



414 Nicollet Mall
Minneapolis, Minnesota 55401-1993

August 3, 2020

Will Seuffert
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, Minnesota 55101

—VIA ELECTRONIC FILING—

RE: SECOND QUARTERLY UPDATE - SOUTHEAST WORK CENTER
2019 AND 2018 ANNUAL SERVICE QUALITY REPORTS
DOCKET NOS. E002/M-20-406, E002/M-19-261

Dear Mr. Seuffert:

Northern States Power Company, doing business as Xcel Energy (the Company), submits this 2nd quarter 2020 update for the Southeast Work Center as committed to in Docket No. E002/M-19-261 and our April 1, 2020 2019 Annual Service Quality Report, Docket No. E002/M-20-406.

In compliance with Order Point 5d of the Commission's January 28, 2020 Order in Docket No. E002/M-19-261, the Company submitted a filing which provided a report of various issues related to staffing and reliability in the Southeast Work Center. In that report, the Company committed to providing quarterly updates regarding the Southeast Work Center until the Commission meets on the Company's 2019 Annual Service Quality Report. We provided the first quarterly update on May 5, 2020.

We have electronically filed this document with the Commission, and copies have been served on the parties on the attached service list. Please contact Pamela Gibbs at pamela.k.gibbs@xcelenergy.com or (612) 330-2889, or myself at gail.baranko@xcelenergy.com or 612-330-6935 if you have any questions regarding this filing.

Sincerely,

/s/

GAIL A. BARANKO
REGULATORY MANAGER
Enclosure
c: Service List

2020 SOUTHEAST WORK CENTER 2ND QUARTER UPDATE
XCEL ENERGY
DOCKET NOS. E002/M-19-261 AND E002/M-20-406
AUGUST 3, 2020

I. OVERVIEW

Each year, Northern States Power Company, a Minnesota corporation (the Company), files an Annual Report and Petition on Service Quality Performance and Proposed Reliability Measures (Annual Service Quality Report). In the Company's 2018 Annual Service Quality Report, Docket No. E-002/M-19-261, the Minnesota Public Utilities Commission (Commission) raised several concerns related to the staffing levels and reliability performance within the Company's Southeast Work Center. In its January 28, 2020 Order in the above referenced docket, the Commission required the Company to provide a report of various issues related to staffing and reliability in the Southeast Work Center by February 27, 2020. In that report the Company proposed to provide the Commission quarterly updates on the reliability metrics in the Southeast Work Center, up until the Commission meets on the Company's 2019 Annual Service Quality Report, in order to keep the Commission informed on both our efforts and the outcomes of our work on this important issue.

In this second quarterly update, the Company provides a brief update on staffing levels and current-year and historical reliability data, as well as ongoing improvement plans, in an effort to provide the Commission with a better understanding of our reliability performance trends in the Southeast Work Center. There are a variety of factors and system components that can impact reliability, and we will continue to investigate them for specific areas of remediation.

II. STAFFING AT SOUTHEAST WORK CENTER

In our February 27, 2020 filing, we noted that the Company has engaged in an effort to hire additional field and maintenance personnel in the Southeast Work Center and expected five additional employees to be hired by late spring of 2020. Currently, we have 53 line workers in the Southeast region. Due to COVID-19 there have been delays in the hiring process this past quarter. That said, the Company is now moving forward with the process to recruit several line workers and job offers to two linemen candidates. The Southeast region also is on track to hire additional employees throughout the year.

III. RELIABILITY WITHIN THE SOUTHEAST WORK CENTER

A. SAIDI, SAIFI, and CAIDI Metrics Year to Date

The following tables and charts show the 2020 current year and historical reliability performance by individual quarter and year-to-date.

These reliability statistics are calculated using the Annual Rules ordered method of IEEE 1366 Regional Major Event Day (MED), which means it includes outages occurring at all levels (distribution, substation, and transmission), and:

- Includes all outage cause codes.
- Where applicable, includes credit for partial restoration.
- Bases calculations on the number of customers' billing accounts and meters.
- Bases calculations on normalized data.

The System Average Interruption Duration Index (SAIDI) and System Average Interruption Frequency Index (SAIFI) are incremental indices wherein the year-to-date performance is the summation of the month-end values. The Customer Average Interruption Duration Index (CAIDI) is an average performance index where the year-to-date performance can both rise and fall over the course of the year.

The typical trend line of the year-to-date SAIDI and SAIFI performance follows an "S" shape. The outage impacts in the 1st and 4th quarters of the year are fairly minimal and flat, due to light-to-moderate winter weather, whereas the 2nd and 3rd quarters tend to be steeper due to late-Spring through early-Fall weather activity. Since CAIDI is an average and dependent on the base amount of outages being included, the year-to-date trend line can commonly fluctuate up and down during the 1st and 2nd quarters and then increases slightly with elevated summer activity before flattening out in the last quarter.

