



414 Nicollet Mall
Minneapolis, MN 55401

September 1, 2017

Darrell Nitschke
Executive Secretary and Director of Administration
North Dakota Public Service Commission
600 East Boulevard, Dept. 408
Bismarck, ND 58505-0408

Re: 2017 ANNUAL COST OF GAS ADJUSTMENT (COG) TRUE-UP FILING

Dear Mr. Nitschke:

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

<u>Cost of Gas Recovery Period: July 2016 - June 2017</u>	<u>Residential</u>	<u>C&I</u>	<u>Interruptible</u>	<u>Total</u>	<u>Ref.</u>
1 COG Expense	\$12,928,858	\$18,826,507	\$7,114,513	\$38,869,879	Sch D2
2 COG Revenue	<u>\$12,818,542</u>	<u>\$18,472,336</u>	<u>\$6,700,132</u>	<u>\$37,991,010</u>	Sch E1
3 Subtotal: Excess(Deficient) COG Recovery	<u>(\$110,317)</u>	<u>(\$354,172)</u>	<u>(\$414,381)</u>	<u>(\$878,869)</u>	Line 1 + Line 2
4 Excess(Deficient) COG Recovery in Prior Period (Jul-2015 - Jun-2016)	(\$242,741)	(\$525,722)	(\$207,909)	(\$976,373)	True-Up*
5 Net True-up Charges/Credits Related to Prior Period	<u>\$211,226</u>	<u>\$489,981</u>	<u>\$283,633</u>	<u>\$984,840</u>	Sch C
6 Subtotal: Excess (Deficient) True-Up of Prior Period	<u>(\$31,515)</u>	<u>(\$35,741)</u>	<u>\$75,724</u>	<u>\$8,467</u>	Line 4 + Line 5
7 Net Excess (Deficient) COG Recovery (Jul-2016 - Jun-2017)	(\$141,832)	(\$389,913)	(\$338,657)	(\$870,402)	Line 3 + Line 6
8 Carrying Charges	<u>(\$46)</u>	<u>(\$148)</u>	<u>(\$173)</u>	<u>(\$368)</u>	Sch G
9 Total Excess (Deficient) COG Recovery (Jul-2016 - Jun-2017)	<u>(\$141,878)</u>	<u>(\$390,061)</u>	<u>(\$338,831)</u>	<u>(\$870,770)</u>	Line 7 + Line 8
10 Forecasted Therms for Next True-Up Period (Sept-2017 - Aug-2018)	36,914,569	52,466,930	22,221,242	111,602,742	Sch B
True-Up Factor (\$/therm) effective 9/1/2017 - 8/31/2018	\$0.00384	\$0.00743	\$0.01525		Line 9 / Line 10

* Previous True-Up filing submitted 9/1/16

Firm Sales	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	Total
Residential	395,790	450,999	453,674	1,034,554	1,858,551	3,855,692	7,790,675	5,537,212	5,620,698	2,972,209	1,857,125	844,213	32,671,392
Commercial/Industrial	1,137,846	1,112,464	1,234,583	1,852,927	2,976,975	6,177,158	9,757,141	7,209,148	7,659,189	4,128,124	2,943,484	1,707,121	47,896,160
Interdepartmental	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial Firm	1,137,846	1,112,464	1,234,583	1,852,927	2,976,975	6,177,158	9,757,141	7,209,148	7,659,189	4,128,124	2,943,484	1,707,121	47,896,160
Total Firm Sales (therms)	1,533,636	1,563,463	1,688,257	2,887,481	4,835,526	10,032,850	17,547,816	12,746,360	13,279,887	7,100,333	4,800,609	2,551,334	80,567,551

Interruptible Sales	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	Total
Small Interruptible	241,495	269,306	239,012	310,906	494,991	554,114	916,872	739,850	928,173	536,521	473,785	379,658	6,084,683
Large Interruptible	1,321,055	1,259,144	1,196,664	1,097,806	1,455,845	1,212,165	2,098,598	1,575,590	1,562,980	1,291,346	1,042,834	1,368,108	16,482,135
Total Interruptible Sales (therms)	1,562,550	1,528,450	1,435,676	1,408,712	1,950,836	1,766,279	3,015,470	2,315,440	2,491,153	1,827,867	1,516,619	1,747,766	22,566,818

Total North Dakota Sales (therms)	3,096,186	3,091,913	3,123,933	4,296,193	6,786,362	11,799,129	20,563,286	15,061,800	15,771,040	8,928,200	6,317,228	4,299,100	103,134,369
ND Transportation	507,460	544,000	475,040	543,560	789,600	520,570	856,090	745,400	768,510	886,640	829,760	588,520	8,055,150

State of MN	Total Dekatherms
Residential	35,656,433
Commercial/Industrial	19,691,280
<u>Demand Billed</u>	<u>2,669,817</u>
Total Firm	58,017,530
Small Interruptible	2,144,277
<u>Medium and Large Interruptible</u>	<u>7,713,763</u>
Total Interruptible	9,858,040
Total MN Sales (Dekatherms)	67,875,570
Demand Billed Demand	299,474

