multi-point offer curves for Solway Generation Plant.

Otter Tail notifies the market of any outages through the MISO portal via the Control Room Operations Window (CROW). This is the formal process for reporting outages to the MISO market. Otter Tail provides the CROW Web Operations Report, from the MISO Portal, for the severe weather time frame as Attachment 3 to these comments. This is a complete look at our outage forecast for this time frame.

Otter Tail's economic load control program was operational during this timeframe and was utilized for its own purposes on January 30 and 31.

Otter Tail had one bilateral purchase of 50 MW for on-peak hours that was in place during this severe weather time period. That bilateral purchase was not made due to the severe weather event, but instead, is part of a long term contract that is part of our normal course of business.

*6. Electric utilities shall provide hourly day ahead Wind and Solar energy production forecast and forecast parameters used to produce the forecast.*

Otter Tail includes Attachment 4 to this filing providing the hourly day ahead forecast in MW for wind generation. Attachment 4, Part 1-4, Row 1 provides the date and time the forecast was produced. Column A, Row 3 of each Part indicates for which day ahead, market date, the forecast was used. Row three also provides the wind generation facility. Each facility's twenty four hour day ahead forecast is reported in descending rows beneath each respective wind generation facility heading. The corresponding market hours are provided in Column A, Row 4, depicting HE 1, and run through Column A, row 27, depicting HE 24. Part 1 – 28 reflects the forecast made on the morning of January 27 for the day ahead market date of January 28. Each respective Part in Attachment 4 follows similar patterns.

*7. Electric utilities shall provide wind and solar temperature cutoff thresholds for each MISO EP Node.*

Otter Tail's owned wind facilities have the cold weather package on all turbines. Table 1 below provides Otter Tail's owned wind related MISO EP Nodes (Column A) and the temperature cutoff thresholds (Column B).

**Table 1**

Line No.	A	B
1	<b><u>MISO EP Node</u></b>	<b><u>Temperature Cutoff Threshold</u></b> <b><u>(in degrees Fahrenheit)</u></b>
2	OTP.ASHTUBULA	-22
3	OTP.LANGDN1	-22
4	OTP.MPWR	-22

8. *The utilities shall provide details of how the Commission could help convey messages to the public during such an event.*

Otter Tail believes that utilities are in the best position to convey messages related to facility performance during a severe weather event. If MISO requests load control or load reduction is needed, our load reduction policy outlines a detailed communication plan. Otter Tail's load reduction communication plan includes the Commission on the news release distribution list.

9. *Utilities shall provide an account of lessons learned and steps to be taken to help prepare for the next severe weather event. Example: Was there anything learned about the functioning of Excess Flow Valves and Regulators that can be used to prevent natural gas outages in the future?*

Otter Tail does not have an account of lessons learned; nothing observed from either a generation or delivery system perspective was out of the ordinary. Any issues Otter Tail experienced were things typically seen throughout the year. Our maintenance program is sufficient and we are pleased with how Otter Tail's system performed during this cold weather event. It performed like it was supposed to.

Otter Tail works closely with MISO going into and during weather events like this. We do not plan to make any changes to maintenance procedures as a result of this event. As noted before, we did not experience anything out of the ordinary.

10. *Please provide any other information that would be helpful to the Commission's understanding of these issues.*

Otter Tail believes that the information requested by the Commission for this severe weather event provides insights to the impacts severe weather can have on the system. The Commission may consider reaching out to MISO to get on its distribution list for severe weather notices.

Otter Tail electronically filed this document with the Commission and is serving a copy on all persons on the official service list for this docket. A Certificate of Service is also enclosed.

If you have any questions regarding this filing, please contact me at 218-739-8385 or at [bhaugen@otpc.com](mailto:bhaugen@otpc.com).

Sincerely,

/s/ BRYCE C. HAUGEN

Bryce C. Haugen, Sr. Rates Analyst  
Regulatory Administration

mmo

Enclosures

By electronic filing

c: Service List



## Event Summary Report

Line  
No.

