



414 Nicollet Mall
Minneapolis, MN 55401

September 1, 2023

—Via U.S. Mail and Electronic Filing—

Steve Kahl, Executive Secretary
North Dakota Public Service Commission
600 East Boulevard, Dept. 408
Bismarck, ND 58505-0408

**RE: 2023 ANNUAL COST OF GAS ADJUSTMENT (COG) TRUE-UP FILING
CASE NO. PU-23-8**

Dear Mr. Kahl:

Enclosed are the original and three copies of the Annual COG True-Up filing for Northern States Power Company, doing business as Xcel Energy.

On June 29, 2021, in Case No. PU-21-102 (the February 2021 Extreme Cold Weather Event Investigation – Natural Gas) the North Dakota Public Service Commission authorized the recovery of approximately \$32.5 million in costs from the February 2021 cold weather event, with an offset of approximately \$551,000 for the Northern Natural Gas Pipeline Refund. The net costs of approximately \$31.9 million was to be collected in the monthly Cost of Gas rates over a period of 15 months beginning July 1, 2021. On October 21, 2021, the Commission's June 29, 2021, Order in this proceeding was amended to allow for a 24-month amortization, from July 1, 2021, through June 30, 2023. The February Event expenses were fully recovered by the end of April 2023 and therefore we set these rates to zero effective May 1, 2023. The over-recovered balance is included with this COG true-up filing and will be refunded to ND retail customers through the 2023-2024 cost of gas true-up factors. We report the expenses and the proposed true-up factors in Schedule A, page 1 of 3. More calculation details are shown on Schedule A, page 2 of 3.

Pursuant to Commission's Order (Case No. PU-21-381), new base rates (monthly basic service charge and distribution charge per therm) and the recovery factor for the manufactured gas plant remediation went into effect November 1, 2022. The MGP calculations are displayed on Schedule A, page 3 of 3.

Please contact Hui Chen at (612) 330-6749 or hui.chen@xcelenergy.com or me at

(612) 330-7681 or lisa.r.peterson@xcelenergy.com if you have any questions regarding this filing.

Sincerely,

/s/

LISA PETERSON
DIRECTOR, REGULATORY PRICING AND ANALYSIS

Enclosures

	<u>Residential</u>	<u>C&I</u>	<u>Interruptible</u>	<u>Total</u>	<u>Ref.</u>
<u>Cost of Gas Recovery Period: July 2022 - June 2023</u>					
1 COG Expenses	\$29,574,532	\$46,819,703	\$11,586,501	\$87,980,736	Sch D2
2 COG Revenue	<u>\$30,576,122</u>	<u>\$47,847,681</u>	<u>\$11,359,588</u>	<u>\$89,783,392</u>	Sch E1
3 Subtotal: Excess(Deficient) COG Recovery	<u>\$1,001,591</u>	<u>\$1,027,979</u>	<u>(\$226,913)</u>	<u>\$1,802,656</u>	Line 1 + Line 2
4 Excess(Deficient) COG Recovery in Prior Period (Jul-2021 - Jun-2022)	\$1,176,412	\$1,786,389	(\$584,464)	\$2,378,336	True-Up*
5 Net True-up Charges/Credits Related to Prior Period	<u>(\$1,209,152)</u>	<u>(\$1,815,194)</u>	<u>\$597,665</u>	<u>(\$2,426,681)</u>	Sch C
6 Subtotal: Excess (Deficient) True-Up of Prior Period	<u>(\$32,740)</u>	<u>(\$28,805)</u>	<u>\$13,201</u>	<u>(\$48,345)</u>	Line 4 + Line 5
7 Net Excess (Deficient) COG Recovery (Jul-2022 - Jun-2023)	\$968,850	\$999,174	(\$213,713)	\$1,754,311	Line 3 + Line 6
8 Carrying Charges	<u>\$19,404</u>	<u>\$19,915</u>	<u>(\$4,396)</u>	<u>\$34,924</u>	Sch G
9 Total Excess (Deficient) COG Recovery (Jul-2022 - Jun-2023)	<u>\$988,255</u>	<u>\$1,019,089</u>	<u>(\$218,109)</u>	<u>\$1,789,235</u>	Line 7 + Line 8
10 Forecasted Therms for Next True-Up Period (Sept-2023 - Aug-2024)	44,856,737	67,383,948	20,100,650	132,341,335	Sch B
11 True-Up Factor (\$/therm)	<u>(\$0.02203)</u>	<u>(\$0.01512)</u>	<u>\$0.01085</u>		Line 9 / Line 10
12 Weather Event Recovery Refund Factor (see Sch A page 2)	<u>\$0.00223</u>	<u>(\$0.03274)</u>	<u>\$0.02856</u>		Sch A page 2
13 Total True-Up Factor (\$/therm) effective 9/1/2023 - 8/31/2024	<u>(\$0.01980)</u>	<u>(\$0.04786)</u>	<u>\$0.03941</u>		Line 11 + Line 12

* Previous True-Up filing submitted 9/1/22

	<u>Residential</u>	<u>C&I</u>	<u>Interruptible</u>	<u>Total</u>	<u>Ref.</u>
2021 Feb 13-17 Extraordinary Expenses	\$12,389,170	\$17,222,043	\$2,889,618	\$32,500,831	True-up filing
Pipeline Refund	(\$230,618)	(\$320,580)		(\$551,198)	9/1/2021
Net Extraordinary Expenses	\$12,158,552	\$16,901,464	\$2,889,618	\$31,949,633	
July 2021 through June 2022 Total Recovery to 6/30/2022	\$6,978,366	\$10,266,036	\$1,309,238	\$18,553,640	True-up filing 9/1/2022
July 2022 through April 2023 Total Recovery to 6/30/2023	\$5,080,208	\$8,841,539	\$1,006,314	\$14,928,061	Sch C-ND
July 2021 Through April 2023 Total Recovery	\$12,058,574	\$19,107,575	\$2,315,552	\$33,481,701	
Over/(Under) Recovery	(\$99,978)	\$2,206,111	(\$574,066)	\$1,532,068	
Forecasted Therms for Next True-Up Period (Sept-2023 - Aug-2024)	44,856,737	67,383,948	20,100,650	132,341,335	Sch B
Weather Event Recovery Refund Factor (included in true-up factor on Schedule A page 1)	\$0.00223	(\$0.03274)	\$0.02856		Line 9 / Line 10

MGP Recovery Factor Calculation

	<u>Residential</u>	<u>Commercial/ Industrial</u>	<u>Small and Large Interruptible</u>	<u>Total</u>	
Annual MGP Amortization - 2022-2023				\$1,250,000	
Annual Forecasted Sales (Therms)				124,098,142	
MGP Factor				<u>\$0.01007</u>	
MGP deferred Cost Obligation (November 2022 - June 2023)	\$378,414	\$551,407	\$139,313	\$1,069,135	
Actual MGP Factor Recovery (November 2022 - June 2023)	\$404,383	\$610,182	\$144,780	\$1,159,345	Sch C-ND
<u>Over/(Under) Recovery</u>				<u>\$90,210</u>	
Annual MGP Amortization - 2023-2024				\$1,250,000	
Prior Year Over/(Under) Recovery				\$90,210	
Net Annual MGP Amortization - 2023-2024				\$1,159,790	
Annual Forecasted Sales (Therms)				132,341,335	
MGP Factor - 2023 -2024				\$0.00876	