State of ND	Total Dekatherms
Residential	3,691,457
<u>Commercial & Industrial</u>	<u>5,246,693</u>
Total Firm	8,938,150
Small Interruptible	658,369
<u>Large Interruptible</u>	<u>1,563,755</u>
Total Interruptible	2,222,124
Total ND Sales (Dekatherms)	11,160,274

Class	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	Total
Residential	395,790	450,999	453,674	1,034,554	1,858,551	3,855,692	7,790,675	5,537,212	5,620,698	2,972,209	1,857,125	844,213	32,671,392
	\$0.00514	\$0.00514	\$0.00584	\$0.00651	\$0.00651	\$0.00651	\$0.00651	\$0.00651	\$0.00651	\$0.00651	\$0.00651	\$0.00651	
	\$2,034	\$2,318	\$2,649	\$6,735	\$12,099	\$25,101	\$50,717	\$36,047	\$36,591	\$19,349	\$12,090	\$5,496	\$211,226
Commercial/Industrial	1,137,846	1,112,464	1,234,583	1,852,927	2,976,975	6,177,158	9,757,141	7,209,148	7,659,189	4,128,124	2,943,484	1,707,121	47,896,160
	\$0.00629	\$0.00629	\$0.00842	\$0.01048	\$0.01048	\$0.01048	\$0.01048	\$0.01048	\$0.01048	\$0.01048	\$0.01048	\$0.01048	
	\$7,157	\$6,997	\$10,395	\$19,419	\$31,199	\$64,737	\$102,255	\$75,552	\$80,268	\$43,263	\$30,848	\$17,891	\$489,981
Small Interruptible	241,495	269,306	239,012	310,906	494,991	554,114	916,872	739,850	928,173	536,521	473,785	379,658	6,084,683
	\$0.02725	\$0.02725	\$0.01826	\$0.00960	\$0.00960	\$0.00960	\$0.00960	\$0.00960	\$0.00960	\$0.00960	\$0.00960	\$0.00960	
	\$6,581	\$7,339	\$4,364	\$2,985	\$4,752	\$5,319	\$8,802	\$7,103	\$8,910	\$5,151	\$4,548	\$3,645	\$69,499
Large Interruptible	1,321,055	1,259,144	1,196,664	1,097,806	1,455,845	1,212,165	2,098,598	1,575,590	1,562,980	1,291,346	1,042,834	1,368,108	16,482,135
	\$0.02725	\$0.02725	\$0.01826	\$0.00960	\$0.00960	\$0.00960	\$0.00960	\$0.00960	\$0.00960	\$0.00960	\$0.00960	\$0.00960	
	\$35,999	\$34,312	\$21,851	\$10,539	\$13,976	\$11,637	\$20,147	\$15,126	\$15,005	\$12,397	\$10,011	\$13,134	\$214,134
Total True-Up Revenue	\$51,771	\$50,966	\$39,259	\$39,678	\$62,026	\$106,794	\$181,921	\$133,828	\$140,774	\$80,160	\$57,497	\$40,166	\$984,840
Total Volume	3,096,186	3,091,913	3,123,933	4,296,193	6,786,362	11,799,129	20,563,286	15,061,800	15,771,040	8,928,200	6,317,228	4,299,100	103,134,369

