



414 Nicollet Mall
Minneapolis, MN 55401

August 30, 2019

—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: 2019 ANNUAL COST OF GAS ADJUSTMENT (COG) TRUE-UP FILING
CASE NO. PU-19-9**

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.

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
MANAGER, REGULATORY ANALYSIS

Enclosure

19 PU-19-9 Filed: 8/30/2019 Pages: 21
Annual true-up filing for period July 1, 2018 to June 30, 2019 cost of gas adjustment

Northern States Power Company

<u>Cost of Gas Recovery Period: July 2018 - June 2019</u>	<u>Residential</u>	<u>C&I</u>	<u>Interruptible</u>	<u>Total</u>	<u>Ref.</u>
1 COG Expense	\$17,394,017	\$24,900,873	\$9,360,592	\$51,655,481	Sch D2
2 COG Revenue	<u>\$17,689,083</u>	<u>\$24,924,898</u>	<u>\$8,800,569</u>	<u>\$51,414,549</u>	Sch E1
3 Subtotal: Excess(Deficient) COG Recovery	<u>\$295,066</u>	<u>\$24,025</u>	<u>(\$560,023)</u>	<u>(\$240,932)</u>	Line 1 + Line 2
4 Excess(Deficient) COG Recovery in Prior Period (Jul-2017 - Jun-2018)	\$273,293	\$49,934	(\$438,145)	(\$114,919)	True-Up*
5 Net True-up Charges/Credits Related to Prior Period	<u>(\$296,488)</u>	<u>(\$30,517)</u>	<u>\$464,705</u>	<u>\$137,700</u>	Sch C
6 Subtotal: Excess (Deficient) True-Up of Prior Period	<u>(\$23,195)</u>	<u>\$19,417</u>	<u>\$26,560</u>	<u>\$22,781</u>	Line 4 + Line 5
7 Net Excess (Deficient) COG Recovery (Jul-2018 - Jun-2019)	\$271,871	\$43,442	(\$533,463)	(\$218,151)	Line 3 + Line 6
8 Carrying Charges	<u>(\$7,082)</u>	<u>(\$577)</u>	<u>\$13,442</u>	<u>\$5,783</u>	Sch G
9 Total Excess (Deficient) COG Recovery (Jul-2018 - Jun-2019)	<u>\$264,789</u>	<u>\$42,865</u>	<u>(\$520,021)</u>	<u>(\$212,368)</u>	Line 7 + Line 8
10 Forecasted Therms for Next True-Up Period (Sept-2019 - Aug-2020)	38,571,159	56,924,621	26,870,349	122,366,128	Sch B
True-Up Factor (\$/therm) effective 9/1/2019 - 8/31/2020	(\$0.00686)	(\$0.00075)	\$0.01935		Line 9 / Line 10

*Previous True-Up filing submitted 10/30/18

Northern States Power Company
 Gas Operations - State of ND
 ACTUAL THERM SALES: July 2018 - June 2019
 Filed August 30, 2019

Schedule B
 Page 1 of 2

Firm Sales	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Jan '19	Feb '19	Mar '19	Apr '19	May '19	Jun '19	Total
Residential	430,032	461,024	420,806	2,143,905	3,446,754	5,259,974	7,540,501	8,176,805	7,566,196	4,116,897	2,247,656	957,340	42,767,890
Commercial/Industrial	1,179,204	1,225,456	1,207,731	3,001,487	4,960,913	7,692,924	10,054,936	10,596,658	10,188,923	5,864,217	3,436,540	1,943,712	61,352,701
Interdepartmental	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Firm	1,179,204	1,225,456	1,207,731	3,001,487	4,960,913	7,692,924	10,054,936	10,596,658	10,188,923	5,864,217	3,436,540	1,943,712	61,352,701
Total Firm Sales (therms)	1,609,236	1,686,480	1,628,537	5,145,392	8,407,667	12,952,898	17,595,437	18,773,463	17,755,119	9,981,114	5,684,196	2,901,052	104,120,591
Interruptible Sales	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Jan '19	Feb '19	Mar '19	Apr '19	May '19	Jun '19	Total
Small Interruptible	282,971	280,418	278,315	446,857	538,971	763,390	784,736	791,753	847,456	669,236	454,737	361,662	6,500,502
Large Interruptible	1,103,829	1,399,093	1,471,637	1,568,347	1,927,388	2,420,542	2,442,186	2,052,943	2,632,773	1,694,281	1,283,344	1,708,686	21,705,049
Total Interruptible Sales (therms)	1,386,800	1,679,511	1,749,952	2,015,204	2,466,359	3,183,932	3,226,922	2,844,696	3,480,229	2,363,517	1,738,081	2,070,348	28,205,551
Total North Dakota Sales (therms)	2,996,036	3,365,991	3,378,489	7,160,596	10,874,026	16,136,830	20,822,359	21,618,159	21,235,348	12,344,631	7,422,277	4,971,400	132,326,142
ND Transportation	648,550	555,260	447,120	641,890	812,370	763,320	914,320	991,650	901,580	906,900	898,460	723,090	9,204,510

Northern States Power Company
Gas Operations - States of MN and ND
BUDGETED RETAIL DEKATHERM SALES: Sept 2019 - Aug 2020
Filed August 30, 2019

Schedule B
Page 2 of 2

State of MN	Total Dekatherms
Residential	38,171,309
Commercial/Industrial	22,850,217
<u>Demand Billed</u>	<u>3,107,520</u>
Total Firm	64,129,046
Small Interruptible	2,058,800
<u>Medium and Large Interruptible</u>	<u>8,241,542</u>
Total Interruptible	10,300,342
Total MN Sales (Dekatherms)	74,429,388
Demand Billed Demand	329,132

State of ND	
Residential	3,857,116
<u>Commercial & Industrial</u>	<u>5,692,452</u>
Total Firm	9,549,578
Small Interruptible	593,751
<u>Medium and Large Interruptible</u>	<u>2,093,284</u>
Total Interruptible	2,687,035
Total ND Sales (Dekatherms)	12,236,613