1 Outage Data; Outage Data

2 Report Period: 01/28/2019 to 02/01/2019

3 Rollup Weighting: N/A

4 OMC: None

COYOTE - COYOTE 1							
Event	Type	Start	End	Cause	Description	Eq Hrs	Eq MWH
1	D2	1/27/2019 0:00	1/27/2019 11:40	1200	Deslag Boiler	6.20	2648.33
2	D1	1/27/2019 15:55	1/28/2019 0:00	9200	Poor Coal Quality	0.51	218.25
3	D2	1/29/2019 6:39	1/29/2019 10:00	8530	Change vanes in D-2 dryer position	0.53	224.45
4	D1	1/29/2019 10:00	1/29/2019 12:00	3290	Repair Ash Pond Header	1.06	454.00
5	D1	1/30/2019 1:45	2/4/2019 22:52	9200	Poor Coal Quality	4.66	1988.75

BIG STONE - BIG STONE 1							
Event	Type	Start	End	Cause	Description	Eq Hrs	Eq MWH
5	D4	1/28/2019 7:01	1/28/2019 7:14	4266	Main turbine valve test	0.09	42.25
6	MO	2/1/2019 18:27	2/3/2019 3:51	8651	Baghouse outage	33.40	15865.00

Hoot Lake - Unit 3							
Event	Type	Start	End	Cause	Description	Eq Hrs	Eq MWH
7	U3	1/28/2019 23:57	1/30/2019 1:50	1000	Waterwall tube leak repair	25.88	2070.67
8	D1	1/31/2019 17:37	1/31/2019 18:37	9270	reduced load due to wet coal plugging mill feeders	0.21	17.00

Jamestown - Unit 2							
Event	Type	Start	End	Cause	Description	Eq Hrs	Eq MWH
1	MO	1/31/2019 10:00	1/31/2019 15:50	5001	Issue with the IGV system	5.83	134.09

Lake Preston - Unit 3							
Event	Type	Start	End	Cause	Description	Eq Hrs	Eq MWH
1	MO	1/25/2019 11:00	1/28/2019 18:30	4750	Problem with Voltage Monitoring and Generation Protection System components of Unit	79.50	1756.95

**[PROTECTED DATA BEGINS...**

**Attachment 2**

**NOT PUBLIC IN ITS ENTIRETY**

**...PROTECTED DATA ENDS]**

**[PROTECTED DATA BEGINS...**

**Attachment 3**

**NOT PUBLIC IN ITS ENTIRETY**

**...PROTECTED DATA ENDS]**

Line No.	A	B	C	D	E	F	G
1	Date & Time Forecast Made	01/27/2019 6:22	01/27/2019 6:29	01/27/2019 6:07	01/27/2019 6:07	01/27/2019 6:22	01/27/2019 6:22
2	Forecast For:						
3	1/28/2019	OTP.MPWR	OTP.ASHTAIII	OTP.EDGLYEDGL	OTP.LANGDN1	OTP.ASHTUBUA	OTP.LANGDN2
4	1	47.4	57.5	16.5	9.8	42.7	5.5
5	2	47.5	58.1	16.5	8.8	41.3	5
6	3	47.6	58.4	16.5	7.5	39.5	4.5
7	4	47.1	57.6	16.4	10.6	39.9	5.5
8	5	40	45.8	16.2	15.6	32.6	6.7
9	6	31	29.6	15.9	17.8	25.1	7
10	7	28.4	27.1	15.1	21.1	21.7	7.4
11	8	28.3	29	13.5	21.3	18	8.1
12	9	27.1	26.8	12.5	21.5	17.2	9.2
13	10	28.2	26	11.9	22	17.4	9.2
14	11	32.2	26.4	10.9	20.5	18.4	9.2
15	12	34.5	23.2	10.2	18.5	17.6	9.2
16	13	31.9	22	10.1	20.5	17.2	8.9
17	14	28.7	22	10.7	23.3	17.2	9.6
18	15	29	23.6	11.8	24.9	18.3	10.5
19	16	30.5	27.3	11.6	23.7	21	10.4
20	17	34.5	31.5	11.4	24.4	23.7	11.2
21	18	37	34.6	11.7	24.5	28.5	11
22	19	37.2	34	11.6	24.7	31.6	11.4
23	20	38	29.9	10.9	24.8	28.9	11.6
24	21	34.7	26	10.7	23.5	24.2	11.2
25	22	28.8	24.1	10.2	23.3	19.1	11.1
26	23	30.4	27.1	11.3	23	20.6	10.5
27	24	34	33.7	12.1	23.7	21.5	9.9