Demand Expense	Jun '16	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Total
Total Demand	\$3,012,100	\$2,893,902	\$2,900,328	\$3,039,835	\$3,027,767	\$6,831,844	\$6,164,640	\$6,853,611	\$6,822,536	\$6,762,110	\$3,043,924	\$3,012,280	\$54,364,877
less Shared Transport Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$68,107	\$65,117	\$0	\$0	\$0	\$0	\$133,224
General System Demand	\$3,012,100	\$2,893,902	\$2,900,328	\$3,039,835	\$3,027,767	\$6,831,844	\$6,096,532	\$6,788,494	\$6,822,536	\$6,762,110	\$3,043,924	\$3,012,280	\$54,231,653
<u>General System Demand Allocation</u>													
MN Design Day Allocator	87.99%	87.99%	87.99%	87.99%	87.99%	87.98%	87.98%	87.98%	87.98%	87.98%	87.98%	87.98%	87.98%
ND Design Day Allocator	12.01%	12.01%	12.01%	12.01%	12.01%	12.02%	12.02%	12.02%	12.02%	12.02%	12.02%	12.02%	12.02%
MN General System Demand Exp	\$2,650,347	\$2,546,345	\$2,551,998	\$2,674,751	\$2,664,132	\$6,010,656	\$5,363,729	\$5,972,517	\$6,002,467	\$5,949,305	\$2,678,044	\$2,650,204	\$47,714,496
ND General System Demand Exp	\$361,753	\$347,558	\$348,329	\$365,084	\$363,635	\$821,188	\$732,803	\$815,977	\$820,069	\$812,806	\$365,880	\$362,076	\$6,517,157
<u>Penalty Credit Allocation</u>													
Curtailment Penalty	\$0	\$0	\$0	\$0	\$0	\$0	\$6,272	(\$1,346)	\$0	\$0	\$0	\$0	\$4,926
Curtailment Penalty - Generation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Balancing Penalty	\$5,420	\$6,380	\$4,298	\$7,058	\$8,149	\$14,565	\$17,215	\$32,517	\$11,207	\$8,424	\$5,885	\$10,416	\$131,536
Total Penalty Credit	\$5,420	\$6,380	\$4,298	\$7,058	\$8,149	\$14,565	\$23,487	\$31,171	\$11,207	\$8,424	\$5,885	\$10,416	\$136,461
MN Penalty Credit (Design Day Alloc)	\$4,769	\$5,614	\$3,782	\$6,210	\$7,171	\$12,815	\$20,664	\$27,424	\$9,860	\$7,412	\$5,178	\$9,164	\$120,062
ND Penalty Credit (Design Day Alloc)	\$651	\$766	\$516	\$848	\$979	\$1,751	\$2,823	\$3,747	\$1,347	\$1,013	\$707	\$1,252	\$16,400
<u>Total Demand Expense by State</u>													
Total MN Demand Exp	\$2,650,347	\$2,546,345	\$2,551,998	\$2,674,751	\$2,664,132	\$6,010,656	\$5,363,729	\$5,972,517	\$6,002,467	\$5,949,305	\$2,678,044	\$2,650,204	\$47,714,496
less Penalty Credit - MN	\$4,769	\$5,614	\$3,782	\$6,210	\$7,171	\$12,815	\$20,664	\$27,424	\$9,860	\$7,412	\$5,178	\$9,164	\$120,062
Total MN Adjusted	\$2,645,578	\$2,540,731	\$2,548,216	\$2,668,540	\$2,656,962	\$5,997,842	\$5,343,065	\$5,945,093	\$5,992,607	\$5,941,893	\$2,672,866	\$2,641,040	\$47,594,434
Total ND Demand Exp	\$361,753	\$347,558	\$348,329	\$365,084	\$363,635	\$821,188	\$732,803	\$815,977	\$820,069	\$812,806	\$365,880	\$362,076	\$6,517,157
less Penalty Credit - ND	\$651	\$766	\$516	\$848	\$979	\$1,751	\$2,823	\$3,747	\$1,347	\$1,013	\$707	\$1,252	\$16,400
Total ND Adjusted	\$361,102	\$346,791	\$347,813	\$364,237	\$362,656	\$819,437	\$729,980	\$812,230	\$818,722	\$811,793	\$365,172	\$360,824	\$6,500,758
<u>Commodity & Peakshaving Expense</u>													
Comm & Pkg w/o Interruptible Cap Purch	\$5,307,285	\$7,111,172	\$6,818,682	\$7,397,344	\$13,651,483	\$18,159,651	\$44,416,517	\$48,625,804	\$30,519,462	\$27,285,311	\$15,597,795	\$9,909,506	\$234,800,012
Interruptible Capacity Purchases	\$0	\$0	\$179	\$0	\$3,173	\$4,522	\$5,933	\$11,245	\$946	\$2,437	\$8,736	\$751	\$37,921
Interruptible Shared Transport costs	\$0	\$0	\$0	\$0	\$0	\$0	\$68,107	\$65,117	\$0	\$0	\$0	\$0	\$133,224
Kansas Tax (2009-2014)	\$27,554	\$26,091	\$30,380	\$57,699	\$106,452	\$155,742	\$175,119	\$148,200	\$125,773	\$71,279	\$46,859	\$30,052	\$1,001,200
Kansas Tax (Current Year)	\$17,451	\$16,452	\$19,123	\$36,437	\$67,124	\$98,164	\$92,225	\$77,589	\$66,483	\$37,420	\$24,833	\$15,603	\$568,904
Kansas Tax (Adjustment for Actual Bill)	\$0	\$0	\$0	\$0	\$0	\$0	(\$97,080)	\$0	\$0	\$0	\$0	\$0	(\$97,080)
Total Commodity & Peaking	\$5,352,290	\$7,153,714	\$6,868,364	\$7,491,480	\$13,828,232	\$18,418,079	\$44,660,821	\$48,927,956	\$30,712,664	\$27,396,447	\$15,678,223	\$9,955,912	\$236,444,182
MN Sales Allocator	84.85%	85.17%	84.51%	84.73%	85.64%	86.42%	86.62%	86.65%	85.79%	87.15%	86.59%	85.45%	
ND Sales Allocator	15.15%	14.83%	15.49%	15.27%	14.36%	13.58%	13.38%	13.35%	14.21%	12.85%	13.41%	14.55%	
MN Comm & Pkg w/o Interruptible Cap Purc	\$4,503,231	\$6,056,585	\$5,762,468	\$6,267,770	\$11,691,130	\$15,693,571	\$38,473,587	\$42,134,259	\$26,182,647	\$23,779,148	\$13,506,130	\$8,467,673	\$202,518,200
MN Interruptible Capacity Purchases	\$0	\$0	\$151	\$0	\$2,717	\$3,908	\$5,139	\$9,744	\$811	\$2,124	\$7,565	\$641	\$32,800
MN Interruptible Shared Transport costs	\$0	\$0	\$0	\$0	\$0	\$0	\$58,994	\$56,424	\$0.00	\$0	\$0	\$0	\$115,418
MN Kansas Tax (2009-2014)	\$27,554	\$26,091	\$30,380	\$57,699	\$106,452	\$155,742	\$175,119	\$148,200	\$125,773	\$71,279	\$46,859	\$30,052	\$1,001,200
MN Kansas Tax (Current Year)	\$15,040	\$14,241	\$16,582	\$31,494	\$58,104	\$85,007	\$79,474	\$67,258	\$57,079	\$32,349	\$21,266	\$13,638	\$491,533
MN Kansas Tax (Adjustment to Actual Bill)	\$0	\$0	\$0	\$0	\$0	\$0	(\$84,091)	\$0	\$0	\$0	\$0	\$0	(\$84,091)
MN Comm. & Peaking Expense	\$4,545,826	\$6,096,917	\$5,809,582	\$6,356,963	\$11,858,403	\$15,938,228	\$38,708,223	\$42,415,885	\$26,366,310	\$23,884,900	\$13,581,820	\$8,512,005	\$204,075,061
ND Comm & Pkg w/o Interruptible Cap Purc	\$804,054	\$1,054,587	\$1,056,214	\$1,129,574	\$1,960,353	\$2,466,081	\$5,942,930	\$6,491,545	\$4,336,816	\$3,506,162	\$2,091,664	\$1,441,833	\$32,281,813
ND Interruptible Capacity Purchases	\$0	\$0	\$28	\$0	\$456	\$614	\$794	\$1,501	\$134	\$313	\$1,172	\$109	\$5,121
ND Interruptible Shared Transport costs	\$0	\$0	\$0	\$0	\$0	\$0	\$9,113	\$8,693	\$0.00	\$0	\$0	\$0	\$17,806
ND Kansas Tax	\$2,410	\$2,211	\$2,540	\$4,943	\$9,020	\$13,157	(\$239)	\$10,332	\$9,404	\$5,071	\$3,567	\$1,965	\$64,382
ND Comm. & Peaking Expense	\$806,464	\$1,056,798	\$1,058,782	\$1,134,518	\$1,969,829	\$2,479,852	\$5,952,598	\$6,512,071	\$4,346,354	\$3,511,547	\$2,096,402	\$1,443,907	\$32,369,121