Firm Sales	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Total
Residential	444,493	468,571	479,735	1,176,402	2,721,513	6,128,646	9,025,495	7,647,982	7,589,646	5,224,401	2,670,013	652,096	44,228,993
Commercial/Industrial	1,407,075	1,418,582	1,487,462	2,454,424	4,798,219	9,378,644	12,489,831	10,692,630	11,291,725	7,931,410	4,922,674	1,738,094	70,010,770
Interdepartmental	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Firm	1,407,075	1,418,582	1,487,462	2,454,424	4,798,219	9,378,644	12,489,831	10,692,630	11,291,725	7,931,410	4,922,674	1,738,094	70,010,770
Total Firm Sales (therms)	1,851,568	1,887,153	1,967,197	3,630,826	7,519,732	15,507,290	21,515,326	18,340,612	18,881,371	13,155,811	7,592,687	2,390,190	114,239,762

Interruptible Sales	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Total
Small Interruptible	229,093	221,723	238,118	283,143	415,311	570,575	652,389	347,601	773,049	574,958	360,669	274,027	4,940,656
Large Interruptible	718,159	858,355	1,091,772	813,106	1,297,741	1,468,010	1,706,445	1,180,492	1,938,933	1,356,260	1,157,421	1,249,167	14,835,861
Total Interruptible Sales (therms)	947,252	1,080,078	1,329,890	1,096,249	1,713,052	2,038,585	2,358,834	1,528,093	2,711,982	1,931,218	1,518,090	1,523,194	19,776,517

Total North Dakota Sales (therms)	2,798,820	2,967,231	3,297,087	4,727,075	9,232,784	17,545,875	23,874,160	19,868,705	21,593,353	15,087,029	9,110,777	3,913,384	134,016,279
ND Transportation	1,115,381	1,036,330	908,583	979,352	1,307,777	1,535,910	1,627,980	1,767,218	1,569,288	1,858,484	1,458,122	1,049,652	16,214,077

State of MN	Total Dekatherms
Residential	39,576,140
Commercial/Industrial	23,829,251
Demand Billed	<u>2,954,932</u>
Total Firm	66,360,322
Small Interruptible	1,295,777
Medium and Large Interruptible	<u>6,795,150</u>
Total Interruptible	8,090,927
Total MN Sales (Dekatherms)	74,451,250
Demand Billed Demand	372,727

State of ND	Total Dekatherms
Residential	4,485,674
Commercial & Industrial	<u>6,738,395</u>
Total Firm	11,224,069
Small Interruptible	516,259
Medium and Large Interruptible	<u>1,493,806</u>
Total Interruptible	2,010,065
Total ND Sales (Dekatherms)	13,234,134

Class	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Total
Residential	444,493	468,571	479,735	1,176,402	2,721,513	6,128,646	9,025,495	7,647,982	7,589,646	5,224,401	2,670,013	652,096	44,228,993
	\$0.00798	\$0.00798	(\$0.01049)	(\$0.02828)	(\$0.02828)	(\$0.02828)	(\$0.02828)	(\$0.02828)	(\$0.02828)	(\$0.02828)	(\$0.02828)	(\$0.02828)	
	\$3,547	\$3,739	(\$5,031)	(\$33,269)	(\$76,964)	(\$173,318)	(\$255,241)	(\$216,285)	(\$214,635)	(\$147,746)	(\$75,508)	(\$18,441)	(\$1,209,152)
Commercial\Industrial	1,407,075	1,418,582	1,487,462	2,454,424	4,798,219	9,378,644	12,489,831	10,692,630	11,291,725	7,931,410	4,922,674	1,738,094	70,010,770
	\$0.01711	\$0.01711	(\$0.00598)	(\$0.02823)	(\$0.02823)	(\$0.02823)	(\$0.02823)	(\$0.02823)	(\$0.02823)	(\$0.02823)	(\$0.02823)	(\$0.02823)	
	\$24,075	\$24,272	(\$8,897)	(\$69,288)	(\$135,454)	(\$264,759)	(\$352,588)	(\$301,853)	(\$318,765)	(\$223,904)	(\$138,967)	(\$49,066)	(\$1,815,194)
Small Interruptible	229,093	221,723	238,118	283,143	415,311	570,575	652,389	347,601	773,049	574,958	360,669	274,027	4,940,656
	\$0.02895	\$0.02895	\$0.02970	\$0.03042	\$0.03042	\$0.03042	\$0.03042	\$0.03042	\$0.03042	\$0.03042	\$0.03042	\$0.03042	
	\$6,632	\$6,419	\$7,072	\$8,613	\$12,634	\$17,357	\$19,846	\$10,574	\$23,516	\$17,490	\$10,972	\$8,336	\$149,461
Large Interruptible	718,159	858,355	1,091,772	813,106	1,297,741	1,468,010	1,706,445	1,180,492	1,938,933	1,356,260	1,157,421	1,249,167	14,835,861
	\$0.02895	\$0.02895	\$0.02970	\$0.03042	\$0.03042	\$0.03042	\$0.03042	\$0.03042	\$0.03042	\$0.03042	\$0.03042	\$0.03042	
	\$20,791	\$24,849	\$32,426	\$24,735	\$39,477	\$44,657	\$51,910	\$35,911	\$58,982	\$41,257	\$35,209	\$38,000	\$448,204
Total True-Up Revenue	\$55,045	\$59,279	\$25,570	(\$69,209)	(\$160,307)	(\$376,063)	(\$536,073)	(\$471,653)	(\$450,902)	(\$312,903)	(\$168,294)	(\$21,171)	(\$2,426,681)
Total Volume	2,798,820	2,967,231	3,297,087	4,727,075	9,232,784	17,545,875	23,874,160	19,868,705	21,593,353	15,087,029	9,110,777	3,913,384	134,016,279