Line	A	B	C	D	E	F	G
1	<b>Date &amp; Time Forecast Made</b>	<b>01/28/2019 6:07</b>	<b>01/28/2019 6:09</b>	<b>01/28/2019 6:27</b>	<b>01/28/2019 6:07</b>	<b>01/28/2019 6:12</b>	<b>01/28/2019 6:12</b>
2	<b>Forecast For:</b>						
3	<b>1/29/2019</b>	<b>OTP.MPWR</b>	<b>OTP.ASHTAIII</b>	<b>OTP.EDGLYEDGL</b>	<b>OTP.LANGDN1</b>	<b>OTP.ASHTUBUA</b>	<b>OTP.LANGDN2</b>
4	1	38.7	39.2	12	18.9	23.7	9.5
5	2	38.2	46.1	13.6	17.1	27.4	9.5
6	3	44.5	50.8	13.8	21.2	34.1	10.9
7	4	47.1	54.4	14.8	26.4	36.5	12.9
8	5	46.5	52.2	15.6	28	37.8	13.3
9	6	46.1	43.2	15.8	29.9	39.5	12.8
10	7	46.4	47.6	16.1	33.4	38.9	14
11	8	47.2	56.2	16	37.3	39.1	17.3
12	9	47.5	57.5	16.3	38.7	39.8	18.7
13	10	47.6	58	16.5	39.1	42.1	18.8
14	11	47.6	58.4	16.5	38.6	45.2	18.8
15	12	47.6	58.4	16.5	36.9	45.8	18.7
16	13	47.6	58.4	16.5	36	46.2	17.5
17	14	47.6	58.4	16.5	34.1	46.4	15.6
18	15	47.6	58.4	16.5	27.6	45.6	13.2
19	16	47.5	58.1	15.9	16.7	42.5	10.1
20	17	47	56.9	12.7	13.6	35.5	6.4
21	18	41	52.5	10.7	12.4	30.9	5.9
22	19	33	45.6	8.6	10	29.9	5
23	20	33.5	37.1	8.4	7.8	29.2	4.1
24	21	20.2	27.8	7.8	7.2	14.6	4
25	22	13.7	25.5	7.2	7.1	10	4
26	23	13.2	24.7	8.6	7.7	8.2	3.9
27	24	13.8	26.8	9.1	8.1	8.1	3.8

Line	A	B	C	D	E	F	G
1	<b>Date &amp; Time Forecast Made</b>	<b>01/29/2019 6:22</b>	<b>01/29/2019 6:24</b>	<b>01/29/2019 6:17</b>	<b>01/29/2019 6:27</b>	<b>01/29/2019 6:27</b>	<b>01/29/2019 6:17</b>
2	<b>Forecast For:</b>						
3	<b>1/30/2019</b>	<b>OTP.MPWR</b>	<b>OTP.ASHTAIII</b>	<b>OTP.EDGLYEDGL</b>	<b>OTP.LANGDN1</b>	<b>OTP.ASHTUBUA</b>	<b>OTP.LANGDN2</b>
4	1	12.3	20.2	3.9	6.9	7.1	2.8
5	2	9.8	19.2	3.5	6.8	6.6	2.6
6	3	8.8	18.9	3.6	7	6.6	2.7
7	4	8.2	20.5	3.1	7	7.8	3.1
8	5	8.3	22.7	2.9	7.4	8.8	3.9
9	6	8.9	23.2	2.7	8.5	8.6	4.2
10	7	9.4	21.2	2.1	10.4	8.5	4.6
11	8	9	16.8	1.8	9.8	8	4.9
12	9	8.6	13.5	1.4	9	7.5	4.2
13	10	8.9	12.2	0.7	5.3	6.7	3.3
14	11	9.1	10.3	0	3.3	6.5	2.5
15	12	7.4	7.2	0	1	5.4	2
16	13	6.5	6.2	0	0	4.7	1.6
17	14	5.9	5.3	0.1	0	4.2	0.7
18	15	6.4	6.1	1.6	0	1.5	1.3
19	16	7.1	7.4	1.6	0	3.7	1.1
20	17	9	10.6	1.4	2.3	7.5	2.2
21	18	8.3	12.4	1.3	4.1	8.5	2
22	19	7.5	12.4	0.7	3.8	8.5	1.8
23	20	9.6	12.6	2.1	0.8	8.4	0.7
24	21	9.5	13	2.4	3.5	8.3	2.7
25	22	10.2	15.1	2.5	4.9	8.3	3.3
26	23	11	17.1	3.4	7.3	8	4.2
27	24	11.7	18.5	3.9	9.4	8	4.8