Expense	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	Total
Commodity & Peaking	\$806,464	\$1,056,798	\$1,058,782	\$1,134,518	\$1,969,829	\$2,479,852	\$5,952,598	\$6,512,071	\$4,346,354	\$3,511,547	\$2,096,402	\$1,443,907	\$32,369,121
Demand	\$361,102	\$346,791	\$347,813	\$364,237	\$362,656	\$819,437	\$729,980	\$812,230	\$818,722	\$811,793	\$365,172	\$360,824	\$6,500,758
Total	\$1,167,566	\$1,403,589	\$1,406,595	\$1,498,754	\$2,332,485	\$3,299,288	\$6,682,578	\$7,324,301	\$5,165,076	\$4,323,340	\$2,461,575	\$1,804,731	\$38,869,879

Revenue	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	Total
Commodity & Peaking	\$701,452	\$847,757	\$857,717	\$1,243,553	\$1,982,239	\$3,563,547	\$6,907,016	\$5,259,707	\$4,894,405	\$2,634,987	\$1,804,215	\$1,187,408	\$31,884,004
Demand	\$67,265	\$69,383	\$74,934	\$126,702	\$304,444	\$870,801	\$1,533,305	\$1,113,777	\$1,160,397	\$466,520	\$208,762	\$110,716	\$6,107,006
Total	\$768,717	\$917,140	\$932,651	\$1,370,255	\$2,286,683	\$4,434,348	\$8,440,321	\$6,373,484	\$6,054,802	\$3,101,507	\$2,012,977	\$1,298,124	\$37,991,010

Over/(Under)	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	Total
Commodity & Peaking	(\$105,012)	(\$209,040)	(\$201,064)	\$109,036	\$12,409	\$1,083,695	\$954,418	(\$1,252,364)	\$548,051	(\$876,560)	(\$292,187)	(\$256,499)	(\$485,117)
Demand	(\$293,837)	(\$277,408)	(\$272,879)	(\$237,535)	(\$58,212)	\$51,364	\$803,325	\$301,547	\$341,675	(\$345,273)	(\$156,410)	(\$250,108)	(\$393,752)
Total	(\$398,849)	(\$486,449)	(\$473,944)	(\$128,499)	(\$45,803)	\$1,135,059	\$1,757,743	(\$950,818)	\$889,726	(\$1,221,833)	(\$448,597)	(\$506,607)	(\$878,869)

	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	Total
Demand Expense	\$361,102	\$346,791	\$347,813	\$364,237	\$362,656	\$819,437	\$729,980	\$812,230	\$818,722	\$811,793	\$365,172	\$360,824	\$6,500,758

Annual Firm Billed Sales Allocator

Residential	32,671,392	40.55%
Commercial/Industrial	47,896,160	59.45%
Total	80,567,551	100.00%