Class	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Total
Residential	444,493	468,571	479,735	1,176,402	2,721,513	6,128,646	9,025,495	7,647,982	7,589,646	5,224,401	2,670,013	652,096	44,228,993
	\$0.37272	\$0.37272	\$0.37272	\$0.37272	\$0.24743	\$0.09318	\$0.09318	\$0.09318	\$0.09318	\$0.09318	\$0.04888	\$0.00000	
	\$165,671	\$174,646	\$178,807	\$438,469	\$673,384	\$571,067	\$840,996	\$712,639	\$707,203	\$486,810	\$130,516	\$0	\$5,080,208
Commercial/Industrial	1,407,075	1,418,582	1,487,462	2,454,424	4,798,219	9,378,644	12,489,831	10,692,630	11,291,725	7,931,410	4,922,674	1,738,094	70,010,770
	\$0.13410	\$0.13410	\$0.13410	\$0.13410	\$0.13410	\$0.13410	\$0.13410	\$0.13410	\$0.13410	\$0.13410	\$0.07035	\$0.00000	
	\$188,689	\$190,232	\$199,469	\$329,138	\$643,441	\$1,257,676	\$1,674,886	\$1,433,882	\$1,514,220	\$1,063,602	\$346,304	\$0	\$8,841,539
Small Interruptible	229,093	221,723	238,118	283,143	415,311	570,575	652,389	347,601	773,049	574,958	360,669	274,027	4,940,656
	\$0.05740	\$0.05740	\$0.05740	\$0.05740	\$0.05740	\$0.05740	\$0.05740	\$0.05740	\$0.05740	\$0.05740	\$0.03011	\$0.00000	
	\$13,150	\$12,727	\$13,668	\$16,252	\$23,839	\$32,751	\$37,447	\$19,952	44,373.00	\$33,003	\$10,860	\$0.00	\$258,022
Large Interruptible	718,159	858,355	1,091,772	813,106	1,297,741	1,468,010	1,706,445	1,180,492	1,938,933	1,356,260	1,157,421	1,249,167	14,835,861
	\$0.05740	\$0.05740	\$0.05740	\$0.05740	\$0.05740	\$0.05740	\$0.05740	\$0.05740	\$0.05740	\$0.05740	\$0.03011	\$0.00000	
	\$41,222	\$49,270	\$62,668	\$46,672	\$74,490	\$84,264	\$97,950	\$67,760	\$111,295	\$77,849	\$34,852	\$0	\$748,292
Total Weather Event Recovery	\$408,732	\$426,875	\$454,612	\$830,531	\$1,415,154	\$1,945,758	\$2,651,279	\$2,234,233	\$2,377,091	\$1,661,264	\$522,532	\$0	\$14,928,061
Total Volume	2,798,820	2,967,231	3,297,087	4,727,075	9,232,784	17,545,875	23,874,160	19,868,705	21,593,353	15,087,029	9,110,777	3,913,384	134,016,279

Class	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Total
Residential	444,493	468,571	479,735	1,176,402	2,721,513	6,128,646	9,025,495	7,647,982	7,589,646	5,224,401	2,670,013	652,096	44,228,993
					\$0.00451	\$0.01007	\$0.01007	\$0.01007	\$0.01007	\$0.01007	\$0.01007	\$0.01007	
	\$0	\$0	\$0	\$0	\$12,274	\$61,715	\$90,887	\$77,015	\$76,428	\$52,610	\$26,887	\$6,567	\$404,383
Commercial\Industrial	1,407,075	1,418,582	1,487,462	2,454,424	4,798,219	9,378,644	12,489,831	10,692,630	11,291,725	7,931,410	4,922,674	1,738,094	70,010,770
					\$0.00451	\$0.01007	\$0.01007	\$0.01007	\$0.01007	\$0.01007	\$0.01007	\$0.01007	
	\$0	\$0	\$0	\$0	\$21,640	\$94,443	\$125,773	\$107,675	\$113,708	\$79,869	\$49,571	\$17,503	\$610,182
Small Interruptible	229,093	221,723	238,118	283,143	415,311	570,575	652,389	347,601	773,049	574,958	360,669	274,027	4,940,656
					\$0.00451	\$0.01007	\$0.01007	\$0.01007	\$0.01007	\$0.01007	\$0.01007	\$0.01007	
	\$0	\$0	\$0	\$0	\$1,873	\$5,746	\$6,570	\$3,500	7,785.00	\$5,790	\$3,632	\$2,759.00	\$37,655
Large Interruptible	718,159	858,355	1,091,772	813,106	1,297,741	1,468,010	1,706,445	1,180,492	1,938,933	1,356,260	1,157,421	1,249,167	14,835,861
					\$0.00451	\$0.01007	\$0.01007	\$0.01007	\$0.01007	\$0.01007	\$0.01007	\$0.01007	
	\$0	\$0	\$0	\$0	\$5,853	\$14,783	\$17,184	\$11,888	\$19,525	\$13,658	\$11,655	\$12,579	\$107,125
Total MGP Recovery	\$0	\$0	\$0	\$0	\$41,640	\$176,687	\$240,414	\$200,078	\$217,446	\$151,927	\$91,745	\$39,408	\$1,159,345
Total Volume	2,798,820	2,967,231	3,297,087	4,727,075	9,232,784	17,545,875	23,874,160	19,868,705	21,593,353	15,087,029	9,110,777	3,913,384	134,016,279