Table 1 - YTD Monthly SAIDI, SAIFI, CAIDI

MN SOUTHEAST REGION SYSTEM DATA
MN ANNUAL RULES - IEEE 1366 Region Normalized

2020	Cust Ints	Cust Mins	Cust Serv	SAIDI	SAIFI	CAIDI	YTD SAIDI	YTD SAIFI	YTD CAIDI
Jan	3,066	412,479	130,089	3.2	0.02	135	3.2	0.02	135
Feb	1,202	208,970	130,491	1.6	0.01	174	4.8	0.03	146
Mar	6,164	618,512	130,547	4.7	0.05	100	9.5	0.08	119
Apr	7,876	722,308	130,530	5.5	0.06	92	15.0	0.14	107
May	8,663	1,008,607	130,333	7.7	0.07	116	22.8	0.21	110
Jun	14,667	1,602,977	130,429	12.3	0.11	109	35.1	0.32	110
Jul									
Aug									
Sep									
Oct									
Nov									
Dec									
YTD	41,638	4,573,852		35.1	0.32	110			

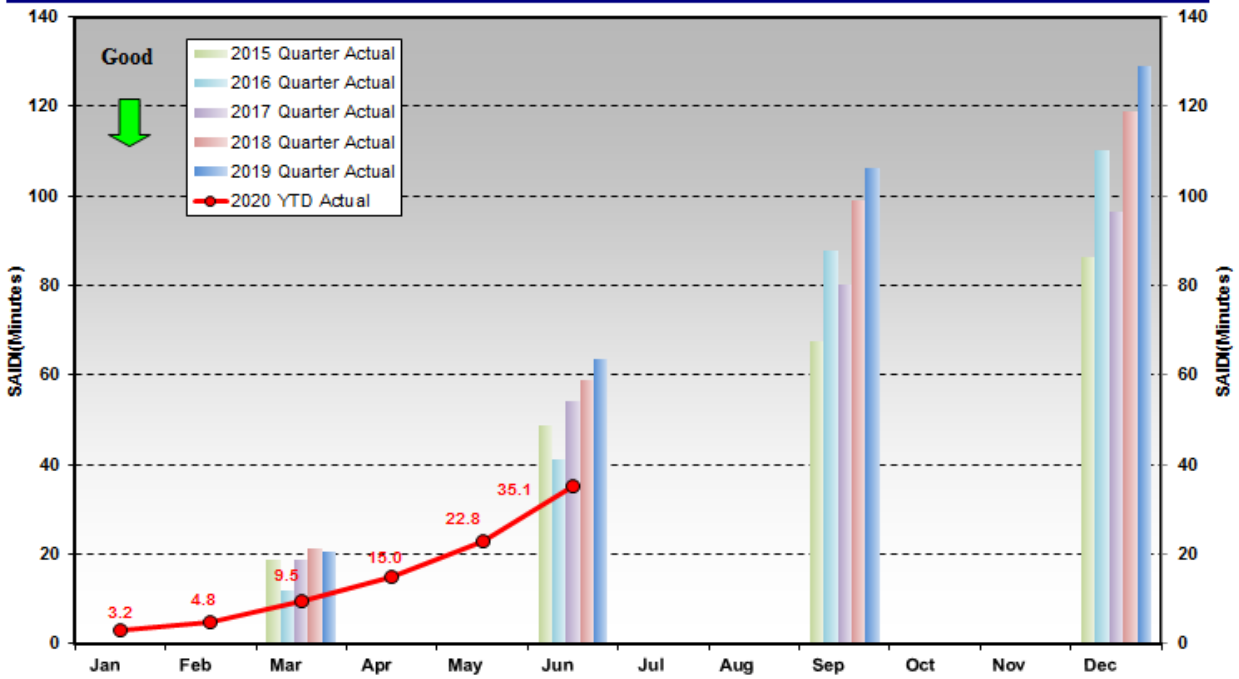
Table 2 – YTD Quarterly SAIDI, SAIFI, CAIDI
 Comparison of MN Southeast Region Historical Performance

Index	YTD 2020	Delta to 2019	Delta to 3 Yr Avg	Delta to 5 Yr Avg	3 Yr Avg (17-19)	5 Yr Avg (15-19)	YTD 2019	YTD 2018	YTD 2017	YTD 2016	YTD 2015
SAIDI 1st Quarter	9.5	-11.0	-10.6	-8.7	20.1	18.2	20.5	21.2	18.6	11.9	18.9
2nd Quarter	35.1	-28.7	-23.9	-18.4	59.0	53.4	63.7	59.0	54.2	41.2	48.9
3rd Quarter					95.1	88.1	106.1	99.0	80.3	87.8	67.5
4th Quarter					114.7	108.2	129.1	118.8	96.3	110.2	86.5
SAIFI 1st Quarter	0.08	-0.10	-0.12	-0.10	0.20	0.18	0.18	0.22	0.21	0.07	0.23
2nd Quarter	0.32	-0.14	-0.15	-0.12	0.47	0.44	0.45	0.50	0.46	0.32	0.46
3rd Quarter					0.73	0.69	0.75	0.77	0.67	0.63	0.61
4th Quarter					0.89	0.86	0.93	0.92	0.84	0.85	0.75
CAIDI 1st Quarter	119	4	18	8	100	111	115	97	89	168	83
2nd Quarter	110	-30	-15	-12	125	122	140	117	117	129	106
3rd Quarter					130	128	141	129	120	140	110
4th Quarter					128	126	139	130	115	130	115