Demand Expense Allocation to Class

Residential	\$146,427	\$140,624	\$141,038	\$147,698	\$147,057	\$332,282	\$296,007	\$329,359	\$331,992	\$329,182	\$148,077	\$146,314	\$2,636,057
Commercial/Industrial	\$214,675	\$206,167	\$206,775	\$216,539	\$215,599	\$487,155	\$433,973	\$482,871	\$486,730	\$482,611	\$217,095	\$214,510	\$3,864,701
Total Demand Expense	\$361,102	\$346,791	\$347,813	\$364,237	\$362,656	\$819,437	\$729,980	\$812,230	\$818,722	\$811,793	\$365,172	\$360,824	\$6,500,758

Demand Revenue

Residential	\$17,359	\$20,014	\$20,137	\$45,396	\$117,014	\$334,655	\$680,739	\$483,842	\$491,137	\$195,286	\$80,760	\$36,635	\$2,522,974
Commercial/Industrial	\$49,906	\$49,369	\$54,797	\$81,306	\$187,430	\$536,146	\$852,566	\$629,935	\$669,260	\$271,234	\$128,002	\$74,081	\$3,584,032
Total Demand Revenue	\$67,265	\$69,383	\$74,934	\$126,702	\$304,444	\$870,801	\$1,533,305	\$1,113,777	\$1,160,397	\$466,520	\$208,762	\$110,716	\$6,107,006

Demand Over/(Under)

Residential	(\$129,068)	(\$120,610)	(\$120,901)	(\$102,302)	(\$30,043)	\$2,373	\$384,732	\$154,483	\$159,145	(\$133,896)	(\$67,317)	(\$109,679)	(\$113,083)
Commercial/Industrial	(\$164,769)	(\$156,798)	(\$151,978)	(\$135,233)	(\$28,169)	\$48,991	\$418,593	\$147,064	\$182,530	(\$211,377)	(\$89,093)	(\$140,429)	(\$280,669)
Total Demand Over/(Under)	(\$293,837)	(\$277,408)	(\$272,879)	(\$237,535)	(\$58,212)	\$51,364	\$803,325	\$301,547	\$341,675	(\$345,273)	(\$156,410)	(\$250,108)	(\$393,752)

	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	Total
<u>Expense</u>													
ND Comm. & Peaking Expense	\$806,464	\$1,056,798	\$1,058,782	\$1,134,518	\$1,969,829	\$2,479,852	\$5,952,598	\$6,512,071	\$4,346,354	\$3,511,547	\$2,096,402	\$1,443,907	\$32,369,121
less ND Interruptible Capacity Purc	\$0	\$0	(\$28)	\$0	(\$456)	(\$614)	(\$794)	(\$1,501)	(\$134)	(\$313)	(\$1,172)	(\$109)	(\$5,121)
less ND Int. Shared Transport cost	\$0	\$0	\$0	\$0	\$0	\$0	(\$9,113)	(\$8,693)	\$0	\$0	\$0	\$0	(\$17,806)
ND Comm & Pkg w/o Int Cap Purc	\$806,464	\$1,056,798	\$1,058,754	\$1,134,518	\$1,969,373	\$2,479,237	\$5,942,691	\$6,501,877	\$4,346,220	\$3,511,234	\$2,095,231	\$1,443,798	\$32,346,194

<u>Sales Allocator</u>													
Residential	12.78%	14.59%	14.52%	24.08%	27.39%	32.68%	37.89%	36.76%	35.64%	33.29%	29.40%	19.64%	
Commercial/Industrial	36.75%	35.98%	39.52%	43.13%	43.87%	52.35%	47.45%	47.86%	48.56%	46.24%	46.59%	39.71%	
Small Interruptible	7.80%	8.71%	7.65%	7.24%	7.29%	4.70%	4.46%	4.91%	5.89%	6.01%	7.50%	8.83%	
Large Interruptible	42.67%	40.72%	38.31%	25.55%	21.45%	10.27%	10.21%	10.46%	9.91%	14.46%	16.51%	31.82%	
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	\$103,091	\$154,149	\$153,758	\$273,200	\$539,344	\$810,159	\$2,251,468	\$2,390,303	\$1,548,965	\$1,168,894	\$615,951	\$283,518	\$10,292,801
Commercial/Industrial	\$296,375	\$380,234	\$418,421	\$489,312	\$863,905	\$1,297,947	\$2,819,767	\$3,112,045	\$2,110,737	\$1,623,486	\$976,263	\$573,315	\$14,961,807
Small Interruptible	\$62,902	\$92,047	\$81,005	\$82,103	\$143,644	\$116,431	\$264,972	\$319,378	\$255,788	\$211,000	\$157,140	\$127,503	\$1,913,914
Large Interruptible	\$344,095	\$430,368	\$405,570	\$289,903	\$422,480	\$254,701	\$606,485	\$680,151	\$430,730	\$507,854	\$345,876	\$459,462	\$5,177,673
Total Comm & Peakshaving Exp	\$806,464	\$1,056,798	\$1,058,754	\$1,134,518	\$1,969,373	\$2,479,237	\$5,942,691	\$6,501,877	\$4,346,220	\$3,511,234	\$2,095,231	\$1,443,798	\$32,346,194