Line	A	B	C	D	E	F	G
1	<b>Date &amp; Time Forecast Made</b>	<b>01/30/2019 6:07</b>	<b>01/30/2019 6:09</b>	<b>01/30/2019 6:07</b>	<b>01/30/2019 6:07</b>	<b>01/30/2019 6:27</b>	<b>01/30/2019 6:12</b>
2	<b>Forecast For:</b>						
3	<b>1/31/2019</b>	<b>OTP.MPWR</b>	<b>OTP.ASHTAIII</b>	<b>OTP.EDGLYEDGL</b>	<b>OTP.LANGDN1</b>	<b>OTP.ASHTUBUA</b>	<b>OTP.LANGDN2</b>
4	1	13.4	1.7	3.6	11.4	8.9	5.7
5	2	14.8	1.8	3.9	12.2	9.5	5.9
6	3	19.2	1.9	4.7	15.8	12	6.1
7	4	19.6	1.6	5.2	16.4	16.7	8.1
8	5	20.2	1.5	5.1	18.1	19.9	9.7
9	6	22.9	1.7	5.1	20.8	22.1	9.1
10	7	24.1	2	5.5	20	22.8	8.4
11	8	27.1	2.4	5.7	20.3	25.2	9.3
12	9	27.7	2.5	5.9	21.5	26.4	11.2
13	10	25.3	2.4	5.5	22.1	25.3	11.2
14	11	24.4	2.2	4.9	20.7	18.8	10.9
15	12	19.7	1.8	4.8	18.6	18.4	10.7
16	13	18.8	1.7	4.7	19.7	19.4	10.3
17	14	18.3	1.7	4.5	22.6	19.3	10.5
18	15	18.2	1.8	3.5	22.9	24.6	10.8
19	16	17.5	2	2.8	17.4	20.4	9.7
20	17	16.9	2	2.4	14.4	14.5	9.8
21	18	16.2	1.8	2.2	13.9	14.2	7.8
22	19	15.9	1.6	2.2	13.9	14.1	7.9
23	20	14.9	1.4	2.2	14.1	13.2	8.3
24	21	14	1.2	2.2	16	11.5	9.3
25	22	11.7	1	2.2	17.3	10.6	9.4
26	23	10.7	0.9	2.1	16.1	10.4	7.9
27	24	12.7	1.2	2.1	16	11.7	7.9

## **CERTIFICATE OF SERVICE**

**RE: In the Matter of a Commission Inquiry into the Impact of Severe Weather in  
January and February 2019 on Utility Operations and Service  
Docket No. E,G-999/CI-19-160**

I, Mikayla Osterman, hereby certify that I have this day served a copy of the following, or a summary thereof, on Daniel P. Wolf and Sharon Ferguson by e-filing, and to all other persons on the attached service list by electronic service or by First Class Mail.

**Otter Tail Power Company  
Comments**

Dated this **12th** day of **April, 2019**.

/s/ MIKAYLA OSTERMAN

Mikayla Osterman  
Regulatory Filing Coordinator  
Otter Tail Power Company  
215 South Cascade Street  
Fergus Falls MN 56537  
(218) 739-8545