Graph 1



SOUTHEAST WORK CENTER SAIDI - YTD
(Annual Rules Normalized - IEEE 1366 All Levels)

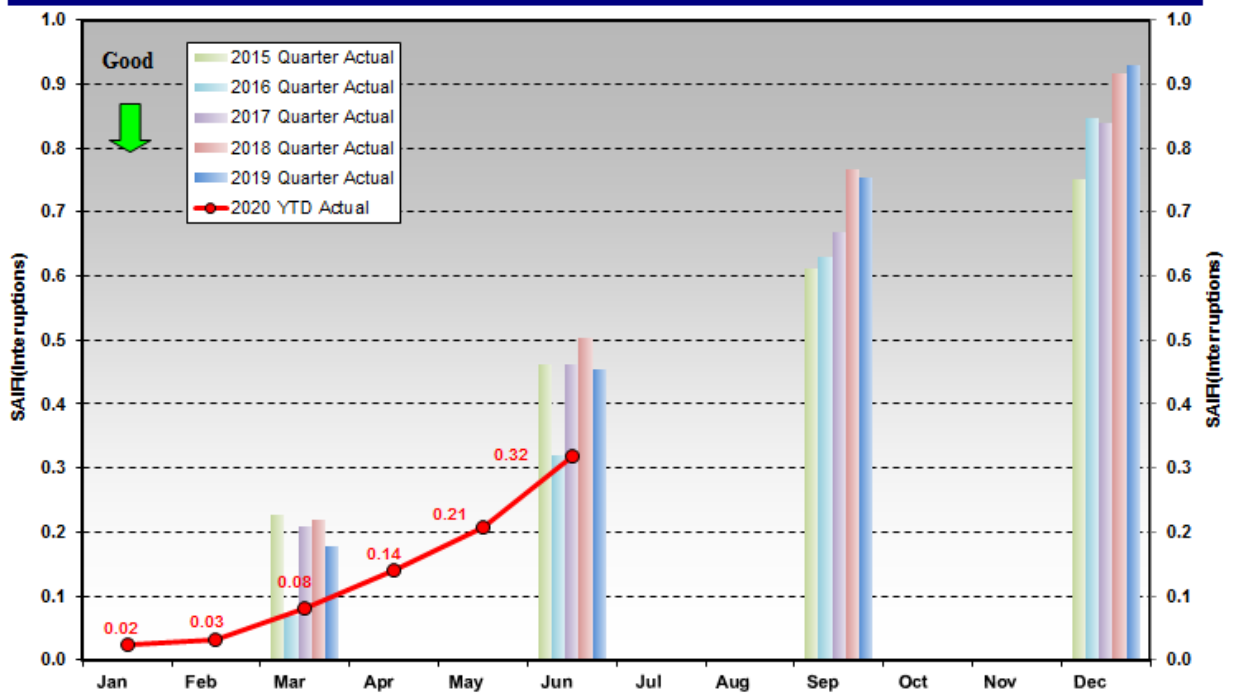


IEEE 1366 Normalized by Region - All Levels, sustained outages only (>5 minutes),

Graph 2



SOUTHEAST WORK CENTER SAIFI - YTD
(Annual Rules Normalized - IEEE 1366 All Levels)