<u>Sales Allocator</u>													
Small Interruptible	15.46%	17.62%	16.65%	22.07%	25.37%	31.37%	30.41%	31.95%	37.26%	29.35%	31.24%	21.72%	
Large Interruptible	84.54%	82.38%	83.35%	77.93%	74.63%	68.63%	69.59%	68.05%	62.74%	70.65%	68.76%	78.28%	
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	\$0	\$0	\$5	\$0	\$116	\$193	\$3,012	\$3,257	\$50	\$92	\$366	\$24	\$7,114
Large Interruptible	\$0	\$0	\$23	\$0	\$340	\$421	\$6,894	\$6,937	\$84	\$221	\$806	\$86	\$15,812
Total Comm & Peakshaving Exp	\$0	\$0	\$28	\$0	\$456	\$614	\$9,907	\$10,194	\$134	\$313	\$1,172	\$109	\$22,927

<u>Total Commodity & Peakshaving Expense</u>													
Residential	\$103,091	\$154,149	\$153,758	\$273,200	\$539,344	\$810,159	\$2,251,468	\$2,390,303	\$1,548,965	\$1,168,894	\$615,951	\$283,518	\$10,292,801
Commercial/Industrial	\$296,375	\$380,234	\$418,421	\$489,312	\$863,905	\$1,297,947	\$2,819,767	\$3,112,045	\$2,110,737	\$1,623,486	\$976,263	\$573,315	\$14,961,807
Small Interruptible	\$62,902	\$92,047	\$81,010	\$82,103	\$143,760	\$116,623	\$267,984	\$322,636	\$255,838	\$211,092	\$157,506	\$127,527	\$1,921,028
Large Interruptible	\$344,095	\$430,368	\$405,593	\$289,903	\$422,820	\$255,122	\$613,379	\$687,088	\$430,814	\$508,075	\$346,682	\$459,547	\$5,193,486
Total Comm & Peakshaving Exp	\$806,464	\$1,056,798	\$1,058,782	\$1,134,518	\$1,969,829	\$2,479,852	\$5,952,598	\$6,512,071	\$4,346,354	\$3,511,547	\$2,096,402	\$1,443,907	\$32,369,121

<u>Commodity & Peakshaving Revenue</u>													
Residential	\$92,987	\$123,199	\$125,157	\$301,920	\$544,815	\$1,166,689	\$2,615,528	\$1,937,261	\$1,739,867	\$884,797	\$530,339	\$233,009	\$10,295,568
Commercial/Industrial	\$266,388	\$302,571	\$337,675	\$537,210	\$864,943	\$1,872,899	\$3,300,820	\$2,502,005	\$2,367,427	\$1,222,176	\$839,939	\$474,252	\$14,888,304
Small Interruptible	\$57,891	\$73,159	\$65,783	\$89,983	\$144,745	\$166,289	\$302,384	\$259,371	\$292,905	\$155,841	\$134,812	\$106,012	\$1,849,176
Large Interruptible	\$284,186	\$348,829	\$329,102	\$314,440	\$427,736	\$357,671	\$688,284	\$561,070	\$494,205	\$372,173	\$299,126	\$374,136	\$4,850,957
Total Comm & Peakshaving Rev	\$701,452	\$847,757	\$857,717	\$1,243,553	\$1,982,239	\$3,563,547	\$6,907,016	\$5,259,707	\$4,894,405	\$2,634,987	\$1,804,215	\$1,187,408	\$31,884,004

<u>Commodity & Peakshaving - Over/(Under)</u>													
Residential	(\$10,104)	(\$30,950)	(\$28,601)	\$28,720	\$5,472	\$356,529	\$364,060	(\$453,042)	\$190,902	(\$284,097)	(\$85,613)	(\$50,509)	\$2,767
Commercial/Industrial	(\$29,987)	(\$77,663)	(\$80,746)	\$47,898	\$1,037	\$574,952	\$481,053	(\$610,040)	\$256,690	(\$401,310)	(\$136,325)	(\$99,063)	(\$73,503)
Small Interruptible	(\$5,011)	(\$18,888)	(\$15,226)	\$7,881	\$985	\$49,665	\$34,400	(\$63,265)	\$37,067	(\$55,251)	(\$22,694)	(\$21,515)	(\$71,852)
Large Interruptible	(\$59,909)	(\$81,539)	(\$76,491)	\$24,537	\$4,916	\$102,549	\$74,905	(\$126,018)	\$63,391	(\$135,902)	(\$47,556)	(\$85,411)	(\$342,529)
Total Comm & Peak Over/(Under)	(\$105,012)	(\$209,040)	(\$201,064)	\$109,036	\$12,409	\$1,083,695	\$954,418	(\$1,252,364)	\$548,051	(\$876,560)	(\$292,187)	(\$256,499)	(\$485,117)