Class	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Jan '19	Feb '19	Mar '19	Apr '19	May '19	Jun '19	Total
Residential	430,032	461,024	420,806	2,143,905	3,446,754	5,259,974	7,540,501	8,176,805	7,566,196	4,116,897	2,247,656	957,340	42,767,890
	\$0.00384	\$0.00384	(\$0.00162)	(\$0.00718)	(\$0.00722)	(\$0.00722)	(\$0.00722)	(\$0.00722)	(\$0.00722)	(\$0.00722)	(\$0.00722)	(\$0.00722)	(\$0.00722)
	\$1,651	\$1,770	(\$682)	(\$15,393)	(\$24,886)	(\$37,977)	(\$54,442)	(\$59,037)	(\$54,628)	(\$29,724)	(\$16,228)	(\$6,912)	(\$296,488)
Commercial/Industrial	1,179,204	1,225,456	1,207,731	3,001,487	4,960,913	7,692,924	10,054,936	10,596,658	10,188,923	5,864,217	3,436,540	1,943,712	61,352,701
	\$0.00743	\$0.00743	\$0.00332	(\$0.00086)	(\$0.00091)	(\$0.00091)	(\$0.00091)	(\$0.00091)	(\$0.00091)	(\$0.00091)	(\$0.00091)	(\$0.00091)	(\$0.00091)
	\$8,761	\$9,105	\$4,010	(\$2,581)	(\$4,514)	(\$7,001)	(\$9,150)	(\$9,643)	(\$9,272)	(\$5,336)	(\$3,127)	(\$1,769)	(\$30,517)
Small Interruptible	282,971	280,418	278,315	446,857	538,971	763,390	784,736	791,753	847,456	669,236	454,737	361,662	6,500,502
	\$0.01525	\$0.01525	\$0.01598	\$0.01671	\$0.01667	\$0.01667	\$0.01667	\$0.01667	\$0.01667	\$0.01667	\$0.01667	\$0.01667	\$0.01667
	\$4,315	\$4,276	\$4,447	\$7,467	\$8,985	\$12,726	\$13,082	\$13,199	\$14,127	\$11,156	\$7,580	\$6,029	\$107,389
Large Interruptible	1,103,829	1,399,093	1,471,637	1,568,347	1,927,388	2,420,542	2,442,186	2,052,943	2,632,773	1,694,281	1,283,344	1,708,686	21,705,049
	\$0.01525	\$0.01525	\$0.01598	\$0.01671	\$0.01667	\$0.01667	\$0.01667	\$0.01667	\$0.01667	\$0.01667	\$0.01667	\$0.01667	\$0.01667
	\$16,833	\$21,336	\$23,517	\$26,207	\$32,130	\$40,350	\$40,711	\$34,223	\$43,888	\$28,244	\$21,393	\$28,484	\$357,316
Total True-Up Revenue	\$31,560	\$36,487	\$31,292	\$15,700	\$11,715	\$8,098	(\$9,799)	(\$21,258)	(\$5,885)	\$4,340	\$9,618	\$25,832	\$137,700
Total Volume	2,996,036	3,365,991	3,378,489	7,160,596	10,874,026	16,136,830	20,822,359	21,618,159	21,235,348	12,344,631	7,422,277	4,971,400	132,326,142