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Tamie A.	Aberle	tamie.aberle@mdu.com	Great Plains Natural Gas Co.	400 North Fourth Street  Bismarck, ND 585014092	Electronic Service	No	OFF_SL_19-160_Official
Kristine	Anderson	kanderson@greatermngas.com	Greater Minnesota Gas, Inc.	202 S. Main Street  Le Sueur, MN 56058	Electronic Service	No	OFF_SL_19-160_Official
Alison C	Archer	aarcher@misoenergy.org	MISO	2985 Ames Crossing Rd  Eagan, MN 55121	Electronic Service	No	OFF_SL_19-160_Official
Brenda A.	Bjorklund	brenda.bjorklund@centerpointenergy.com	CenterPoint Energy	505 Nicollet Mall  Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-160_Official
Joe	Brophy	jbrophy@efgroupplc.com	Centra Pipelines Minnesota Inc.	Energy Fundamentals Group LP 2324 Main Street Loondon, ON N6P1A9  CANADA	Electronic Service	No	OFF_SL_19-160_Official
Aakash	Chandarana	Aakash.Chandarana@xcelenergy.com	Xcel Energy	414 Nicollet Mall  Minneapolis, MN 55401	Electronic Service	No	OFF_SL_19-160_Official
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1800  St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_19-160_Official
Joseph	Dammel	joseph.dammel@ag.state.mn.us	Office of the Attorney General-RUD	Bremer Tower, Suite 1400 445 Minnesota Street St. Paul, MN 55101-2131	Electronic Service	No	OFF_SL_19-160_Official
Seth	DeMerritt	Seth.DeMerritt@wecenergygroup.com	MERC (Holding)	700 North Adams PO Box 19001 Green Bay, WI 543079001	Electronic Service	No	OFF_SL_19-160_Official
Laura	Demman	laura.demman@nngco.com	Northern Natural Gas Company	1111 S. 103rd Street  Omaha, NE 68125	Electronic Service	No	OFF_SL_19-160_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Ian	Dobson	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	Yes	OFF_SL_19-160_Official
Linda A.	Farquhar	linda_farquhar@transcanda.com	Great Lakes Gas Transmission Company	700 Louisiana Street, Suite 700  Houston, TX 77002-2700	Electronic Service	No	OFF_SL_19-160_Official
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_19-160_Official
Bruce	Gerhardson	bgerhardson@otpc.com	Otter Tail Power Company	PO Box 496 215 S Cascade St Fergus Falls, MN 565380496	Electronic Service	No	OFF_SL_19-160_Official
Allen	Krug	allen.krug@xcelenergy.com	Xcel Energy	414 Nicollet Mall-7th fl  Minneapolis, MN 55401	Electronic Service	No	OFF_SL_19-160_Official
Douglas	Larson	dlarson@dakotaelectric.com	Dakota Electric Association	4300 220th St W  Farmington, MN 55024	Electronic Service	No	OFF_SL_19-160_Official
Amber	Lee	Amber.Lee@centerpointenergy.com	CenterPoint Energy	505 Nicollet Mall  Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-160_Official
Annie	Levenson Falk	annielf@cubminnesota.org	Citizens Utility Board of Minnesota	332 Minnesota Street, Suite W1360  St. Paul, MN 55101	Electronic Service	No	OFF_SL_19-160_Official
Michael	Loeffler	mike.loeffler@nngco.com	Northern Natural Gas Co.	CORP HQ, 714 1111 So. 103rd Street Omaha, NE 681241000	Electronic Service	No	OFF_SL_19-160_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 7th St E St. Paul, MN 55106	Electronic Service	No	OFF_SL_19-160_Official
Mike	McMullen	mmcmullen@misoenergy.org	MISO	2985 Ames Crossing Rd Eagan, MN 55121	Electronic Service	No	OFF_SL_19-160_Official
Brian	Meloy	brian.meloy@stinson.com	Stinson, Leonard, Street LLP	50 S 6th St Ste 2600 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-160_Official
David	Moeller	dmoeller@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022093	Electronic Service	No	OFF_SL_19-160_Official
Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-160_Official
Kate	O'Connell	kate.oconnell@state.mn.us	Department of Commerce	Suite 50085 Seventh Place East St. Paul, MN 551012198	Electronic Service	No	OFF_SL_19-160_Official
Greg	Palmer	gpalmer@greatermngas.com	Greater Minnesota Gas, Inc.	PO Box 68 202 South Main Street Le Sueur, MN 56058	Electronic Service	No	OFF_SL_19-160_Official
Richard	Savelkoul	rsavelkoul@martinsquires.com	Martin & Squires, P.A.	332 Minnesota Street Ste W2750 St. Paul, MN 55101	Electronic Service	No	OFF_SL_19-160_Official
Kristin	Stastny	kstastny@briggs.com	Briggs and Morgan, P.A.	2200 IDS Center 80 South 8th Street Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-160_Official

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Joseph K	Sullivan	joseph.k.sullivan@state.mn.us	Department of Commerce	85 7th Place East Ste 500  Saint. Paul, MN 55101-2198	Electronic Service	No	OFF_SL_19-160_Official
Lynnette	Sweet	Regulatory.records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7  Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_19-160_Official
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_19-160_Official
Mary	Wolter	mary.wolter@wecenergygroup.com	Minnesota Energy Resources Corporation (HOLDING)	231 West Michigan St  Milwaukee, WI 53203	Electronic Service	No	OFF_SL_19-160_Official
Aaron W.	Wright	N/A	Viking Gas Transmission Company	ONEOK, Inc. 100 W. Fifth Street, MD 12- 2 Tulsa, OK 74103	Paper Service	No	OFF_SL_19-160_Official