Demand Expense	Jun '22	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Total
Total Demand	\$3,770,443	\$3,610,765	\$3,896,849	\$4,053,642	\$4,062,081	\$9,232,924	\$9,247,284	\$11,224,622	\$11,227,937	\$11,217,142	\$4,104,319	\$4,455,541	\$80,103,548
less Shared Transport Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General System Demand	\$3,770,443	\$3,610,765	\$3,896,849	\$4,053,642	\$4,062,081	\$9,232,924	\$9,247,284	\$11,224,622	\$11,227,937	\$11,217,142	\$4,104,319	\$4,455,541	\$80,103,548
<u>General System Demand Allocation</u>													
MN Design Day Allocator	87.39%	87.39%	87.39%	87.39%	87.39%	87.21%	87.21%	87.21%	87.21%	87.21%	87.21%	87.21%	87.21%
ND Design Day Allocator	12.61%	12.61%	12.61%	12.61%	12.61%	12.79%	12.79%	12.79%	12.79%	12.79%	12.79%	12.79%	12.79%
MN General System Demand Exp	\$3,294,990	\$3,155,447	\$3,405,456	\$3,542,478	\$3,549,853	\$8,052,033	\$8,064,556	\$9,788,992	\$9,791,884	\$9,782,470	\$3,579,377	\$3,885,677	\$69,893,213
ND General System Demand Exp	\$475,453	\$455,317	\$491,393	\$511,164	\$512,228	\$1,180,891	\$1,182,728	\$1,435,629	\$1,436,053	\$1,434,672	\$524,942	\$569,864	\$10,210,335
<u>Penalty Credit Allocation</u>													
Curtailment Penalty	\$0	\$0	\$0	\$0	\$0	\$11,440	\$224,840	\$66,055	\$259,375	\$6,760	\$40,685	\$0	\$609,155
Curtailment Penalty - Generation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Balancing Penalty	\$4,823	\$3,207	(\$19,680)	\$5,224	\$7,829	\$10,389	\$12,490	\$12,963	\$14,420	\$12,021	\$9,702	\$19,655	\$93,043
Total Penalty Credit	\$4,823	\$3,207	(\$19,680)	\$5,224	\$7,829	\$10,389	\$12,490	\$12,963	\$14,420	\$12,021	\$9,702	\$19,655	\$93,043
MN Penalty Credit (Design Day Alloc)	\$4,215	\$2,802	(\$17,198)	\$4,565	\$6,841	\$19,037	\$206,976	\$68,912	\$238,777	\$16,379	\$43,943	\$17,141	\$612,390
ND Penalty Credit (Design Day Alloc)	\$608	\$404	(\$2,482)	\$659	\$987	\$2,792	\$30,355	\$10,106	\$35,018	\$2,402	\$6,445	\$2,514	\$89,809
<u>Total Demand Expense by State</u>													
Total MN Demand Exp	\$3,294,990	\$3,155,447	\$3,405,456	\$3,542,478	\$3,549,853	\$8,052,033	\$8,064,556	\$9,788,992	\$9,791,884	\$9,782,470	\$3,579,377	\$3,885,677	\$69,893,213
less Penalty Credit - MN	\$4,215	\$2,802	(\$17,198)	\$4,565	\$6,841	\$19,037	\$206,976	\$68,912	\$238,777	\$16,379	\$43,943	\$17,141	\$612,390
Total MN Adjusted	\$3,290,775	\$3,152,645	\$3,422,654	\$3,537,912	\$3,543,012	\$8,032,996	\$7,857,580	\$9,720,081	\$9,553,107	\$9,766,091	\$3,535,434	\$3,868,536	\$69,280,823
Total ND Demand Exp	\$475,453	\$455,317	\$491,393	\$511,164	\$512,228	\$1,180,891	\$1,182,728	\$1,435,629	\$1,436,053	\$1,434,672	\$524,942	\$569,864	\$10,210,335
less Penalty Credit - ND	\$608	\$404	(\$2,482)	\$659	\$987	\$2,792	\$30,355	\$10,106	\$35,018	\$2,402	\$6,445	\$2,514	\$89,809
less ND NNG Credit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total ND Adjusted	\$474,845	\$454,913	\$493,874	\$510,506	\$511,241	\$1,178,099	\$1,152,373	\$1,425,523	\$1,401,035	\$1,432,270	\$518,498	\$567,350	\$10,120,526
<u>Commodity & Peakshaving Expense</u>													
Comm & Pkg w/o Interruptible Cap Purch	\$19,686,230	\$15,173,331	\$20,432,763	\$21,630,533	\$28,989,847	\$54,487,911	\$113,951,827	\$95,958,856	\$65,267,701	\$43,200,793	\$20,744,114	\$6,345,911	\$505,869,816
Interruptible Capacity Purchases	\$1,459	\$0	\$95	\$661	\$11,022	\$5,059	\$5,658	\$6,889	\$15,600	\$2,979	\$35,832	\$244	\$85,496
Interruptible Shared Transport costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Kansas Tax (Current Year)	\$14,828	\$12,007	\$12,703	\$15,150	\$31,951	\$55,470	\$82,135	\$188,578	\$154,512	\$130,699	\$72,822	\$41,727	\$812,581
Kansas Tax (Adjustment for Actual Bill)	\$0	\$0	\$0	\$0	\$0	\$0	\$516,293	\$0	\$0	\$0	\$0	\$0	\$516,293
Total Commodity & Peaking	\$19,702,516	\$15,185,338	\$20,445,560	\$21,646,344	\$29,032,819	\$54,548,440	\$114,555,914	\$96,154,323	\$65,437,813	\$43,334,471	\$20,852,768	\$6,387,881	\$507,284,187
MN Sales Allocator	85.70%	85.22%	84.51%	84.88%	84.72%	84.39%	84.85%	84.89%	84.48%	83.72%	84.15%	84.09%	
ND Sales Allocator	14.30%	14.78%	15.49%	15.12%	15.28%	15.61%	15.15%	15.11%	15.52%	16.28%	15.85%	15.91%	
MN Comm & Pkg w/o Interruptible Cap Purc	\$16,871,099	\$12,930,713	\$17,267,728	\$18,359,996	\$24,560,198	\$45,982,348	\$96,688,125	\$81,459,473	\$55,138,154	\$36,167,704	\$17,456,172	\$5,336,277	\$428,217,986
MN Interruptible Capacity Purchases	\$1,250	\$0	\$80	\$561	\$9,338	\$4,269	\$4,801	\$5,848	\$13,179	\$2,494	\$30,153	\$205	\$72,177
MN Interruptible Shared Transport costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0	\$0	\$0	\$0
MN Kansas Tax (Current Year)	\$12,594	\$10,255	\$10,883	\$12,772	\$27,213	\$47,294	\$70,248	\$161,995	\$132,911	\$111,617	\$62,378	\$35,579	\$695,739
MN Kansas Tax (Adjustment to Actual Bill)	\$0	\$0	\$0	\$0	\$0	\$0	\$438,075	\$0	\$0	\$0	\$0	\$0	\$438,075
MN Comm. & Peaking Expense	\$16,884,943	\$12,940,968	\$17,278,691	\$18,373,329	\$24,596,749	\$46,033,911	\$97,201,249	\$81,627,316	\$55,284,243	\$36,281,815	\$17,548,702	\$5,372,061	\$429,423,977
ND Comm & Pkg w/o Interruptible Cap Purc	\$2,815,131	\$2,242,618	\$3,165,035	\$3,270,537	\$4,429,649	\$8,505,563	\$17,263,702	\$14,499,383	\$10,129,547	\$7,033,089	\$3,287,942	\$1,009,634	\$77,651,830
ND Interruptible Capacity Purchases	\$209	\$0	\$15	\$100	\$1,684	\$790	\$857	\$1,041	\$2,421	\$485	\$5,679	\$39	\$13,319
ND Interruptible Shared Transport costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0.00	\$0	\$0	\$0	\$0
ND Kansas Tax	\$2,233	\$1,752	\$1,819	\$2,378	\$4,738	\$8,176	\$90,106	\$26,583	\$21,601	\$19,082	\$10,444	\$6,148	\$195,060
ND Comm. & Peaking Expense	\$2,817,573	\$2,244,371	\$3,166,869	\$3,273,015	\$4,436,071	\$8,514,529	\$17,354,665	\$14,527,007	\$10,153,569	\$7,052,656	\$3,304,066	\$1,015,821	\$77,860,210

Expense	Jun '22	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Total
Commodity & Peaking	\$2,817,573	\$2,244,371	\$3,166,869	\$3,273,015	\$4,436,071	\$8,514,529	\$17,354,665	\$14,527,007	\$10,153,569	\$7,052,656	\$3,304,066	\$1,015,821	\$77,860,210
Demand	\$474,845	\$454,913	\$493,874	\$510,506	\$511,241	\$1,178,099	\$1,152,373	\$1,425,523	\$1,401,035	\$1,432,270	\$518,498	\$567,350	\$10,120,526
Total	\$3,292,417	\$2,699,284	\$3,660,743	\$3,783,520	\$4,947,312	\$9,692,628	\$18,507,038	\$15,952,529	\$11,554,604	\$8,484,926	\$3,822,563	\$1,583,171	\$87,980,736

Revenue	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Total
Commodity & Peaking	\$2,143,872	\$2,067,656	\$2,753,080	\$3,296,204	\$5,114,832	\$11,209,766	\$18,071,407	\$13,932,826	\$11,126,092	\$5,291,877	\$2,608,987	\$729,240	\$78,345,837
Demand	\$86,802	\$92,436	\$97,566	\$174,679	\$560,557	\$1,686,981	\$2,498,120	\$2,235,416	\$2,302,017	\$1,163,716	\$411,309	\$127,956	\$11,437,555
Total	\$2,230,674	\$2,160,092	\$2,850,646	\$3,470,883	\$5,675,389	\$12,896,747	\$20,569,527	\$16,168,242	\$13,428,109	\$6,455,593	\$3,020,296	\$857,196	\$89,783,392

Over/(Under)	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Total
Commodity & Peaking	(\$673,701)	(\$176,715)	(\$413,789)	\$23,189	\$678,761	\$2,695,237	\$716,742	(\$594,181)	\$972,522	(\$1,760,779)	(\$695,078)	(\$286,580)	\$485,627
Demand	(\$388,043)	(\$362,477)	(\$396,308)	(\$335,827)	\$49,316	\$508,882	\$1,345,747	\$809,893	\$900,982	(\$268,554)	(\$107,189)	(\$439,394)	\$1,317,029
Total	(\$1,061,744)	(\$539,192)	(\$810,098)	(\$312,638)	\$728,077	\$3,204,119	\$2,062,489	\$215,712	\$1,873,505	(\$2,029,333)	(\$802,267)	(\$725,974)	\$1,802,656