Demand Expense	Jun '18	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Jan '19	Feb '19	Mar '19	Apr '19	May '19	Total
Total Demand	\$2,979,448	\$3,045,045	\$3,043,791	\$3,175,732	\$3,151,293	\$6,979,424	\$6,988,271	\$6,971,714	\$6,860,238	\$6,898,632	\$3,210,792	\$3,240,611	\$56,544,989
less Shared Transport Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General System Demand	\$2,979,448	\$3,045,045	\$3,043,791	\$3,175,732	\$3,151,293	\$6,979,424	\$6,988,271	\$6,971,714	\$6,860,238	\$6,898,632	\$3,210,792	\$3,240,611	\$56,544,989
General System Demand Allocation													
MN Design Day Allocator	87.57%	87.57%	87.57%	87.57%	87.57%	87.51%	87.51%	87.51%	87.51%	87.51%	87.51%	87.51%	87.51%
ND Design Day Allocator	12.43%	12.43%	12.43%	12.43%	12.43%	12.49%	12.49%	12.49%	12.49%	12.49%	12.49%	12.49%	12.49%
MN General System Demand Exp	\$2,609,103	\$2,666,546	\$2,665,447	\$2,780,988	\$2,759,587	\$6,107,694	\$6,115,436	\$6,100,947	\$6,003,394	\$6,036,993	\$2,809,764	\$2,835,859	\$49,491,757
ND General System Demand Exp	\$370,345	\$378,499	\$378,343	\$394,743	\$391,706	\$871,730	\$872,835	\$870,767	\$856,844	\$861,639	\$401,028	\$404,752	\$7,053,232
Penalty Credit Allocation													
Curtailment Penalty	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,669,664	(\$765,229)	\$0	\$0	\$0	\$884,434
Curtailment Penalty - Generation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Balancing Penalty	\$10,836	\$6,522	\$8,463	\$7,532	\$20,053	\$13,326	\$7,055	\$10,070	\$11,644	\$21,049	\$11,443	\$8,520	\$136,513
Total Penalty Credit	\$10,836	\$6,522	\$8,463	\$7,532	\$20,053	\$13,326	\$7,055	\$1,679,733	(\$773,585)	\$21,049	\$11,443	\$8,520	\$1,020,947
MN Penalty Credit (Design Day Alloc)	\$9,489	\$5,711	\$7,411	\$6,595	\$17,561	\$11,662	\$6,174	\$1,469,935	(\$678,964)	\$18,420	\$10,014	\$7,456	\$893,463
ND Penalty Credit (Design Day Alloc)	\$1,347	\$811	\$1,052	\$936	\$2,493	\$1,664	\$881	\$209,799	(\$96,621)	\$2,629	\$1,429	\$1,064	\$127,484
Total Demand Expense by State													
Total MN Demand Exp	\$2,609,103	\$2,666,546	\$2,665,447	\$2,780,988	\$2,759,587	\$6,107,694	\$6,115,436	\$6,100,947	\$6,003,394	\$6,036,993	\$2,809,764	\$2,835,859	\$49,491,757
less Penalty Credit - MN	\$9,489	\$5,711	\$7,411	\$6,595	\$17,561	\$11,662	\$6,174	\$1,469,935	(\$678,964)	\$18,420	\$10,014	\$7,456	\$893,463
Total MN Adjusted	\$2,599,614	\$2,660,835	\$2,658,036	\$2,774,393	\$2,742,026	\$6,096,032	\$6,109,262	\$4,631,012	\$6,680,358	\$6,018,573	\$2,799,750	\$2,828,403	\$48,598,294
Total ND Demand Exp	\$370,345	\$378,499	\$378,343	\$394,743	\$391,706	\$871,730	\$872,835	\$870,767	\$856,844	\$861,639	\$401,028	\$404,752	\$7,053,232
less Penalty Credit - ND	\$1,347	\$811	\$1,052	\$936	\$2,493	\$1,664	\$881	\$209,799	(\$96,621)	\$2,629	\$1,429	\$1,064	\$127,484
Total ND Adjusted	\$368,999	\$377,688	\$377,291	\$393,807	\$389,213	\$870,066	\$871,954	\$660,968	\$953,464	\$859,010	\$399,599	\$403,688	\$6,925,748
Commodity & Peakshaving Expense													
Comm & Pkg w/o Interruptible Cap Purch	\$6,974,920	\$7,512,172	\$7,834,573	\$8,508,961	\$20,900,269	\$39,635,274	\$54,097,464	\$57,127,228	\$44,853,532	\$40,105,383	\$17,621,409	\$8,914,454	\$314,085,639
Interruptible Capacity Purchases	\$0	\$0	\$0	\$0	\$3,551	\$7,649	\$771	\$68,983	\$37,717	\$12,791	\$47,664	\$524	\$179,650
Interruptible Shared Transport costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Kansas Tax (2009-2014)	\$29,487	\$24,212	\$25,864	\$29,753	\$56,541	\$106,451	\$159,864	\$179,266	\$153,546	\$125,830	\$69,633	\$40,018	\$1,000,465
Kansas Tax (Current Year)	\$24,162	\$19,890	\$21,012	\$24,625	\$46,561	\$87,054	\$129,769	\$123,382	\$105,253	\$87,252	\$48,005	\$27,812	\$744,778
Kansas Tax (Adjustment for Actual Bill)	\$0	\$0	\$0	\$0	\$0	\$0	(\$129,406)	\$0	\$0	\$0	\$0	\$0	(\$129,406)
Total Commodity & Peaking	\$7,028,570	\$7,556,274	\$7,881,449	\$8,563,339	\$21,006,923	\$39,836,427	\$54,258,462	\$57,498,859	\$45,150,047	\$40,331,256	\$17,786,712	\$9,962,809	\$315,881,126
MN Sales Allocator	85.43%	84.20%	84.45%	83.45%	85.91%	86.22%	85.65%	85.64%	86.06%	86.48%	86.83%	84.07%	
ND Sales Allocator	14.57%	15.80%	15.55%	16.55%	14.09%	13.78%	14.35%	14.36%	13.94%	13.52%	13.17%	15.93%	
MN Comm & Pkg w/o Interruptible Cap Purc	\$5,958,675	\$6,325,249	\$6,616,297	\$7,100,728	\$17,955,421	\$34,173,533	\$46,334,478	\$48,923,758	\$38,600,949	\$34,683,136	\$15,300,670	\$7,494,382	\$269,467,274
MN Interruptible Capacity Purchases	\$0	\$0	\$0	\$0	\$3,051	\$6,595	\$660	\$59,077	\$32,459	\$11,062	\$41,387	\$441	\$154,731
MN Interruptible Shared Transport costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MN Kansas Tax (2009-2014)	\$29,487	\$24,212	\$25,864	\$29,753	\$56,541	\$106,451	\$159,864	\$179,266	\$153,546	\$125,830	\$69,633	\$40,018	\$1,000,465
MN Kansas Tax (Current Year)	\$20,615	\$16,927	\$18,083	\$20,821	\$39,567	\$74,493	\$111,871	\$106,426	\$91,157	\$74,702	\$41,340	\$23,758	\$639,759
MN Kansas Tax (Adjustment for Actual Bill)	\$0	\$0	\$0	\$0	\$0	\$0	(\$110,836)	\$0	\$0	\$0	\$0	\$0	(\$110,836)
MN Comm & Peaking Expense	\$6,008,776	\$6,366,388	\$6,660,244	\$7,151,302	\$18,054,580	\$34,361,071	\$46,496,037	\$49,268,526	\$38,878,111	\$34,894,729	\$15,453,029	\$7,558,598	\$271,151,393
ND Comm & Pkg w/o Interruptible Cap Purc	\$1,016,246	\$1,186,923	\$1,218,276	\$1,408,233	\$2,944,848	\$5,461,741	\$7,762,986	\$8,203,470	\$6,252,582	\$5,422,248	\$2,320,740	\$1,420,073	\$44,618,365
ND Interruptible Capacity Purchases	\$0	\$0	\$0	\$0	\$500	\$1,054	\$111	\$9,906	\$5,258	\$1,729	\$6,277	\$83	\$24,919
ND Interruptible Shared Transport costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ND Kansas Tax	\$3,547	\$2,983	\$2,929	\$3,804	\$6,994	\$12,561	(\$672)	\$16,956	\$14,096	\$12,549	\$6,666	\$4,055	\$86,449
ND Comm & Peaking Expense	\$1,019,793	\$1,189,886	\$1,221,205	\$1,412,037	\$2,952,343	\$5,475,356	\$7,762,425	\$8,230,332	\$6,271,936	\$5,436,527	\$2,333,683	\$1,424,211	\$44,729,733

Expense	Jun '18	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Jan '19	Feb '19	Mar '19	Apr '19	May '19	Total
Commodity & Peaking	\$1,019,793	\$1,189,886	\$1,221,205	\$1,412,037	\$2,952,343	\$5,475,356	\$7,762,425	\$8,230,332	\$6,271,936	\$5,436,527	\$2,333,683	\$1,424,211	\$44,729,733
Demand	\$368,999	\$377,688	\$377,291	\$393,807	\$389,213	\$870,066	\$871,954	\$660,968	\$953,464	\$859,010	\$399,599	\$403,688	\$6,925,748
Total	\$1,388,792	\$1,567,574	\$1,598,496	\$1,805,845	\$3,341,556	\$6,345,421	\$8,634,379	\$8,891,301	\$7,225,401	\$6,295,537	\$2,733,281	\$1,827,899	\$51,655,481

Revenue	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Jan '19	Feb '19	Mar '19	Apr '19	May '19	Jun '19	Total
Commodity & Peaking	\$808,995	\$915,791	\$917,044	\$2,011,853	\$3,508,304	\$6,205,730	\$8,415,586	\$7,532,822	\$6,685,940	\$3,581,199	\$1,770,865	\$1,096,212	\$43,450,342
Demand	\$73,655	\$77,190	\$73,221	\$227,103	\$543,383	\$1,132,505	\$1,550,953	\$1,654,880	\$1,564,855	\$676,565	\$257,841	\$132,056	\$7,964,207
Total	\$882,650	\$992,981	\$990,265	\$2,238,956	\$4,051,687	\$7,338,235	\$9,966,539	\$9,187,702	\$8,250,795	\$4,257,764	\$2,028,706	\$1,228,268	\$51,414,549