	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	Total
Residential	\$110,346	\$143,213	\$145,294	\$347,316	\$661,829	\$1,501,344	\$3,296,267	\$2,421,103	\$2,231,004	\$1,080,083	\$611,099	\$269,644	\$12,818,542
Sm Commercial/Industrial	\$316,294	\$351,940	\$392,472	\$618,516	\$1,052,373	\$2,409,045	\$4,153,386	\$3,131,940	\$3,036,687	\$1,493,410	\$967,941	\$548,333	\$18,472,336
Small Interruptible	\$57,891	\$73,159	\$65,783	\$89,983	\$144,745	\$166,289	\$302,384	\$259,371	\$292,905	\$155,841	\$134,812	\$106,012	\$1,849,176
Large Interruptible	\$284,186	\$348,829	\$329,102	\$314,440	\$427,736	\$357,671	\$688,284	\$561,070	\$494,205	\$372,173	\$299,126	\$374,136	\$4,850,957
Total	\$768,717	\$917,140	\$932,651	\$1,370,255	\$2,286,683	\$4,434,348	\$8,440,321	\$6,373,484	\$6,054,802	\$3,101,507	\$2,012,977	\$1,298,124	\$37,991,010

Class	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	Total
Residential	395,790	450,999	453,674	1,034,554	1,858,551	3,855,692	7,790,675	5,537,212	5,620,698	2,972,209	1,857,125	844,213	32,671,392
	\$0.04386	\$0.04438	\$0.04439	\$0.04388	\$0.06296	\$0.08679	\$0.08738	\$0.08738	\$0.08738	\$0.06570	\$0.04349	\$0.04340	
	\$17,359	\$20,014	\$20,137	\$45,396	\$117,014	\$334,655	\$680,739	\$483,842	\$491,137	\$195,286	\$80,760	\$36,635	\$2,522,974
Commercial/Industrial	1,137,846	1,112,464	1,234,583	1,852,927	2,976,975	6,177,158	9,757,141	7,209,148	7,659,189	4,128,124	2,943,484	1,707,121	47,896,160
	\$0.04386	\$0.04438	\$0.04439	\$0.04388	\$0.06296	\$0.08679	\$0.08738	\$0.08738	\$0.08738	\$0.06570	\$0.04349	\$0.04340	
	\$49,906	\$49,369	\$54,797	\$81,306	\$187,430	\$536,146	\$852,566	\$629,935	\$669,260	\$271,234	\$128,002	\$74,081	\$3,584,032
Demand Revenue	\$67,265	\$69,383	\$74,934	\$126,702	\$304,444	\$870,801	\$1,533,305	\$1,113,777	\$1,160,397	\$466,520	\$208,762	\$110,716	\$6,107,006
Total Demand Revenue	\$67,265	\$69,383	\$74,934	\$126,702	\$304,444	\$870,801	\$1,533,305	\$1,113,777	\$1,160,397	\$466,520	\$208,762	\$110,716	\$6,107,006

Class	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	Total
Residential													
Total Revenue	\$110,346	\$143,213	\$145,294	\$347,316	\$661,829	\$1,501,344	\$3,296,267	\$2,421,103	\$2,231,004	\$1,080,083	\$611,099	\$269,644	\$12,818,542
less Demand Revenue	\$17,359	\$20,014	\$20,137	\$45,396	\$117,014	\$334,655	\$680,739	\$483,842	\$491,137	\$195,286	\$80,760	\$36,635	\$2,522,974
Commodity & Peakshaving Revenue	\$92,987	\$123,199	\$125,157	\$301,920	\$544,815	\$1,166,689	\$2,615,528	\$1,937,261	\$1,739,867	\$884,797	\$530,339	\$233,009	\$10,295,568
Commercial/Industrial													
Total Revenue	\$316,294	\$351,940	\$392,472	\$618,516	\$1,052,373	\$2,409,045	\$4,153,386	\$3,131,940	\$3,036,687	\$1,493,410	\$967,941	\$548,333	\$18,472,336
less Demand Revenue	\$49,906	\$49,369	\$54,797	\$81,306	\$187,430	\$536,146	\$852,566	\$629,935	\$669,260	\$271,234	\$128,002	\$74,081	\$3,584,032
Commodity & Peakshaving Revenue	\$266,388	\$302,571	\$337,675	\$537,210	\$864,943	\$1,872,899	\$3,300,820	\$2,502,005	\$2,367,427	\$1,222,176	\$839,939	\$474,252	\$14,888,304
Small Interruptible													
Commodity & Peakshaving Revenue	\$57,891	\$73,159	\$65,783	\$89,983	\$144,745	\$166,289	\$302,384	\$259,371	\$292,905	\$155,841	\$134,812	\$106,012	\$1,849,176
Large Interruptible													
Commodity & Peakshaving Revenue	\$284,186	\$348,829	\$329,102	\$314,440	\$427,736	\$357,671	\$688,284	\$561,070	\$494,205	\$372,173	\$299,126	\$374,136	\$4,850,957
Commodity & Peakshaving Revenue	\$701,452	\$847,757	\$857,717	\$1,243,553	\$1,982,239	\$3,563,547	\$6,907,016	\$5,259,707	\$4,894,405	\$2,634,987	\$1,804,215	\$1,187,408	\$31,884,004
Demand Revenue	\$67,265	\$69,383	\$74,934	\$126,702	\$304,444	\$870,801	\$1,533,305	\$1,113,777	\$1,160,397	\$466,520	\$208,762	\$110,716	\$6,107,006
Total Revenue	\$768,717	\$917,140	\$932,651	\$1,370,255	\$2,286,683	\$4,434,348	\$8,440,321	\$6,373,484	\$6,054,802	\$3,101,507	\$2,012,977	\$1,298,124	\$37,991,010