	Jun '22	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Total
Demand Expense	\$474,845	\$454,913	\$493,874	\$510,506	\$511,241	\$1,178,099	\$1,152,373	\$1,425,523	\$1,401,035	\$1,432,270	\$518,498	\$567,350	\$10,120,526

Annual Firm Billed Sales Allocator

Residential	44,228,993	38.72%
Commercial/Industrial	70,010,770	61.28%
Total	114,239,762	100.00%

Demand Expense Allocation to Class

Residential	\$183,860	\$176,142	\$191,228	\$197,668	\$197,953	\$456,160	\$446,199	\$551,962	\$542,481	\$554,575	\$200,762	\$219,678	\$3,918,668
Commercial/Industrial	\$290,985	\$278,771	\$302,646	\$312,838	\$313,289	\$721,939	\$706,174	\$873,560	\$858,554	\$877,695	\$317,735	\$347,672	\$6,201,859
Total Demand Expense	\$474,845	\$454,913	\$493,874	\$510,506	\$511,241	\$1,178,099	\$1,152,373	\$1,425,523	\$1,401,035	\$1,432,270	\$518,498	\$567,350	\$10,120,526

Demand Revenue

	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Total
Residential	\$20,838	\$22,951	\$23,793	\$56,597	\$202,875	\$666,713	\$1,047,940	\$932,162	\$925,330	\$462,132	\$144,639	\$34,909	\$4,540,879
Commercial/Industrial	\$65,964	\$69,485	\$73,773	\$118,082	\$357,682	\$1,020,268	\$1,450,180	\$1,303,254	\$1,376,687	\$701,584	\$266,670	\$93,047	\$6,896,676
Total Demand Revenue	\$86,802	\$92,436	\$97,566	\$174,679	\$560,557	\$1,686,981	\$2,498,120	\$2,235,416	\$2,302,017	\$1,163,716	\$411,309	\$127,956	\$11,437,555

Demand Over/(Under)

	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Total
Residential	(\$163,022)	(\$153,191)	(\$167,435)	(\$141,071)	\$4,922	\$210,553	\$601,741	\$380,200	\$382,849	(\$92,443)	(\$56,123)	(\$184,769)	\$622,211
Commercial/Industrial	(\$225,021)	(\$209,286)	(\$228,873)	(\$194,756)	\$44,393	\$298,329	\$744,006	\$429,694	\$518,133	(\$176,111)	(\$51,065)	(\$254,625)	\$694,817
Total Demand Over/(Under)	(\$388,043)	(\$362,477)	(\$396,308)	(\$335,827)	\$49,316	\$508,882	\$1,345,747	\$809,893	\$900,982	(\$268,554)	(\$107,189)	(\$439,394)	\$1,317,029

	Jun '22	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Total
<u>Expense</u>													
ND Comm. & Peaking Expense	\$2,817,573	\$2,244,371	\$3,166,869	\$3,273,015	\$4,436,071	\$8,514,529	\$17,354,665	\$14,527,007	\$10,153,569	\$7,052,656	\$3,304,066	\$1,015,821	\$77,860,210
less ND Interruptible Capacity Purch	(\$209)	\$0	(\$15)	(\$100)	(\$1,684)	(\$790)	(\$857)	(\$1,041)	(\$2,421)	(\$485)	(\$5,679)	(\$39)	(\$13,319)
less ND Int. Shared Transport costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ND Comm & Pkg w/o Int Cap Purch	\$2,817,364	\$2,244,371	\$3,166,854	\$3,272,915	\$4,434,386	\$8,513,739	\$17,353,808	\$14,525,966	\$10,151,148	\$7,052,171	\$3,298,386	\$1,015,782	\$77,846,890

<u>Sales Allocator</u>													
Residential	15.88%	15.79%	14.55%	24.89%	29.48%	34.93%	37.80%	38.49%	35.15%	34.63%	29.31%	16.66%	
Commercial/Industrial	50.27%	47.81%	45.11%	51.92%	51.97%	53.45%	52.32%	53.82%	52.29%	52.57%	54.03%	44.41%	
Small Interruptible	8.19%	7.47%	7.22%	5.99%	4.50%	3.25%	2.73%	1.75%	3.58%	3.81%	3.96%	7.00%	
Large Interruptible	25.66%	28.93%	33.11%	17.20%	14.06%	8.37%	7.15%	5.94%	8.98%	8.99%	12.70%	31.92%	
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

<u>Commodity & Peakshaving Expense without Interruptible Capacity Purchases</u>													
Residential	\$447,438	\$354,420	\$460,786	\$814,513	\$1,307,107	\$2,973,787	\$6,560,512	\$5,591,423	\$3,567,932	\$2,442,056	\$966,628	\$169,262	\$25,655,864
Commercial/Industrial	\$1,416,398	\$1,072,995	\$1,428,708	\$1,699,385	\$2,304,522	\$4,550,775	\$9,078,691	\$7,817,358	\$5,308,299	\$3,707,400	\$1,782,162	\$451,150	\$40,617,844
Small Interruptible	\$230,611	\$167,708	\$228,713	\$196,042	\$199,468	\$276,859	\$474,213	\$254,130	\$363,414	\$268,754	\$130,573	\$71,128	\$2,861,613
Large Interruptible	\$722,917	\$649,247	\$1,048,648	\$562,975	\$623,288	\$712,319	\$1,240,392	\$863,055	\$911,503	\$633,960	\$419,023	\$324,241	\$8,711,569
Total Comm & Peakshaving Exp	\$2,817,364	\$2,244,371	\$3,166,854	\$3,272,915	\$4,434,386	\$8,513,739	\$17,353,808	\$14,525,966	\$10,151,148	\$7,052,171	\$3,298,386	\$1,015,782	\$77,846,890

<u>Sales Allocator</u>													
Small Interruptible	24.19%	20.53%	17.91%	25.83%	24.24%	27.99%	27.66%	22.75%	28.50%	29.77%	23.76%	17.99%	
Large Interruptible	75.81%	79.47%	82.09%	74.17%	75.76%	72.01%	72.34%	77.25%	71.50%	70.23%	76.24%	82.01%	
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	

<u>Direct Assignment of Interruptible Capacity Purchase & Shared Transport Expenses</u>													
Small Interruptible	\$50	\$0	\$3	\$26	\$408	\$221	\$237	\$237	\$690	\$144	\$1,349	\$7	\$3,373
Large Interruptible	\$158	\$0	\$12	\$74	\$1,276	\$569	\$620	\$804	\$1,731	\$341	\$4,330	\$32	\$9,946
Total Comm & Peakshaving Exp	\$209	\$0	\$15	\$100	\$1,684	\$790	\$857	\$1,041	\$2,421	\$485	\$5,679	\$39	\$13,319