Over/(Under)	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Jan '19	Feb '19	Mar '19	Apr '19	May '19	Jun '19	Total
Commodity & Peaking	(\$210,798)	(\$274,095)	(\$304,161)	\$599,816	\$555,961	\$730,375	\$653,161	(\$697,510)	\$414,004	(\$1,855,328)	(\$562,817)	(\$327,999)	(\$1,279,391)
Demand	(\$295,344)	(\$300,498)	(\$304,070)	(\$166,704)	\$154,170	\$262,439	\$678,999	\$993,912	\$611,391	(\$182,445)	(\$141,758)	(\$271,632)	\$1,038,459
Total	(\$506,142)	(\$574,593)	(\$608,231)	\$433,112	\$710,131	\$992,814	\$1,332,161	\$296,401	\$1,025,394	(\$2,037,773)	(\$704,575)	(\$599,631)	(\$240,932)

	Jun '18	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Jan '19	Feb '19	Mar '19	Apr '19	May '19	Total
Demand Expense	\$368,999	\$377,688	\$377,291	\$393,807	\$389,213	\$870,066	\$871,954	\$660,968	\$953,464	\$859,010	\$399,599	\$403,688	\$6,925,748

Annual Firm Billed Sales Allocator

Residential	42,767,890	41.08%
Commercial/Industrial	61,352,701	58.92%
Total	104,120,591	100.00%

Demand Expense Allocation to Class

Residential	\$151,585	\$155,154	\$154,991	\$161,776	\$159,889	\$357,423	\$358,199	\$271,526	\$391,683	\$352,881	\$164,155	\$165,835	\$2,845,097
Commercial/Industrial	\$217,414	\$222,534	\$222,300	\$232,031	\$229,324	\$512,643	\$513,755	\$389,443	\$561,781	\$506,129	\$235,444	\$237,853	\$4,080,651
Total Demand Expense	\$368,999	\$377,688	\$377,291	\$393,807	\$389,213	\$870,066	\$871,954	\$660,968	\$953,464	\$859,010	\$399,599	\$403,688	\$6,925,748

Demand Revenue	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Jan '19	Feb '19	Mar '19	Apr '19	May '19	Jun '19	Total
Residential	\$19,683	\$21,101	\$18,920	\$94,626	\$222,762	\$459,893	\$664,659	\$720,785	\$666,850	\$279,062	\$101,956	\$43,578	\$3,313,875
Commercial/Industrial	\$53,972	\$56,089	\$54,301	\$132,477	\$320,621	\$672,612	\$886,294	\$934,095	\$898,005	\$397,503	\$155,885	\$88,478	\$4,650,332
Total Demand Revenue	\$73,655	\$77,190	\$73,221	\$227,103	\$543,383	\$1,132,505	\$1,550,953	\$1,654,880	\$1,564,855	\$676,565	\$257,841	\$132,056	\$7,964,207

Demand Over/(Under)	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Jan '19	Feb '19	Mar '19	Apr '19	May '19	Jun '19	Total
Residential	(\$131,902)	(\$134,053)	(\$136,071)	(\$67,150)	\$62,873	\$102,470	\$306,460	\$449,259	\$275,167	(\$73,819)	(\$62,199)	(\$122,257)	\$468,778
Commercial/Industrial	(\$163,442)	(\$166,445)	(\$167,999)	(\$99,554)	\$91,297	\$159,969	\$372,539	\$544,652	\$336,224	(\$108,626)	(\$79,559)	(\$149,375)	\$569,681
Total Demand Over/(Under)	(\$295,344)	(\$300,498)	(\$304,070)	(\$166,704)	\$154,170	\$262,439	\$678,999	\$993,912	\$611,391	(\$182,445)	(\$141,758)	(\$271,632)	\$1,038,459