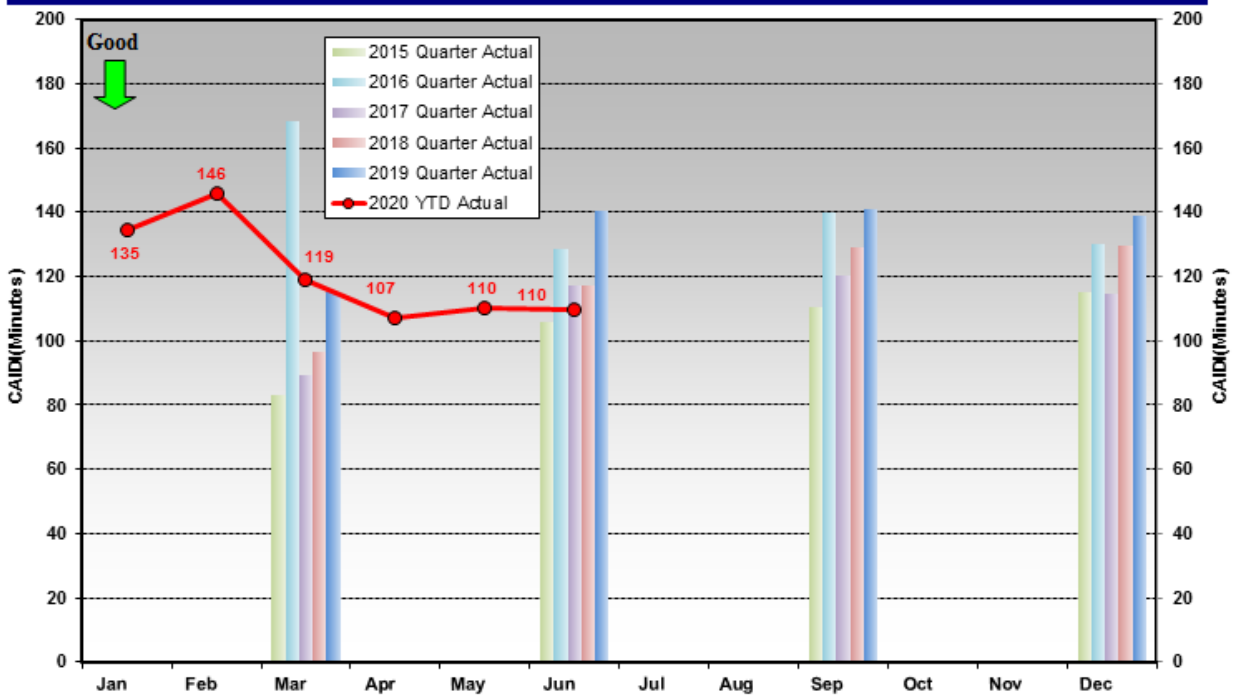


IEEE 1366 Normalized by Region - All Levels, sustained outages only (>5 minutes),

Graph 3



SOUTHEAST WORK CENTER CAIDI - YTD
 (Annual Rules Normalized - IEEE 1366 All Levels)

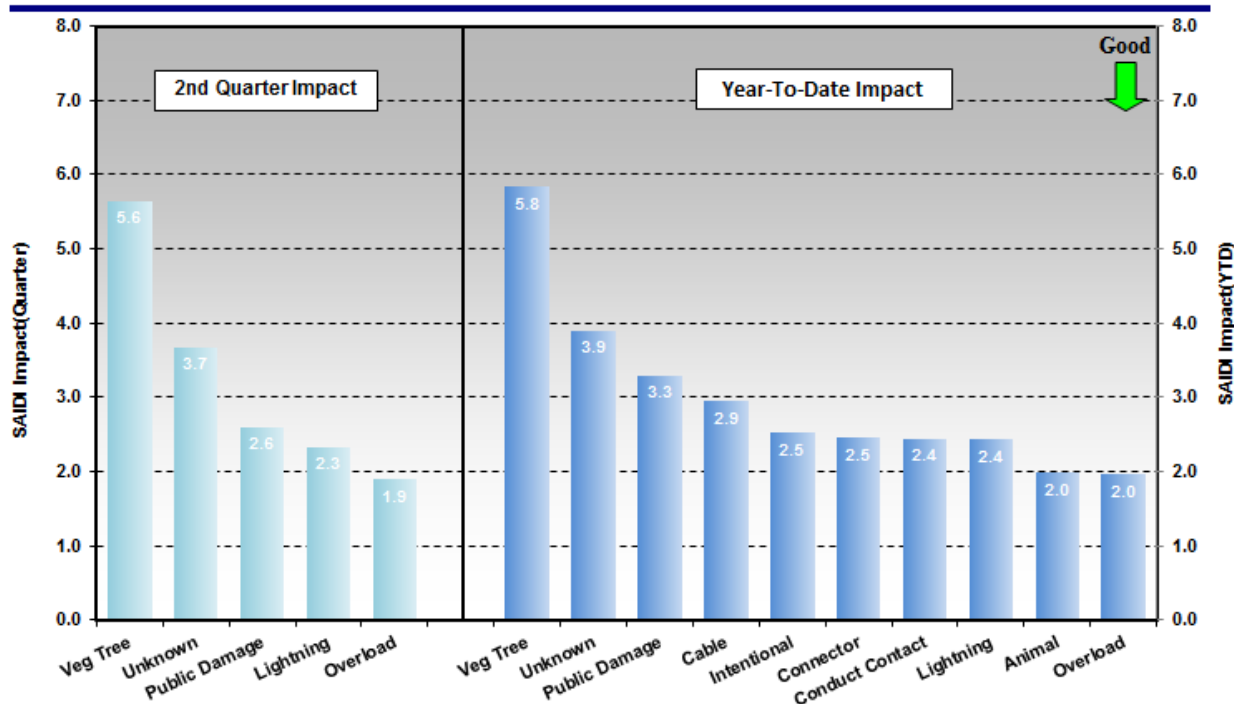


IEEE 1366 Normalized by Region - All Levels, sustained outages only (>5 minutes),

Graph 4



SOUTHEAST WORK CENTER SAIDI - Top Causes
(Annual Rules Normalized - IEEE 1366 All Levels)



IEEE 1366 Normalized by Region - All Levels, sustained outages only (>5 minutes),

B. Major Event Days / Impact Events in the Second Quarter 2020

There were no major event days in the Southeast Work Center during second quarter 2020. The following is a list of some reliability events that occurred in the Southeast Work Center during the second quarter 2020, and the impact they had on SAIDI, SAIFI, and CAIDI.