<u>Total Commodity & Peakshaving Expense</u>													
Residential	\$447,438	\$354,420	\$460,786	\$814,513	\$1,307,107	\$2,973,787	\$6,560,512	\$5,591,423	\$3,567,932	\$2,442,056	\$966,628	\$169,262	\$25,655,864
Commercial/Industrial	\$1,416,398	\$1,072,995	\$1,428,708	\$1,699,385	\$2,304,522	\$4,550,775	\$9,078,691	\$7,817,358	\$5,308,299	\$3,707,400	\$1,782,162	\$451,150	\$40,617,844
Small Interruptible	\$230,661	\$167,708	\$228,715	\$196,067	\$199,877	\$277,080	\$474,450	\$254,367	\$364,105	\$268,899	\$131,923	\$71,135	\$2,864,986
Large Interruptible	\$723,075	\$649,247	\$1,048,660	\$563,049	\$624,564	\$712,887	\$1,241,012	\$863,859	\$913,234	\$634,301	\$423,353	\$324,273	\$8,721,515
Total Comm & Peakshaving Exp	\$2,817,573	\$2,244,371	\$3,166,869	\$3,273,015	\$4,436,071	\$8,514,529	\$17,354,665	\$14,527,007	\$10,153,569	\$7,052,656	\$3,304,066	\$1,015,821	\$77,860,210

<u>Commodity & Peakshaving Revenue</u>													
	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Total
Residential	\$341,448	\$333,734	\$403,035	\$771,409	\$1,461,040	\$3,896,921	\$6,850,318	\$5,371,017	\$3,885,073	\$1,839,864	\$756,980	\$124,405	\$26,035,243
Commercial/Industrial	\$1,063,256	\$1,011,276	\$1,247,220	\$1,698,686	\$2,695,957	\$6,071,011	\$9,428,015	\$7,449,617	\$5,749,483	\$2,781,954	\$1,435,871	\$318,659	\$40,951,005
Small Interruptible	\$168,182	\$160,440	\$199,551	\$196,400	\$231,727	\$366,870	\$493,800	\$250,171	\$423,050	\$196,485	\$94,461	\$53,146	\$2,834,283
Large Interruptible	\$570,987	\$562,206	\$903,274	\$629,708	\$726,108	\$874,963	\$1,299,273	\$862,021	\$1,068,486	\$473,573	\$321,676	\$233,030	\$8,525,305
Total Comm & Peakshaving Rev	\$2,143,872	\$2,067,656	\$2,753,080	\$3,296,204	\$5,114,832	\$11,209,766	\$18,071,407	\$13,932,826	\$11,126,092	\$5,291,877	\$2,608,987	\$729,240	\$78,345,837

<u>Commodity & Peakshaving - Over/(Unr)</u>													
Residential	(\$105,990)	(\$20,686)	(\$57,751)	(\$43,103)	\$153,932	\$923,135	\$289,806	(\$220,405)	\$317,140	(\$602,191)	(\$209,649)	(\$44,857)	\$379,379
Commercial/Industrial	(\$353,142)	(\$61,719)	(\$181,488)	(\$699)	\$391,435	\$1,520,236	\$349,324	(\$367,741)	\$441,184	(\$925,446)	(\$346,291)	(\$132,491)	\$333,161
Small Interruptible	(\$62,480)	(\$7,269)	(\$29,164)	\$333	\$31,850	\$89,791	\$19,350	(\$4,196)	\$58,945	(\$72,413)	(\$37,462)	(\$17,989)	(\$30,703)
Large Interruptible	(\$152,089)	(\$87,041)	(\$145,386)	\$66,659	\$101,544	\$162,076	\$58,261	(\$1,839)	\$155,252	(\$160,728)	(\$101,676)	(\$91,244)	(\$196,210)
Total Comm & Peak Over/(Under)	(\$673,701)	(\$176,715)	(\$413,789)	\$23,189	\$678,761	\$2,695,237	\$716,742	(\$594,181)	\$972,522	(\$1,760,779)	(\$695,078)	(\$286,580)	\$485,627

	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Total
Residential	\$362,286	\$356,685	\$426,828	\$828,006	\$1,663,915	\$4,563,634	\$7,898,258	\$6,303,179	\$4,810,403	\$2,301,996	\$901,619	\$159,314	\$30,576,122
Sm Commercial/Industrial	\$1,129,220	\$1,080,761	\$1,320,993	\$1,816,768	\$3,053,639	\$7,091,279	\$10,878,195	\$8,752,871	\$7,126,170	\$3,483,538	\$1,702,541	\$411,706	\$47,847,681
Small Interruptible	\$168,182	\$160,440	\$199,551	\$196,400	\$231,727	\$366,870	\$493,800	\$250,171	\$423,050	\$196,485	\$94,461	\$53,146	\$2,834,283
Large Interruptible	\$570,987	\$562,206	\$903,274	\$629,708	\$726,108	\$874,963	\$1,299,273	\$862,021	\$1,068,486	\$473,573	\$321,676	\$233,030	\$8,525,305
Total	\$2,230,674	\$2,160,092	\$2,850,646	\$3,470,883	\$5,675,389	\$12,896,747	\$20,569,527	\$16,168,242	\$13,428,109	\$6,455,593	\$3,020,296	\$857,196	\$89,783,392

Class	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Total
Residential	444,493	468,571	479,735	1,176,402	2,721,513	6,128,646	9,025,495	7,647,982	7,589,646	5,224,401	2,670,013	652,096	44,228,993
	\$0.04688	\$0.04898	\$0.04960	\$0.04811	\$0.07454	\$0.10879	\$0.11611	\$0.12188	\$0.12192	\$0.08846	\$0.05417	\$0.05353	
	\$20,838	\$22,951	\$23,793	\$56,597	\$202,875	\$666,713	\$1,047,940	\$932,162	\$925,330	\$462,132	\$144,639	\$34,909	\$4,540,879
Commercial/Industrial	1,407,075	1,418,582	1,487,462	2,454,424	4,798,219	9,378,644	12,489,831	10,692,630	11,291,725	7,931,410	4,922,674	1,738,094	70,010,770
	\$0.04688	\$0.04898	\$0.04960	\$0.04811	\$0.07454	\$0.10879	\$0.11611	\$0.12188	\$0.12192	\$0.08846	\$0.05417	\$0.05353	
	\$65,964	\$69,485	\$73,773	\$118,082	\$357,682	\$1,020,268	\$1,450,180	\$1,303,254	\$1,376,687	\$701,584	\$266,670	\$93,047	\$6,896,676
Demand Revenue	\$86,802	\$92,436	\$97,566	\$174,679	\$560,557	\$1,686,981	\$2,498,120	\$2,235,416	\$2,302,017	\$1,163,716	\$411,309	\$127,956	\$11,437,555
Total Demand Revenue	\$86,802	\$92,436	\$97,566	\$174,679	\$560,557	\$1,686,981	\$2,498,120	\$2,235,416	\$2,302,017	\$1,163,716	\$411,309	\$127,956	\$11,437,555