	Jun '18	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Jan '19	Feb '19	Mar '19	Apr '19	May '19	Total
Expense													
ND Comm. & Peaking Expense	\$1,019,793	\$1,189,886	\$1,221,205	\$1,412,037	\$2,952,343	\$5,475,356	\$7,762,425	\$8,230,332	\$6,271,936	\$5,436,527	\$2,333,683	\$1,424,211	\$44,729,733
less ND Interruptible Capacity Purch	\$0	\$0	\$0	\$0	(\$500)	(\$1,054)	(\$111)	(\$9,906)	(\$5,258)	(\$1,729)	(\$6,277)	(\$83)	(\$24,919)
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	\$1,019,793	\$1,189,886	\$1,221,205	\$1,412,037	\$2,951,842	\$5,474,302	\$7,762,314	\$8,220,426	\$6,266,678	\$5,434,797	\$2,327,405	\$1,424,127	\$44,704,815
Sales Allocator													
Residential	14.35%	13.70%	12.46%	29.94%	31.70%	32.60%	36.21%	37.82%	35.63%	33.35%	30.28%	19.26%	
Commercial/Industrial	39.36%	36.41%	35.75%	41.92%	45.62%	47.67%	48.29%	49.02%	47.98%	47.50%	46.30%	39.10%	
Small Interruptible	9.44%	8.33%	8.24%	6.24%	4.96%	4.73%	3.77%	3.66%	3.99%	5.42%	6.13%	7.27%	
Large Interruptible	36.84%	41.57%	43.56%	21.90%	17.72%	15.00%	11.73%	9.50%	12.40%	13.72%	17.29%	34.37%	
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%	
Commodity & Peakshaving Expense without Interruptible Capacity Purchases													
Residential	\$146,375	\$162,973	\$152,107	\$422,768	\$935,649	\$1,784,408	\$2,811,004	\$3,109,276	\$2,232,830	\$1,812,488	\$704,798	\$274,244	\$14,548,920
Commercial/Industrial	\$401,378	\$433,202	\$436,552	\$591,880	\$1,346,680	\$2,609,768	\$3,748,354	\$4,029,439	\$3,006,812	\$2,581,756	\$1,077,597	\$556,804	\$20,820,222
Small Interruptible	\$96,318	\$99,128	\$100,601	\$88,118	\$146,308	\$258,974	\$292,540	\$301,069	\$250,089	\$294,635	\$142,592	\$103,603	\$2,173,976
Large Interruptible	\$375,722	\$494,583	\$531,945	\$309,271	\$523,205	\$821,151	\$910,416	\$780,643	\$776,947	\$745,917	\$402,418	\$489,477	\$7,161,697
Total Comm & Peakshaving Exp	\$1,019,793	\$1,189,886	\$1,221,205	\$1,412,037	\$2,951,842	\$5,474,302	\$7,762,314	\$8,220,426	\$6,266,678	\$5,434,797	\$2,327,405	\$1,424,127	\$44,704,815
Sales Allocator													
Small Interruptible	20.40%	16.70%	15.90%	22.17%	21.85%	23.98%	24.32%	27.83%	24.35%	28.32%	26.16%	17.47%	
Large Interruptible	79.60%	83.30%	84.10%	77.83%	78.15%	76.02%	75.68%	72.17%	75.65%	71.68%	73.84%	82.53%	
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%	
Direct Assignment of Interruptible Capacity Purchase & Shared Transport Expenses													
Small Interruptible	\$0	\$0	\$0	\$0	\$109	\$253	\$27	\$2,757	\$1,280	\$490	\$1,642	\$15	\$6,573
Large Interruptible	\$0	\$0	\$0	\$0	\$391	\$801	\$84	\$7,149	\$3,977	\$1,240	\$4,635	\$69	\$18,346
Total Comm & Peakshaving Exp	\$0	\$0	\$0	\$0	\$500	\$1,054	\$111	\$9,906	\$5,258	\$1,729	\$6,277	\$83	\$24,919
Total Commodity & Peakshaving Expense													
Residential	\$146,375	\$162,973	\$152,107	\$422,768	\$935,649	\$1,784,408	\$2,811,004	\$3,109,276	\$2,232,830	\$1,812,488	\$704,798	\$274,244	\$14,548,920
Commercial/Industrial	\$401,378	\$433,202	\$436,552	\$591,880	\$1,346,680	\$2,609,768	\$3,748,354	\$4,029,439	\$3,006,812	\$2,581,756	\$1,077,597	\$556,804	\$20,820,222
Small Interruptible	\$96,318	\$99,128	\$100,601	\$88,118	\$146,417	\$259,227	\$292,567	\$303,826	\$251,370	\$295,125	\$144,234	\$103,618	\$2,180,549
Large Interruptible	\$375,722	\$494,583	\$531,945	\$309,271	\$523,596	\$821,952	\$910,500	\$787,792	\$780,925	\$747,157	\$407,054	\$489,546	\$7,180,043
Total Comm & Peakshaving Exp	\$1,019,793	\$1,189,886	\$1,221,205	\$1,412,037	\$2,952,343	\$5,475,356	\$7,762,425	\$8,230,332	\$6,271,936	\$5,436,527	\$2,333,683	\$1,424,211	\$44,729,733
Commodity & Peakshaving Revenue													
Residential	\$116,517	\$125,119	\$114,676	\$605,117	\$1,144,648	\$2,028,167	\$3,061,881	\$2,849,064	\$2,376,767	\$1,209,107	\$533,245	\$210,900	\$14,375,208
Commercial/Industrial	\$318,624	\$332,840	\$329,259	\$844,945	\$1,612,658	\$2,976,723	\$4,017,629	\$3,679,399	\$3,213,592	\$1,695,386	\$823,804	\$429,707	\$20,274,566
Small Interruptible	\$76,366	\$76,128	\$75,645	\$125,223	\$170,945	\$292,715	\$318,361	\$277,983	\$267,462	\$190,793	\$107,684	\$79,594	\$2,058,900
Large Interruptible	\$297,489	\$381,705	\$397,463	\$436,569	\$580,052	\$908,125	\$1,017,715	\$726,375	\$828,118	\$485,913	\$306,133	\$376,011	\$6,741,669
Total Comm & Peakshaving Rev	\$808,995	\$915,791	\$917,044	\$2,011,853	\$3,508,304	\$6,205,730	\$8,415,586	\$7,532,822	\$6,685,940	\$3,581,199	\$1,770,865	\$1,096,212	\$43,450,342
Commodity & Peakshaving - Over/(Under)													
Residential	(\$29,859)	(\$37,855)	(\$37,430)	\$182,348	\$208,999	\$243,759	\$250,877	(\$260,212)	\$143,938	(\$603,381)	(\$171,553)	(\$63,344)	(\$173,712)
Commercial/Industrial	(\$82,755)	(\$100,362)	(\$107,293)	\$253,065	\$265,978	\$366,954	\$269,275	(\$350,039)	\$206,780	(\$886,371)	(\$253,793)	(\$127,096)	(\$545,656)
Small Interruptible	(\$19,952)	(\$23,001)	(\$24,956)	\$37,105	\$24,528	\$33,488	\$25,794	(\$25,842)	\$16,092	(\$104,332)	(\$36,550)	(\$24,024)	(\$121,649)
Large Interruptible	(\$78,234)	(\$112,877)	(\$134,482)	\$127,298	\$56,456	\$86,173	\$107,215	(\$61,417)	\$47,194	(\$261,244)	(\$100,921)	(\$113,535)	(\$438,374)
Total Comm & Peak Over/(Under)	(\$210,798)	(\$274,095)	(\$304,161)	\$599,816	\$555,961	\$730,375	\$653,161	(\$697,510)	\$414,004	(\$1,855,328)	(\$562,817)	(\$327,999)	(\$1,279,391)

Northern States Power Company
 Gas Operations - State of ND
 COG REVENUE: July 2018 - June 2019
 Actual Cost of Gas Revenue
 Filed August 30, 2019

Schedule E
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	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Jan '19	Feb '19	Mar '19	Apr '19	May '19	Jun '19	Total
Residential	\$136,200	\$146,220	\$133,596	\$699,743	\$1,367,410	\$2,488,060	\$3,726,540	\$3,569,849	\$3,043,617	\$1,488,169	\$635,201	\$254,478	\$17,689,083
Sm Commercial/Industrial	\$372,596	\$388,929	\$383,560	\$977,422	\$1,933,279	\$3,649,335	\$4,903,923	\$4,613,494	\$4,111,597	\$2,092,889	\$979,689	\$518,185	\$24,924,898
Small Interruptible	\$76,366	\$76,128	\$75,645	\$125,223	\$170,945	\$292,715	\$318,361	\$277,983	\$267,462	\$190,793	\$107,684	\$79,594	\$2,058,900
Large Interruptible	\$297,489	\$381,705	\$397,463	\$436,569	\$580,052	\$908,125	\$1,017,715	\$726,375	\$828,118	\$485,913	\$306,133	\$376,011	\$6,741,669
Total	\$882,650	\$992,981	\$990,265	\$2,238,956	\$4,051,687	\$7,338,235	\$9,966,539	\$9,187,702	\$8,250,795	\$4,257,764	\$2,028,706	\$1,228,268	\$51,414,549