- Impact Events / Days
 - Transmission Lines
 - 4/3, Transmission line serving the Slayton/Lake Wilson area, Icing
 - This event was the result of icing conditions on the line during a late spring storm. The line faulted and was out of service for 77 minutes.
 - Indices impacts: SAIDI (0.9)/SAIFI (0.01)/CAIDI (77)
 - 5/21, Transmission line serving the La Crescent area, Public line contact

- This event was the result of a barge with a crane contacting a 69kV transmission line. The line faulted and was out of service for 39 minutes.
 - Indices impacts: SAIDI (1.0)/SAIFI (0.03)/CAIDI (39)
- Distribution Lines
 - 4/7, Lightning strike in the Hayfield area
 - This event was the result of a lightning strike on a mainline feeder which resulted in the need to replace a crossarm on a pole. It occurred at 6 a.m. and resulted in a 2 hour duration event.
 - Indices impacts: SAIDI (1.0), SAIFI (0.01), CAIDI (125)
 - 4/10, Public line contact in the Waseca/Medford area
 - This event was the result of a feed truck making contact with an overhead primary line. Some of the customers were able to be switched back in service in a little over an hour. All customers were restored within 3.25 hours.
 - Indices impacts: SAIDI (0.8), SAIFI (0.01), CAIDI (128)
 - 6/1, Overhead equipment overload in the Northfield area
 - This event was in the early evening and was the result of a fuse melting and faulting due to an unknown overload occurrence. Repairs were made and the customers were returned to service in 2.5 hours.
 - Indices impacts: SAIDI (1.4), SAIFI (0.01), CAIDI (261)
 - 6/21, Mainline breaker fault in the Faribault area
 - This event was in the early evening and was the result of the mainline breaker faulting for an unknown reason. Patrol of the mainline did not reveal the cause. Breaker was reclosed and customers were restored in under 2 hours.
 - Indices impacts: SAIDI (1.0), SAIFI (0.01), CAIDI (114)
- Moderate Storm Activity
 - 5/26, Wind/Lightning-related events
 - Rain and windy conditions in early to late evening resulted in several outages caused by tree limbs contacting wires, pole tops breaking, and lightning strikes. The restoration process occurred through the night and resulted in the overall customer average interruption duration being almost 8.5 hours.

- Indices impacts: SAIDI (2.6), SAIFI (0.01), CAIDI (500)

C. Improvement Plan Updates

In our February 27, 2020 filing, we committed to investigate other areas for improvement and that we would provide updates in the quarterly reports as this investigative work progresses.

As one can see from Graph 4 above entitled Southeast Work Center SAIDI – Top Causes, there have been a high number of events due to “conductor contact.” As discussed in the first quarter report, the Pipestone area has had the highest occurrence of galloping in the Southeast Work Center. Long spans can be especially susceptible to this situation. Locations for mitigating galloping are being identified. Plans for work will then be developed with work commencing in late 2020 or 2021.

In our 2018 Annual Service Quality filing and our February 27, 2020 filing, we described the porcelain cutout replacement program. By way of background, a “cutout” is a mounting device for holding a protective fuse which blows when there is a fault on the system. Porcelain cutouts were used for many years. In Minnesota, we have over 100,000 porcelain cutouts and approximately 750 fail each year. In 2011, Xcel Energy migrated away from installing porcelain cutouts and instead started installing polymer cutouts during new construction and replacement work. When porcelain cutouts fail, it can cause or extend the length of an outage. Many porcelain cutouts still exist on the distribution system, and it is difficult to determine cutouts near end of life. In 2019, work began to replace porcelain cutouts with polymer cutouts on three feeders in the Southeast Work Center. The two feeders serving the Mazeppa, Granite Falls, and Clarkfield areas are over 85 percent complete and the feeder serving the Wabasha area is 15 percent complete. Work is still progressing on these three feeders and is expected to be completed by the end of 2020. The porcelain cutout feeder replacement project is expected to continue into 2021 by adding at least one additional feeder for porcelain cutout replacement in the Southeast Work Center. This program appears promising in its ability to reduce and shorten outages, but with the change-out program still in early stages, it is difficult to quantify improvements.

Through our Pole Inspection Program, distribution poles are inspected on a regular cycle to determine if there are any that need to be replaced. As a result of the Pole Inspection Program, there were 450 poles that have been identified for replacement in

the Medford Junction and Dodge Center areas. The replacement of these 450 poles is complete. With the completion of Medford Junction and Dodge Center, pole replacement efforts have moved to the Red Wing and Zumbrota areas. There were 420 poles in the Red Wing area and 150 poles in the Zumbrota area that were identified for replacement in 2020. The replacement of these 570 poles is 60 percent complete.

In addition, sections of underground cable on four separate distribution feeders in the Southeast Work Center have been identified for replacement. At the time of this update, one section of cable has been replaced in the Red Wing area. Construction to replace a section of cable in the Zumbrota area is in progress. Design work is proceeding to replace two additional sections of underground cable in the Red Wing area. Replacement should be complete by the end of 2020.

IV. CONCLUSION

The Company appreciates the opportunity to provide the Commission with this second update regarding improvements in staffing levels and reliability metrics in the Southeast Work Center. We will continue to file quarterly reports until the time the Commission considers our 2019 Annual Service Quality Report.

CERTIFICATE OF SERVICE

I, Paget Pengelly, hereby certify that I have this day served copies of the foregoing document on the attached list of persons.

xx by depositing a true and correct copy thereof, properly enveloped with postage paid in the United States mail at Minneapolis, Minnesota; or

xx by electronic filing.

**MPUC Docket Nos: E002/M-19-261
E002/M-20-406**

Dated this 3rd day of August 2020.