Class	Jul '22	Aug '22	Sep '22	Oct '22	Nov '22	Dec '22	Jan '23	Feb '23	Mar '23	Apr '23	May '23	Jun '23	Total
Residential													
Total Revenue	\$362,286	\$356,685	\$426,828	\$828,006	\$1,663,915	\$4,563,634	\$7,898,258	\$6,303,179	\$4,810,403	\$2,301,996	\$901,619	\$159,314	\$30,576,122
less Demand Revenue	\$20,838	\$22,951	\$23,793	\$56,597	\$202,875	\$666,713	\$1,047,940	\$932,162	\$925,330	\$462,132	\$144,639	\$34,909	\$4,540,879
Commodity & Peakshaving Revenue	\$341,448	\$333,734	\$403,035	\$771,409	\$1,461,040	\$3,896,921	\$6,850,318	\$5,371,017	\$3,885,073	\$1,839,864	\$756,980	\$124,405	\$26,035,243
Commercial/Industrial													
Total Revenue	\$1,129,220	\$1,080,761	\$1,320,993	\$1,816,768	\$3,053,639	\$7,091,279	\$10,878,195	\$8,752,871	\$7,126,170	\$3,483,538	\$1,702,541	\$411,706	\$47,847,681
less Demand Revenue	\$65,964	\$69,485	\$73,773	\$118,082	\$357,682	\$1,020,268	\$1,450,180	\$1,303,254	\$1,376,687	\$701,584	\$266,670	\$93,047	\$6,896,676
Commodity & Peakshaving Revenue	\$1,063,256	\$1,011,276	\$1,247,220	\$1,698,686	\$2,695,957	\$6,071,011	\$9,428,015	\$7,449,617	\$5,749,483	\$2,781,954	\$1,435,871	\$318,659	\$40,951,005
Small Interruptible													
Commodity & Peakshaving Revenue	\$168,182	\$160,440	\$199,551	\$196,400	\$231,727	\$366,870	\$493,800	\$250,171	\$423,050	\$196,485	\$94,461	\$53,146	\$2,834,283
Large Interruptible													
Commodity & Peakshaving Revenue	\$570,987	\$562,206	\$903,274	\$629,708	\$726,108	\$874,963	\$1,299,273	\$862,021	\$1,068,486	\$473,573	\$321,676	\$233,030	\$8,525,305
Commodity & Peakshaving Revenue	\$2,143,872	\$2,067,656	\$2,753,080	\$3,296,204	\$5,114,832	\$11,209,766	\$18,071,407	\$13,932,826	\$11,126,092	\$5,291,877	\$2,608,987	\$729,240	\$78,345,837
Demand Revenue	\$86,802	\$92,436	\$97,566	\$174,679	\$560,557	\$1,686,981	\$2,498,120	\$2,235,416	\$2,302,017	\$1,163,716	\$411,309	\$127,956	\$11,437,555
Total Revenue	\$2,230,674	\$2,160,092	\$2,850,646	\$3,470,883	\$5,675,389	\$12,896,747	\$20,569,527	\$16,168,242	\$13,428,109	\$6,455,593	\$3,020,296	\$857,196	\$89,783,392

JUL					AUG				SEP			
Cycle	Date	On	Days	Factor	Date	On	Days	Factor	Date	On	Days	Factor
21					1-Aug	0	32					
1	1-Jul	0	29		2-Aug	1	32					
2	5-Jul	4	32		3-Aug	2	29		1-Sep	0	29	0
3	6-Jul	5	30		4-Aug	3	29		2-Sep	1	29	0
4	7-Jul	6	30		5-Aug	4	29		6-Sep	5	32	0
5	8-Jul	7	30		8-Aug	7	31		7-Sep	6	30	0
6	11-Jul	10	32		9-Aug	8	29		8-Sep	7	30	0
7	12-Jul	11	32		10-Aug	9	29		9-Sep	8	30	0
8	13-Jul	12	30		11-Aug	10	29		12-Sep	11	32	0
9	14-Jul	13	30		12-Aug	11	29		13-Sep	12	32	0
10	15-Jul	14	30		15-Aug	14	31		14-Sep	13	30	0
11	18-Jul	17	32		16-Aug	15	29		15-Sep	14	30	0
12	19-Jul	18	32		17-Aug	16	29		16-Sep	15	30	0
13	20-Jul	19	30		18-Aug	17	29		19-Sep	18	32	0
14	21-Jul	20	30		19-Aug	18	29		20-Sep	19	32	0
15	22-Jul	21	30		22-Aug	21	31		21-Sep	20	30	0
16	25-Jul	24	32		23-Aug	22	29		22-Sep	21	30	0
17	26-Jul	25	32		24-Aug	23	29		23-Sep	22	30	0
18	27-Jul	26	30		25-Aug	24	29		26-Sep	25	32	0
19	28-Jul	27	30		26-Aug	25	29		27-Sep	26	32	0
20	29-Jul	28	30		29-Aug	28	31		28-Sep	27	30	0
21					30-Aug	29	29		29-Sep	28	30	0
1					31-Aug	29	29		30-Sep	29	30	0
Total		307	613	0.5008		336	681	0.4934		327	642	0.5093
OCT					NOV				DEC			
Cycle	Date	On	Days	Factor	Date	On	Days	Factor	Date	On	Days	Factor
1									1-Dec	0	31	
2	3-Oct	2	32		1-Nov	0	29		2-Dec	1	31	
3	4-Oct	3	32		2-Nov	1	29		5-Dec	4	33	
4	5-Oct	4	29		3-Nov	2	29		6-Dec	5	33	
5	6-Oct	5	29		4-Nov	3	29		7-Dec	6	33	
6	7-Oct	6	29		7-Nov	6	31		8-Dec	7	31	
7	10-Oct	9	31		8-Nov	7	29		9-Dec	8	31	
8	11-Oct	10	29		9-Nov	8	29		12-Dec	11	33	
9	12-Oct	11	29		10-Nov	9	29		13-Dec	12	33	
10	13-Oct	12	29		11-Nov	10	29		14-Dec	13	33	
11	14-Oct	13	29		14-Nov	13	31		15-Dec	14	31	
12	17-Oct	16	31		15-Nov	14	29		16-Dec	15	31	
13	18-Oct	17	29		16-Nov	15	29		19-Dec	18	33	
14	19-Oct	18	29		17-Nov	16	29		20-Dec	19	33	
15	20-Oct	19	29		18-Nov	17	29		21-Dec	20	33	
16	21-Oct	20	29		21-Nov	20	31		22-Dec	21	31	
17	24-Oct	23	31		22-Nov	21	29		27-Dec	26	35	
18	25-Oct	24	29		23-Nov	22	29		28-Dec	27	35	
19	26-Oct	25	29		28-Nov	27	33		29-Dec	28	31	
20	27-Oct	26	29		29-Nov	28	33		30-Dec	29	31	
21	28-Oct	27	29		30-Nov	29	33					
1	31-Oct	30	31									
Total		320	623	0.5136		268	598	0.4482		284	646	0.4396

Northern States Power Company
 Gas Operations - State of ND
 WEIGHTED AVERAGE DEMAND RATE CALCULATION: July 2022 - June 2023
 Filed September 1, 2023