Northern States Power Company
 Gas Operations - State of ND
 DEMAND REVENUE: July 2018 - June 2019
 Actual Therm Sales x Prorated Demand Component
 Filed August 30, 2019

Schedule E
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Class	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Jan '19	Feb '19	Mar '19	Apr '19	May '19	Jun '19	Total
Residential	430,032	461,024	420,806	2,143,905	3,446,754	5,259,974	7,540,501	8,176,805	7,566,196	4,116,897	2,247,656	957,340	42,767,890
	\$0.04577	\$0.04577	\$0.04496	\$0.04414	\$0.06463	\$0.08743	\$0.08815	\$0.08815	\$0.08814	\$0.06778	\$0.04536	\$0.04552	
	\$19,683	\$21,101	\$18,920	\$94,626	\$222,762	\$459,893	\$664,659	\$720,785	\$666,850	\$279,062	\$101,956	\$43,578	\$3,313,875
Commercial/Industrial	1,179,204	1,225,456	1,207,731	3,001,487	4,960,913	7,692,924	10,054,936	10,596,658	10,188,923	5,864,217	3,436,540	1,943,712	61,352,701
	\$0.04577	\$0.04577	\$0.04496	\$0.04414	\$0.06463	\$0.08743	\$0.08815	\$0.08815	\$0.08814	\$0.06778	\$0.04536	\$0.04552	
	\$53,972	\$56,089	\$54,301	\$132,477	\$320,621	\$672,612	\$886,294	\$934,095	\$898,005	\$397,503	\$155,885	\$88,478	\$4,650,332
Demand Revenue	\$73,655	\$77,190	\$73,221	\$227,103	\$543,383	\$1,132,505	\$1,550,953	\$1,654,880	\$1,564,855	\$676,565	\$257,841	\$132,056	\$7,964,207
Total Demand Revenue	\$73,655	\$77,190	\$73,221	\$227,103	\$543,383	\$1,132,505	\$1,550,953	\$1,654,880	\$1,564,855	\$676,565	\$257,841	\$132,056	\$7,964,207

Class	Jul '18	Aug '18	Sep '18	Oct '18	Nov '18	Dec '18	Jan '19	Feb '19	Mar '19	Apr '19	May '19	Jun '19	Total
Residential													
Total Revenue	\$136,200	\$146,220	\$133,596	\$699,743	\$1,367,410	\$2,488,060	\$3,726,540	\$3,569,849	\$3,043,617	\$1,488,169	\$635,201	\$254,478	\$17,689,083
less Demand Revenue	\$19,683	\$21,101	\$18,920	\$94,626	\$222,762	\$459,893	\$664,659	\$720,785	\$666,850	\$279,062	\$101,956	\$43,578	\$3,313,875
Commodity & Peakshaving Revenue	\$116,517	\$125,119	\$114,676	\$605,117	\$1,144,648	\$2,028,167	\$3,061,881	\$2,849,064	\$2,376,767	\$1,209,107	\$533,245	\$210,900	\$14,375,208
Commercial/Industrial													
Total Revenue	\$372,596	\$388,929	\$383,560	\$977,422	\$1,933,279	\$3,649,335	\$4,903,923	\$4,613,494	\$4,111,597	\$2,092,889	\$979,689	\$518,185	\$24,924,898
less Demand Revenue	\$53,972	\$56,089	\$54,301	\$132,477	\$320,621	\$672,612	\$886,294	\$934,095	\$898,005	\$397,503	\$155,885	\$88,478	\$4,650,332
Commodity & Peakshaving Revenue	\$318,624	\$332,840	\$329,259	\$844,945	\$1,612,658	\$2,976,723	\$4,017,629	\$3,679,399	\$3,213,592	\$1,695,386	\$823,804	\$429,707	\$20,274,566
Small Interruptible													
Commodity & Peakshaving Revenue	\$76,366	\$76,128	\$75,645	\$125,223	\$170,945	\$292,715	\$318,361	\$277,983	\$267,462	\$190,793	\$107,684	\$79,594	\$2,058,900
Large Interruptible													
Commodity & Peakshaving Revenue	\$297,489	\$381,705	\$397,463	\$436,569	\$580,052	\$908,125	\$1,017,715	\$726,375	\$828,118	\$485,913	\$306,133	\$376,011	\$6,741,669
Commodity & Peakshaving Revenue	\$808,995	\$915,791	\$917,044	\$2,011,853	\$3,508,304	\$6,205,730	\$8,415,586	\$7,532,822	\$6,685,940	\$3,581,199	\$1,770,865	\$1,096,212	\$43,450,342
Demand Revenue	\$73,655	\$77,190	\$73,221	\$227,103	\$543,383	\$1,132,505	\$1,550,953	\$1,654,880	\$1,564,855	\$676,565	\$257,841	\$132,056	\$7,964,207
Total Revenue	\$882,650	\$992,981	\$990,265	\$2,238,956	\$4,051,687	\$7,338,235	\$9,966,539	\$9,187,702	\$8,250,795	\$4,257,764	\$2,028,706	\$1,228,268	\$51,414,549