/s/

Paget Pengelly
Regulatory Administrator

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
David	Aafedt	daafedt@winthrop.com	Winthrop & Weinstine, P.A.	Suite 3500, 225 South Sixth Street Minneapolis, MN 554024629	Electronic Service	No	OFF_SL_19-261_M-19-261
Christopher	Anderson	canderson@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	OFF_SL_19-261_M-19-261
Alison C	Archer	aarcher@misoenergy.org	MISO	2985 Ames Crossing Rd Eagan, MN 55121	Electronic Service	No	OFF_SL_19-261_M-19-261
Gail	Baranko	gail.baranko@xcelenergy.com	Xcel Energy	414 Nicollet Mall7th Floor Minneapolis, MN 55401	Electronic Service	No	OFF_SL_19-261_M-19-261
James J.	Bertrand	james.bertrand@stinson.com	STINSON LLP	50 S 6th St Ste 2600 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-261_M-19-261
James	Canaday	james.canaday@ag.state.mn.us	Office of the Attorney General-RUD	Suite 1400 445 Minnesota St. St. Paul, MN 55101	Electronic Service	No	OFF_SL_19-261_M-19-261
John	Coffman	john@johncoffman.net	AARP	871 Tuxedo Blvd. St. Louis, MO 63119-2044	Electronic Service	No	OFF_SL_19-261_M-19-261
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_19-261_M-19-261
Riley	Conlin	riley.conlin@stoel.com	Stoel Rives LLP	33 S. 6th Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-261_M-19-261
George	Crocker	gwillc@nawo.org	North American Water Office	PO Box 174 Lake Elmo, MN 55042	Electronic Service	No	OFF_SL_19-261_M-19-261

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Ron	Elwood	relwood@mnsap.org	Mid-Minnesota Legal Aid	2324 University Ave Ste 101 Saint Paul, MN 55114	Electronic Service	No	OFF_SL_19-261_M-19-261
John	Farrell	jfarrell@ilsr.org	Institute for Local Self-Reliance	2720 E. 22nd St Institute for Local Self-Reliance Minneapolis, MN 55406	Electronic Service	No	OFF_SL_19-261_M-19-261
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_19-261_M-19-261
Edward	Garvey	edward.garvey@AESLconsulting.com	AESL Consulting	32 Lawton St Saint Paul, MN 55102-2617	Electronic Service	No	OFF_SL_19-261_M-19-261
Janet	Gonzalez	Janet.gonzalez@state.mn.us	Public Utilities Commission	Suite 350 121 7th Place East St. Paul, MN 55101	Electronic Service	No	OFF_SL_19-261_M-19-261
Michael	Hoppe	il23@mtn.org	Local Union 23, I.B.E.W.	932 Payne Avenue St. Paul, MN 55130	Electronic Service	No	OFF_SL_19-261_M-19-261
Alexander	Jackson	ajackson@DuluthMN.gov	Minnesota Power	30 W Superior St Duluth, MN 55802	Electronic Service	No	OFF_SL_19-261_M-19-261
Alan	Jenkins	aj@jenkinsatlaw.com	Jenkins at Law	2950 Yellowtail Ave. Marathon, FL 33050	Electronic Service	No	OFF_SL_19-261_M-19-261
Richard	Johnson	Rick.Johnson@lawmoss.com	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-261_M-19-261

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Sarah	Johnson Phillips	sarah.phillips@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-261_M-19-261
Mark J.	Kaufman	mkaufman@ibewlocal949.org	IBEW Local Union 949	12908 Nicollet Avenue South Burnsville, MN 55337	Electronic Service	No	OFF_SL_19-261_M-19-261
Thomas	Koehler	TGK@IBEW160.org	Local Union #160, IBEW	2909 Anthony Ln St Anthony Village, MN 55418-3238	Electronic Service	No	OFF_SL_19-261_M-19-261
Michael	Krikava	mkrikava@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-261_M-19-261
Peder	Larson	plarson@larkinhoffman.com	Larkin Hoffman Daly & Lindgren, Ltd.	8300 Norman Center Drive Suite 1000 Bloomington, MN 55437	Electronic Service	No	OFF_SL_19-261_M-19-261
Douglas	Larson	dlarson@dakotaelectric.com	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_19-261_M-19-261
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_19-261_M-19-261
Kavita	Maini	kmaini@wi.rr.com	KM Energy Consulting, LLC	961 N Lost Woods Rd Oconomowoc, WI 53066	Electronic Service	No	OFF_SL_19-261_M-19-261
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 7th St E St. Paul, MN 55106	Electronic Service	No	OFF_SL_19-261_M-19-261

