



AN ALLETE COMPANY

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November 21, 2025

**VIA E-FILING**

Sasha Bergman  
Executive Secretary  
Minnesota Public Utilities Commission  
121 7th Place East, Suite 350  
St. Paul, MN 55101-2147

**Re: In the Matter of Minnesota Power's 2024 Safety, Reliability and Service  
Quality Standards Report Docket No. E015/M-25-29  
COMPLIANCE FILING**

Dear Ms. Bergman:

Minnesota Power (or the "Company") submits its Compliance Filing pursuant to Order Point 2 of the Minnesota Public Utilities Commission's ("Commission") January 13, 2025 Order in the Company's 2023 Safety, Reliability and Service Quality Standards Report Docket.<sup>1</sup> Order Point 2 set the Company's 2024 Minnesota service territory-wide Reliability Standard at the Institute of Electrical and Electronics Engineers ("IEEE") benchmarking second quartile for medium utilities and work center reliability standards are set at the second quartile for small utilities.

IEEE published the 2025 benchmarking (for 2024 data), second quartile for medium and small utilities results on November 11th, 2025. The results for the System Average Interruption Duration Index ("SAIDI"), the System Average Interruption Frequency Index ("SAIFI"), and Customer Average Interruption Duration Index ("CAIDI") are below. The Company notes that the significance of this year's results is limited by the small sample size for the small utility category (4), which represents a reduction from previous years.

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<sup>1</sup> In the Matter of Minnesota Power's 2023 Annual Safety, Reliability, and Service Quality Report, Docket No. E-015/M-24-29.

I AM  
**ZERO INJURY.**

*Together we choose to work safely for our families, each other, and the public.  
We commit to be injury-free through continuous learning and improvement.*

### IEEE Benchmark Year 2025 – Results for 2024 Data

	29	SAIDI ALL	SAIDI IEEE	SAIDI WOF	SAIDI WOP	SAIFI ALL	SAIFI IEEE	SAIFI WOF	SAIFI WOP	CAIDI ALL	CAIDI IEEE	CAIDI WOF	CAIDI WOP
LARGE	MIN	58	36	36	27	0.66	0.49	0.49	0.40	61	59	60	57
	Q1	207	90	87	78	1.04	0.83	0.76	0.65	178	101	105	104
	MEDIAN	306	120	120	101	1.38	1.01	0.90	0.84	202	118	119	119
	Q3	535	175	161	139	1.82	1.25	1.14	1.07	370	140	146	146
	MAX	3063	474	452	424	4.11	3.30	2.72	2.47	1388	232	240	247
	MEDIUM	MIN	60	30	30	29	0.59	0.33	0.33	0.31	61	47	50
Q1		205	101	95	88	1.18	0.87	0.77	0.72	163	110	113	115
MEDIAN		305	150	137	135	1.44	1.15	1.04	0.97	205	128	133	132
Q3		618	230	224	203	2.21	1.75	1.52	1.47	290	151	160	160
MAX		1918	462	382	352	3.35	2.79	2.75	2.19	1076	198	193	197
SMALL		MIN	75	66	51	36	0.70	0.65	0.47	0.36	108	102	108
	Q1	297	82	78	74	1.36	0.75	0.71	0.68	203	108	110	108
	MEDIAN	726	112	112	99	1.63	0.91	0.85	0.82	308	113	113	112
	Q3	1144	157	157	134	2.16	1.07	0.99	0.88	444	139	145	145
	MAX	1331	218	216	205	3.49	1.19	1.19	0.98	632	213	236	242

### Overall & Work Center Reliability Results Compared to 2025 IEEE Benchmark Results- 2024 data

2024	SAIDI	SAIFI	CAIDI
<b>IEEE 2025 Medium Utilities (2024 data) 2<sup>nd</sup> Quartile</b>	<b>150</b>	<b>1.15</b>	<b>128</b>
<b>Results- Overall</b>	119.90	1.30	92.41
<b>IEEE 2025 Small Utilities (2024 data) 2<sup>nd</sup> Quartile</b>	<b>112</b>	<b>0.91</b>	<b>113</b>
<b>Results- Central</b>	68.46	0.93	73.92
<b>Results- Northern</b>	179.99	1.82	99.03
<b>Results- Western</b>	183.72	1.71	107.27

\*Red values exceed goals

Based on the IEEE second quartile standards for medium utilities, Minnesota Power - Overall Results met these major event-excluded target goals for SAIDI by 30.1 minutes and CAIDI by 35.59 minutes but failed to meet its goals for SAIFI by 0.15.

Based on the IEEE second quartile standards for small utilities, Minnesota Power - Work Centers met the major event-excluded target goals for Central SAIDI and all Work Centers for CAIDI but failed to meet its goals for SAIFI in all work centers and missed the SAIDI work center goal in the Northern and Western areas.

Large non-excluded weather events, equipment failure, vegetation and wildlife were the largest contributor to outage causes in 2024. Minnesota Power is in its sixth year of strategically undergrounding overhead lines and will continue to invest in this initiative. Automation equipment such as IntelliRupters, TripSavers, motor-operated switches and reclosers are being installed on Minnesota Power’s systems and increased investments are planned for future projects to improve automated outage restoration for customers

which will lead to improved reliability affecting less customer and resulting in shorter outage durations. The Company's Asset Management Department continues to prioritize preventative maintenance activities on aging switches and reclosers as well as responding to employee-identified maintenance items through the geospatial reporting tool.

Minnesota Power continually strives to meet customer needs while also maintaining the core tenets of a reliable, safe, and affordable grid. The Company appreciates the Commission's continued interest in this matter. Please contact me at (218) 591-4870 or [avang@mnpower.com](mailto:avang@mnpower.com) if you have any questions regarding this filing.

Sincerely,

A handwritten signature in black ink, appearing to read 'A. Vang', with a long, sweeping horizontal stroke extending to the right.

Analeisha Vang  
*Regulatory Compliance Specialist,  
Senior*

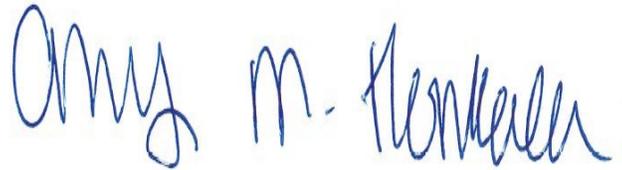
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STATE OF MINNESOTA    )  
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COUNTY OF ST. LOUIS    )

AFFIDAVIT OF SERVICE VIA  
ELECTRONIC FILING

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I, Amy M. Honkala of the City of Duluth, County of St. Louis, State of Minnesota, hereby certify that on the 21st day of November, 2025, I electronically filed a true and correct copy of Minnesota Power’s **Compliance Filing in Docket No. E015/M-25-29** on the Minnesota Public Utilities Commission and the Energy Resources Division of the Minnesota Department of Commerce via electronic filing. The persons on eDocket’s Official Service List for this Docket were served as requested.



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Amy M. Honkala