JUL					AUG				SEP			
Cycle	Date	On	Days	Factor	Date	On	Days	Factor	Date	On	Days	Factor
1	2-Jul	1	31		1-Aug	0	30					
2	3-Jul	2	29		2-Aug	1	30					
3	5-Jul	4	30		3-Aug	2	29		4-Sep	3	32	
4	6-Jul	5	30		6-Aug	5	31		5-Sep	4	30	
5	9-Jul	8	32		7-Aug	6	29		6-Sep	5	30	
6	10-Jul	9	32		8-Aug	7	29		7-Sep	6	30	
7	11-Jul	10	30		9-Aug	8	29		10-Sep	9	32	
8	12-Jul	11	30		10-Aug	9	29		11-Sep	10	32	
9	13-Jul	12	30		13-Aug	12	31		12-Sep	11	30	
10	16-Jul	15	32		14-Aug	13	29		13-Sep	12	30	
11	17-Jul	16	32		15-Aug	14	29		14-Sep	13	30	
12	18-Jul	17	30		16-Aug	15	29		17-Sep	16	32	
13	19-Jul	18	30		17-Aug	16	29		18-Sep	17	32	
14	20-Jul	19	30		20-Aug	19	31		19-Sep	18	30	
15	23-Jul	22	32		21-Aug	20	29		20-Sep	19	30	
16	24-Jul	23	32		22-Aug	21	29		21-Sep	20	30	
17	25-Jul	24	30		23-Aug	22	29		24-Sep	23	32	
18	26-Jul	25	30		24-Aug	23	29		25-Sep	24	32	
19	27-Jul	26	30		27-Aug	26	31		26-Sep	25	30	
20	30-Jul	29	32		28-Aug	27	29		27-Sep	26	30	
21	31-Jul	30	32		29-Aug	28	29		28-Sep	27	30	
1					30-Aug	29	29					
2					31-Aug	29	29					
Total		326	646	0.5046		352	677	0.5199		288	584	0.4932

OCT					NOV				DEC			
Cycle	Date	On	Days	Factor	Date	On	Days	Factor	Date	On	Days	Factor
1	1-Oct	0	32									
2	2-Oct	1	32						3-Dec	2	33	
3	3-Oct	2	29		1-Nov	0	29		4-Dec	3	33	
4	4-Oct	3	29		2-Nov	1	29		5-Dec	4	33	
5	5-Oct	4	29		5-Nov	4	31		6-Dec	5	31	
6	8-Oct	7	31		6-Nov	5	29		7-Dec	6	31	
7	9-Oct	8	29		7-Nov	6	29		10-Dec	9	33	
8	10-Oct	9	29		8-Nov	7	29		11-Dec	10	33	
9	11-Oct	10	29		9-Nov	8	29		12-Dec	11	33	
10	12-Oct	11	29		12-Nov	11	31		13-Dec	12	31	
11	15-Oct	14	31		13-Nov	12	29		14-Dec	13	31	
12	16-Oct	15	29		14-Nov	13	29		17-Dec	16	33	
13	17-Oct	16	29		15-Nov	14	29		18-Dec	17	33	
14	18-Oct	17	29		16-Nov	15	29		19-Dec	18	33	
15	19-Oct	18	29		19-Nov	18	31		20-Dec	19	31	
16	22-Oct	21	31		20-Nov	19	29		21-Dec	20	31	
17	23-Oct	22	29		21-Nov	20	29		26-Dec	25	35	
18	24-Oct	23	29		26-Nov	25	33		27-Dec	26	31	
19	25-Oct	24	29		27-Nov	26	33		28-Dec	27	31	
20	26-Oct	25	29		28-Nov	27	33		31-Dec	30	33	
21	29-Oct	28	31		29-Nov	28	31					
1	30-Oct	29	29		30-Nov	29	31					
2	31-Oct	29	29									
Total		336	681	0.4934		288	602	0.4784		273	613	0.4454

Cycle	JAN				FEB				MAR			
	Date	On	Days	Factor	Date	On	Days	Factor	Date	On	Days	Factor
20									1-Mar	0	30	
21	2-Jan	1	34						4-Mar	3	32	
1	3-Jan	2	34		1-Feb	0	29		5-Mar	4	32	
2	4-Jan	3	32		4-Feb	3	31		6-Mar	5	30	
3	7-Jan	6	34		5-Feb	4	29		7-Mar	6	30	
4	8-Jan	7	34		6-Feb	5	29		8-Mar	7	30	
5	9-Jan	8	34		7-Feb	6	29		11-Mar	10	32	
6	10-Jan	9	34		8-Feb	7	29		12-Mar	11	32	
7	11-Jan	10	32		11-Feb	10	31		13-Mar	12	30	
8	14-Jan	13	34		12-Feb	11	29		14-Mar	13	30	
9	15-Jan	14	34		13-Feb	12	29		15-Mar	14	30	
10	16-Jan	15	34		14-Feb	13	29		18-Mar	17	32	
11	17-Jan	16	34		15-Feb	14	29		19-Mar	18	32	
12	18-Jan	17	32		19-Feb	18	32		20-Mar	19	29	
13	21-Jan	20	34		20-Feb	19	30		21-Mar	20	29	
14	22-Jan	21	34		21-Feb	20	30		22-Mar	21	29	
15	23-Jan	22	34		22-Feb	21	30		25-Mar	24	31	
16	24-Jan	23	34		25-Feb	24	32		26-Mar	25	29	
17	25-Jan	24	30		26-Feb	25	32		27-Mar	26	29	
18	28-Jan	27	32		27-Feb	26	30		28-Mar	27	29	
19	29-Jan	28	32		28-Feb	27	30		29-Mar	28	29	
20	30-Jan	29	30									
21	31-Jan	29	29									
Total		344	725	0.4745		265	569	0.4657		310	636	0.4874

Cycle	APR				MAY				JUN			
	Date	On	Days	Factor	Date	On	Days	Factor	Date	On	Days	Factor
20	1-Apr	0	31									
21	2-Apr	1	29		1-May	0	29					
1	3-Apr	2	29		2-May	1	29		3-Jun	2	32	
2	4-Apr	3	29		3-May	2	29		4-Jun	3	32	
3	5-Apr	4	29		6-May	5	31		5-Jun	4	30	
4	8-Apr	7	31		7-May	6	29		6-Jun	5	30	
5	9-Apr	8	29		8-May	7	29		7-Jun	6	30	
6	10-Apr	9	29		9-May	8	29		10-Jun	9	32	
7	11-Apr	10	29		10-May	9	29		11-Jun	10	32	
8	12-Apr	11	29		13-May	12	31		12-Jun	11	30	
9	15-Apr	14	31		14-May	13	29		13-Jun	12	30	
10	16-Apr	15	29		15-May	14	29		14-Jun	13	30	
11	17-Apr	16	29		16-May	15	29		17-Jun	16	32	
12	18-Apr	17	29		17-May	16	29		18-Jun	17	32	
13	19-Apr	18	29		20-May	19	31		19-Jun	18	30	
14	22-Apr	21	31		21-May	20	29		20-Jun	19	30	
15	23-Apr	22	29		22-May	21	29		21-Jun	20	30	
16	24-Apr	23	29		23-May	22	29		24-Jun	23	32	
17	25-Apr	24	29		24-May	23	29		25-Jun	24	32	
18	26-Apr	25	29		28-May	27	32		26-Jun	25	29	
19	29-Apr	28	31		29-May	28	30		27-Jun	26	29	
20	30-Apr	29	29		30-May	29	30		28-Jun	27	29	
21					31-May	30	30					
1												
Total		307	648	0.4738		327	650	0.5031		290	613	0.4731