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Joseph	Meyer	joseph.meyer@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_19-261_M-19-261
Stacy	Miller	stacy.miller@minneapolismn.gov	City of Minneapolis	350 S. 5th Street Room M 301 Minneapolis, MN 55415	Electronic Service	No	OFF_SL_19-261_M-19-261
David	Moeller	dmoeller@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022093	Electronic Service	No	OFF_SL_19-261_M-19-261
Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-261_M-19-261
David	Niles	david.niles@avantenergy.com	Minnesota Municipal Power Agency	220 South Sixth Street Suite 1300 Minneapolis, Minnesota 55402	Electronic Service	No	OFF_SL_19-261_M-19-261
Carol A.	Overland	overland@legalelectric.org	Legalelectric - Overland Law Office	1110 West Avenue Red Wing, MN 55066	Electronic Service	No	OFF_SL_19-261_M-19-261
Generic Notice	Residential Utilities Division	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_19-261_M-19-261
Kevin	Reuther	kreuther@mncenter.org	MN Center for Environmental Advocacy	26 E Exchange St, Ste 206 St. Paul, MN 551011667	Electronic Service	No	OFF_SL_19-261_M-19-261
Richard	Savelkoul	rsavelkoul@martinsquires.com	Martin & Squires, P.A.	332 Minnesota Street Ste W2750 St. Paul, MN 55101	Electronic Service	No	OFF_SL_19-261_M-19-261
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th Pl E Ste 350 Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_19-261_M-19-261

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Ken	Smith	ken.smith@districtenergy.com	District Energy St. Paul Inc.	76 W Kellogg Blvd St. Paul, MN 55102	Electronic Service	No	OFF_SL_19-261_M-19-261
Russ	Stark	Russ.Stark@ci.stpaul.mn.us	City of St. Paul	390 City Hall 15 West Kellogg Boulevard Saint Paul, MN 55102	Electronic Service	No	OFF_SL_19-261_M-19-261
Byron E.	Starns	byron.starns@stinson.com	STINSON LLP	50 S 6th St Ste 2600 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-261_M-19-261
James M	Strommen	jstrommen@kennedy-graven.com	Kennedy & Graven, Chartered	200 S 6th St Ste 470 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-261_M-19-261
Eric	Swanson	eswanson@winthrop.com	Winthrop & Weinstine	225 S 6th St Ste 3500 Capella Tower Minneapolis, MN 554024629	Electronic Service	No	OFF_SL_19-261_M-19-261
Lynnette	Sweet	Regulatory.records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7 Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_19-261_M-19-261
Stuart	Tommerdahl	stommerdahl@otpc.com	Otter Tail Power Company	215 S Cascade St PO Box 496 Fergus Falls, MN 56537	Electronic Service	No	OFF_SL_19-261_M-19-261
Thomas	Tynes	jjazynka@energyfreedomcoalition.com	Energy Freedom Coalition of America	101 Constitution Ave NW Ste 525 East Washington, DC 20001	Electronic Service	No	OFF_SL_19-261_M-19-261
Lisa	Veith	lisa.veith@ci.stpaul.mn.us	City of St. Paul	400 City Hall and Courthouse 15 West Kellogg Blvd. St. Paul, MN 55102	Electronic Service	No	OFF_SL_19-261_M-19-261

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Joseph	Windler	jwindler@winthrop.com	Winthrop & Weinstine	225 South Sixth Street, Suite 3500 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-261_M-19-261
Patrick	Zomer	Patrick.Zomer@lawmoss.com	Moss & Barnett a Professional Association	150 S. 5th Street, #1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_19-261_M-19-261

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
David	Aafedt	daafedt@winthrop.com	Winthrop & Weinstine, P.A.	Suite 3500, 225 South Sixth Street Minneapolis, MN 554024629	Electronic Service	No	OFF_SL_20-406_M-20-406
Christopher	Anderson	canderson@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	OFF_SL_20-406_M-20-406
Alison C	Archer	aarcher@misoenergy.org	MISO	2985 Ames Crossing Rd Eagan, MN 55121	Electronic Service	No	OFF_SL_20-406_M-20-406
James J.	Bertrand	james.bertrand@stinson.com	STINSON LLP	50 S 6th St Ste 2600 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-406_M-20-406
James	Canaday	james.canaday@ag.state.mn.us	Office of the Attorney General-RUD	Suite 1400 445 Minnesota St. St. Paul, MN 55101	Electronic Service	No	OFF_SL_20-406_M-20-406
John	Coffman	john@johncoffman.net	AARP	871 Tuxedo Blvd. St. Louis, MO 63119-2044	Electronic Service	No	OFF_SL_20-406_M-20-406
Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1400 St. Paul, MN 55101	Electronic Service	Yes	OFF_SL_20-406_M-20-406
Riley	Conlin	riley.conlin@stoel.com	Stoel Rives LLP	33 S. 6th Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-406_M-20-406
George	Crocker	gwillc@nawo.org	North American Water Office	PO Box 174 Lake Elmo, MN 55042	Electronic Service	No	OFF_SL_20-406_M-20-406
John	Farrell	jfarrell@ilsr.org	Institute for Local Self-Reliance	2720 E. 22nd St Institute for Local Self-Reliance Minneapolis, MN 55406	Electronic Service	No	OFF_SL_20-406_M-20-406