Mo	Description	Multiplier	Demand
JUL	Previous	0.0000	\$0.04688
	Old	0.4992	\$0.04688
	New	0.5008	\$0.04688
	Weighted	1.0000	\$0.04688
AUG	Previous	0.0015	\$0.04688
	Old	0.5051	\$0.04688
	New	0.4934	\$0.05114
	Weighted	1.0000	\$0.04898
SEP	Previous	0.0000	\$0.04688
	Old	0.4907	\$0.05114
	New	0.5093	\$0.04811
	Weighted	1.0000	\$0.04960
OCT	Previous	0.0000	\$0.05114
	Old	0.4864	\$0.04811
	New	0.5136	\$0.04811
	Weighted	1.0000	\$0.04811
NOV	Previous	0.0000	\$0.04811
	Old	0.5518	\$0.04811
	New	0.4482	\$0.10709
	Weighted	1.0000	\$0.07454
DEC	Previous	0.0015	\$0.04811
	Old	0.5589	\$0.10709
	New	0.4396	\$0.11115
	Weighted	1.0000	\$0.10879
JAN	Previous	0.0015	\$0.10709
	Old	0.5375	\$0.11115
	New	0.4610	\$0.12192
	Weighted	1.0000	\$0.11611
FEB	Previous	0.0034	\$0.11115
	Old	0.5737	\$0.12192
	New	0.4229	\$0.12192
	Weighted	1.0000	\$0.12188
MAR	Previous	0.0043	\$0.12192
	Old	0.4900	\$0.12192
	New	0.5057	\$0.12192
	Weighted	1.0000	\$0.12192
APR	Previous	0.0000	\$0.12192
	Old	0.5068	\$0.12192
	New	0.4932	\$0.05407
	Weighted	1.0000	\$0.08846
MAY	Previous	0.0015	\$0.12192
	Old	0.5231	\$0.05407
	New	0.4754	\$0.05407
	Weighted	1.0000	\$0.05417
JUN	Previous	0.0000	\$0.05407
	Old	0.5082	\$0.05407
	New	0.4918	\$0.05298
	Weighted	1.0000	\$0.05353

Filed September 1, 2023

Schedule F intentionally left blank

	<u>Jun '22</u>	<u>Jul '22</u>	<u>Aug '22</u>	<u>Sep '22</u>	<u>Oct '22</u>	<u>Nov '22</u>	<u>Dec '22</u>	<u>Jan '23</u>	<u>Feb '23</u>	<u>Mar '23</u>	<u>Apr '23</u>	<u>May '23</u>	<u>Total</u>
Demand Expense	\$3,770,443	\$3,610,765	\$3,896,849	\$4,053,642	\$4,062,081	\$9,232,924	\$9,247,284	\$11,224,622	\$11,227,937	\$11,217,142	\$4,104,319	\$4,455,541	\$80,103,548
Commodity Expense	\$19,653,712	\$15,127,948	\$20,389,325	\$21,596,934	\$29,011,282	\$54,514,275	\$114,489,609	\$96,058,930	\$65,430,668	\$43,219,097	\$20,792,182	\$6,405,285	\$506,689,246
LNG													
LPG													
<u>Boiloff</u>													
Peakshaving Exp	\$48,805	\$57,391	\$56,235	\$49,410	\$21,538	\$34,165	\$66,305	\$95,393	\$7,144	\$115,373	\$60,586	(\$17,403)	\$594,941
Total	\$23,472,959	\$18,796,103	\$24,342,409	\$25,699,985	\$33,094,901	\$63,781,363	\$123,803,198	\$107,378,944	\$76,665,749	\$54,551,613	\$24,957,087	\$10,843,422	\$587,387,734

Northern States Power Company, a Minnesota corporation

Schedule of Monthly and Annual Cost of
Gas Rider Factors of Northern States Power
Company, a Minnesota corporation, for the
period from July 1, 2022, to June 30, 2023, and
Independent Accountant's Report

INDEPENDENT ACCOUNTANT'S REPORT

To the Board of Directors of
Northern States Power Company, a Minnesota corporation:

We have examined the accompanying Schedule of Monthly and Annual Cost of Gas Rider Factors ("the Schedule") of Northern States Power Company, a Minnesota corporation (the "Company"), for the period from July 1, 2022, to June 30, 2023. The Company's management is responsible for the Schedule to be in accordance with the North Dakota Public Service Commission's (the "Commission") Administrative Code Chapter 69-09-01-30, governing automatic adjustment of energy charges, and with the Cost of Gas Riders as defined on Sheet Nos. 5-19, 5-20, and 5-20.1 of the North Dakota Gas Rate Book. Our responsibility is to express an opinion on the Schedule based on our examination.

Our examination was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants. Those standards require that we plan and perform the examination to obtain reasonable assurance about whether the Schedule is in accordance with the Commission's Administrative Code Chapter 69-09-01-30 governing automatic adjustment of energy charges, and with the Cost of Gas Riders as defined in the North Dakota Gas Rate Book, in all material respects. An examination involves performing procedures to obtain evidence about the Schedule. The nature, timing, and extent of the procedures selected depend on our judgment, including an assessment of the risks of material misstatement of the Schedule, whether due to fraud or error. We believe that the evidence we obtained is sufficient and appropriate to provide a reasonable basis for our opinion.

We are required to be independent and to meet our other ethical responsibilities in accordance with relevant ethical requirements relating to the engagement.

In our opinion, the Schedule for the period from July 1, 2022, to June 30, 2023, has been calculated in accordance with the criteria established by the Commission's Administrative Code Chapter 69-09-01-30 governing automatic adjustment of energy charges, and with the Cost of Gas Riders as defined on Sheet Nos. 5-19, 5-20, and 5-20.1 of the North Dakota Gas Rate Book, in all material respects.

This report is intended solely for the information and use of the Board of Directors of the Company, and the Commission, and is not intended to be and should not be used by anyone other than the specified parties.

Deloitte & Touche LLP

August 25, 2023

**NORTHERN STATES POWER COMPANY, A MINNESOTA CORPORATION
SCHEDULE OF MONTHLY AND ANNUAL COST OF GAS RIDER FACTORS
FOR THE PERIOD FROM JULY 1, 2022 TO JUNE 30, 2023
(DOLLARS PER THERM)**

	State of North Dakota		
	Residential	Commercial Industrial	Small & Large Interruptible
July 1, 2022	\$1.04499	\$0.81550	\$0.70376
August 1, 2022	\$1.25505	\$1.02556	\$0.90956
September 1, 2022	\$1.25200	\$1.01343	\$0.94727
October 1, 2022	\$0.95614	\$0.71757	\$0.65141
November 1, 2022	\$0.72847	\$0.76944	\$0.64430
December 1, 2022	\$0.95234	\$0.99331	\$0.86411
January 1, 2023	\$0.94873	\$0.98970	\$0.84973
February 1, 2023	\$0.81942	\$0.86039	\$0.72042
March 1, 2023	\$0.57080	\$0.61177	\$0.47180
April 1, 2023	\$0.40399	\$0.44496	\$0.37284
May 1, 2023	\$0.21757	\$0.21762	\$0.22220
June 1, 2023	\$0.23272	\$0.23277	\$0.23844
Annual true-up factor for the period from July 1, 2022 to June 30, 2023	(\$0.01980)	(0.04786)	\$0.03941

This Schedule of Monthly and Annual Cost of Gas Rider Factors is based on the requirements of the North Dakota Administrative Code Chapter 69-09-01-30 governing automatic adjustment of energy charges, and with the Cost of Gas Rider as defined on Sheet Nos. 5-19, 5-20, and 5-20.1 of the North Dakota Gas Rate Book.