Northern States Power Company
 Gas Operations - State of ND
 WEIGHTED AVERAGE DEMAND RATE CALCULATION: July 2018 - June 2019
 Filed August 30, 2019

Mo	Description	Multiplier	Demand
JUL	Previous	0.0000	\$0.04577
	Old	0.4954	\$0.04577
	New	0.5046	\$0.04577
	Weighted	1.0000	\$0.04577
AUG	Previous	0.0000	\$0.04577
	Old	0.4801	\$0.04577
	New	0.5199	\$0.04577
	Weighted	1.0000	\$0.04577
SEP	Previous	0.0000	\$0.04577
	Old	0.5068	\$0.04577
	New	0.4932	\$0.04413
	Weighted	1.0000	\$0.04496
OCT	Previous	0.0044	\$0.04577
	Old	0.5022	\$0.04413
	New	0.4934	\$0.04413
	Weighted	1.0000	\$0.04414
NOV	Previous	0.0000	\$0.04413
	Old	0.5216	\$0.04413
	New	0.4784	\$0.08698
	Weighted	1.0000	\$0.06463
DEC	Previous	0.0016	\$0.04413
	Old	0.5530	\$0.08698
	New	0.4454	\$0.08815
	Weighted	1.0000	\$0.08743
JAN	Previous	0.0041	\$0.08698
	Old	0.5214	\$0.08815
	New	0.4745	\$0.08815
	Weighted	1.0000	\$0.08815
FEB	Previous	0.0000	\$0.08815
	Old	0.5343	\$0.08815
	New	0.4657	\$0.08815
	Weighted	1.0000	\$0.08815
MAR	Previous	0.0047	\$0.08815
	Old	0.5079	\$0.08815
	New	0.4874	\$0.08812
	Weighted	1.0000	\$0.08814
APR	Previous	0.0000	\$0.08815
	Old	0.5262	\$0.08812
	New	0.4738	\$0.04520
	Weighted	1.0000	\$0.06778
MAY	Previous	0.0000	\$0.08812
	Old	0.4969	\$0.04520
	New	0.5031	\$0.04552
	Weighted	1.0000	\$0.04536
JUN	Previous	0.0000	\$0.04520
	Old	0.5269	\$0.04552
	New	0.4731	\$0.04552
	Weighted	1.0000	\$0.04552

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Northern States Power Company
 Gas Operations - State of MN and State of ND
 GAS COST EXPENSE SUMMARY: June 2018 - May 2019
 Filed August 30, 2019

Schedule H
 Page 1 of 1

	<u>Jun '18</u>	<u>Jul '18</u>	<u>Aug '18</u>	<u>Sep '18</u>	<u>Oct '18</u>	<u>Nov '18</u>	<u>Dec '18</u>	<u>Jan '19</u>	<u>Feb '19</u>	<u>Mar '19</u>	<u>Apr '19</u>	<u>May '19</u>	<u>Total</u>
Demand Expense	\$2,979,448	\$3,045,045	\$3,043,791	\$3,175,732	\$3,151,293	\$6,979,424	\$6,988,271	\$6,971,714	\$6,860,238	\$6,898,632	\$3,210,792	\$3,240,611	\$56,544,989
Commodity Expense	\$6,820,135	\$7,485,832	\$8,103,676	\$8,561,863	\$20,843,542	\$39,793,967	\$54,182,561	\$57,409,165	\$44,677,890	\$40,104,369	\$17,713,496	\$8,908,031	\$314,604,527
LNG													
LPG													
<u>Bolloff</u>													
Peakshaving Exp	\$208,435	\$70,442	(\$222,226)	\$1,477	\$163,381	\$42,460	\$75,900	\$69,694	\$472,158	\$226,886	\$73,216	\$74,777	\$1,276,599
Total	\$10,008,018	\$10,601,320	\$10,925,240	\$11,739,071	\$24,158,216	\$46,815,851	\$61,246,733	\$64,470,572	\$52,010,285	\$47,229,888	\$20,997,503	\$12,223,420	\$372,426,116

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, 2018 to June 30, 2019, and Independent Accountants' Report



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INDEPENDENT ACCOUNTANTS' 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, 2018 to June 30, 2019, to determine whether it has been calculated in accordance with 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. The Company's management is responsible for the Schedule. 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 presented fairly, in all material respects, with the accounting for the Purchased Gas Adjustment (PGA) in accordance with North Dakota Public Service Commission (the "Commission") rules governing automatic adjustment of energy charges, and with the PGA Riders as defined in the North Dakota Gas Rate Book. 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.

In our opinion, the Schedule for the period from July 1, 2018 to June 30, 2019, is calculated in accordance with the criteria established by the North Dakota Administrative Code Chapter 69-09-01-30 governing automatic adjustment of energy charges, and with the PGA 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 28, 2019

NORTHERN STATES POWER COMPANY, A MINNESOTA CORPORATION
 SCHEDULE OF MONTHLY AND ANNUAL COST OF GAS RIDER FACTORS
 FOR THE PERIOD FROM JULY 1, 2018 TO JUNE 30, 2019
 (DOLLARS PER THERM)

	State of North Dakota		
	Residential	Commercial Industrial	Small & Large Interruptible
July 1, 2018	\$0.32381	\$0.32740	\$0.28945
August 1, 2018	\$0.31864	\$0.32223	\$0.28428
September 1, 2018	\$0.31267	\$0.31900	\$0.29249
October 1, 2018	\$0.32240	\$0.32873	\$0.30222
November 1, 2018	\$0.43614	\$0.44245	\$0.37305
December 1, 2018	\$0.51707	\$0.52338	\$0.45281
January 1, 2019	\$0.44831	\$0.45462	\$0.38405
February 1, 2019	\$0.39869	\$0.40500	\$0.33443
March 1, 2019	\$0.38754	\$0.39385	\$0.32331
April 1, 2019	\$0.28255	\$0.28886	\$0.26124
May 1, 2019	\$0.25912	\$0.26543	\$0.23749
June 1, 2019	\$0.25512	\$0.26143	\$0.23349
Annual true-up filing June 30, 2019	(\$0.00686)	(0.00075)	\$0.01935

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.