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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_20-406_M-20-406
Edward	Garvey	edward.garvey@AESLconsulting.com	AESL Consulting	32 Lawton St Saint Paul, MN 55102-2617	Electronic Service	No	OFF_SL_20-406_M-20-406
Janet	Gonzalez	Janet.gonzalez@state.mn.us	Public Utilities Commission	Suite 350 121 7th Place East St. Paul, MN 55101	Electronic Service	No	OFF_SL_20-406_M-20-406
Michael	Hoppe	il23@mtn.org	Local Union 23, I.B.E.W.	932 Payne Avenue St. Paul, MN 55130	Electronic Service	No	OFF_SL_20-406_M-20-406
Alan	Jenkins	aj@jenkinsatlaw.com	Jenkins at Law	2950 Yellowtail Ave. Marathon, FL 33050	Electronic Service	No	OFF_SL_20-406_M-20-406
Richard	Johnson	Rick.Johnson@lawmoss.com	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-406_M-20-406
Sarah	Johnson Phillips	sarah.phillips@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-406_M-20-406
Mark J.	Kaufman	mkaufman@ibewlocal949.org	IBEW Local Union 949	12908 Nicollet Avenue South Burnsville, MN 55337	Electronic Service	No	OFF_SL_20-406_M-20-406
Thomas	Koehler	TGK@IBEW160.org	Local Union #160, IBEW	2909 Anthony Ln St Anthony Village, MN 55418-3238	Electronic Service	No	OFF_SL_20-406_M-20-406
Michael	Krikava	mkrikava@taftlaw.com	Taft Stettinius & Hollister LLP	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-406_M-20-406

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Douglas	Larson	dlarson@dakotaelectric.com	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	OFF_SL_20-406_M-20-406
Peder	Larson	plarson@larkinhoffman.com	Larkin Hoffman Daly & Lindgren, Ltd.	8300 Norman Center Drive Suite 1000 Bloomington, MN 55437	Electronic Service	No	OFF_SL_20-406_M-20-406
Kavita	Maini	kmairi@wi.rr.com	KM Energy Consulting, LLC	961 N Lost Woods Rd Oconomowoc, WI 53066	Electronic Service	No	OFF_SL_20-406_M-20-406
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 7th St E St. Paul, MN 55106	Electronic Service	No	OFF_SL_20-406_M-20-406
Joseph	Meyer	joseph.meyer@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_20-406_M-20-406
Stacy	Miller	stacy.miller@minneapolismn.gov	City of Minneapolis	350 S. 5th Street Room M 301 Minneapolis, MN 55415	Electronic Service	No	OFF_SL_20-406_M-20-406
David	Moeller	dmoeller@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022093	Electronic Service	No	OFF_SL_20-406_M-20-406
Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-406_M-20-406
David	Niles	david.niles@avantenergy.com	Minnesota Municipal Power Agency	220 South Sixth Street Suite 1300 Minneapolis, Minnesota 55402	Electronic Service	No	OFF_SL_20-406_M-20-406
Carol A.	Overland	overland@legalelectric.org	Legalelectric - Overland Law Office	1110 West Avenue Red Wing, MN 55066	Electronic Service	No	OFF_SL_20-406_M-20-406

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Generic Notice	Residential Utilities Division	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_20-406_M-20-406
Kevin	Reuther	kreuther@mncenter.org	MN Center for Environmental Advocacy	26 E Exchange St, Ste 206 St. Paul, MN 551011667	Electronic Service	No	OFF_SL_20-406_M-20-406
Richard	Savelkoul	rsavelkoul@martinsquires.com	Martin & Squires, P.A.	332 Minnesota Street Ste W2750 St. Paul, MN 55101	Electronic Service	No	OFF_SL_20-406_M-20-406
Will	Seuffert	Will.Seuffert@state.mn.us	Public Utilities Commission	121 7th PI E Ste 350 Saint Paul, MN 55101	Electronic Service	Yes	OFF_SL_20-406_M-20-406
Ken	Smith	ken.smith@districtenergy.com	District Energy St. Paul Inc.	76 W Kellogg Blvd St. Paul, MN 55102	Electronic Service	No	OFF_SL_20-406_M-20-406
Byron E.	Starns	byron.starns@stinson.com	STINSON LLP	50 S 6th St Ste 2600 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-406_M-20-406
James M	Strommen	jstrommen@kennedy-graven.com	Kennedy & Graven, Chartered	200 S 6th St Ste 470 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-406_M-20-406
Eric	Swanson	eswanson@winthrop.com	Winthrop & Weinstine	225 S 6th St Ste 3500 Capella Tower Minneapolis, MN 554024629	Electronic Service	No	OFF_SL_20-406_M-20-406
Lynnette	Sweet	Regulatory.records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7 Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_20-406_M-20-406

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Thomas	Tynes	jjazynka@energyfreedomcoalition.com	Energy Freedom Coalition of America	101 Constitution Ave NW Ste 525 East Washington, DC 20001	Electronic Service	No	OFF_SL_20-406_M-20-406
Lisa	Veith	lisa.veith@ci.stpaul.mn.us	City of St. Paul	400 City Hall and Courthouse 15 West Kellogg Blvd. St. Paul, MN 55102	Electronic Service	No	OFF_SL_20-406_M-20-406
Joseph	Windler	jwindler@winthrop.com	Winthrop & Weinstine	225 South Sixth Street, Suite 3500 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-406_M-20-406
Patrick	Zomer	Patrick.Zomer@lawmoss.com	Moss & Barnett a Professional Association	150 S. 5th Street, #1200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_20-406_M-20-406