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

Cycle	JAN				FEB				MAR			
	Date	On	Days	Factor	Date	On	Days	Factor	Date	On	Days	Factor
20									1-Mar	0	30	
21									2-Mar	1	30	
1	3-Jan	2	34		1-Feb	0	29		3-Mar	2	30	
2	4-Jan	3	34		2-Feb	1	29		6-Mar	5	32	
3	5-Jan	4	34		3-Feb	2	29		7-Mar	6	32	
4	6-Jan	5	32		6-Feb	5	31		8-Mar	7	30	
5	9-Jan	8	34		7-Feb	6	29		9-Mar	8	30	
6	10-Jan	9	34		8-Feb	7	29		10-Mar	9	30	
7	11-Jan	10	34		9-Feb	8	29		13-Mar	12	32	
8	12-Jan	11	34		10-Feb	9	29		14-Mar	13	32	
9	13-Jan	12	32		13-Feb	12	31		15-Mar	14	30	
10	16-Jan	15	34		14-Feb	13	29		16-Mar	15	30	
11	17-Jan	16	34		15-Feb	14	29		17-Mar	16	30	
12	18-Jan	17	34		16-Feb	15	29		20-Mar	19	32	
13	19-Jan	18	34		17-Feb	16	29		21-Mar	20	32	
14	20-Jan	19	32		21-Feb	20	32		22-Mar	21	29	
15	23-Jan	22	34		22-Feb	21	30		23-Mar	22	29	
16	24-Jan	23	34		23-Feb	22	30		24-Mar	23	29	
17	25-Jan	24	34		24-Feb	23	30		27-Mar	26	31	
18	26-Jan	25	30		27-Feb	26	32		28-Mar	27	29	
19	27-Jan	26	30		28-Feb	27	32		29-Mar	28	29	
20	30-Jan	29	32						30-Mar	29	29	
21	31-Jan	30	32						31-Mar	29	29	
Total		328	696	0.4713		247	567	0.4356		352	696	0.5057

Cycle	APR				MAY				JUN			
	Date	On	Days	Factor	Date	On	Days	Factor	Date	On	Days	Factor
21					1-May	0	31					
1	3-Apr	2	31		2-May	1	29		1-Jun	0	30	
2	4-Apr	3	29		3-May	2	29		2-Jun	1	30	
3	5-Apr	4	29		4-May	3	29		5-Jun	4	32	
4	6-Apr	5	29		5-May	4	29		6-Jun	5	32	
5	7-Apr	6	29		8-May	7	31		7-Jun	6	30	
6	10-Apr	9	31		9-May	8	29		8-Jun	7	30	
7	11-Apr	10	29		10-May	9	29		9-Jun	8	30	
8	12-Apr	11	29		11-May	10	29		12-Jun	11	32	
9	13-Apr	12	29		12-May	11	29		13-Jun	12	32	
10	14-Apr	13	29		15-May	14	31		14-Jun	13	30	
11	17-Apr	16	31		16-May	15	29		15-Jun	14	30	
12	18-Apr	17	29		17-May	16	29		16-Jun	15	30	
13	19-Apr	18	29		18-May	17	29		19-Jun	18	32	
14	20-Apr	19	29		19-May	18	29		20-Jun	19	32	
15	21-Apr	20	29		22-May	21	31		21-Jun	20	30	
16	24-Apr	23	31		23-May	22	29		22-Jun	21	30	
17	25-Apr	24	29		24-May	23	29		23-Jun	22	30	
18	26-Apr	25	29		25-May	24	29		26-Jun	25	32	
19	27-Apr	26	29		26-May	25	29		27-Jun	26	32	
20	28-Apr	27	29		30-May	29	32		28-Jun	27	29	
21					31-May	30	30		29-Jun	28	29	
1									30-Jun	29	29	
Total		290	588	0.4932		309	650	0.4754		331	673	0.4918

Mo	Description	Multiplier	Demand
JUL	Previous	0.0000	\$0.04386
	Old	0.4992	\$0.04386
	New	0.5008	\$0.04386
	Weighted	1.0000	\$0.04386
AUG	Previous	0.0015	\$0.04386
	Old	0.5051	\$0.04386
	New	0.4934	\$0.04491
	Weighted	1.0000	\$0.04438
SEP	Previous	0.0000	\$0.04386
	Old	0.4907	\$0.04491
	New	0.5093	\$0.04388
	Weighted	1.0000	\$0.04439
OCT	Previous	0.0000	\$0.04491
	Old	0.4864	\$0.04388
	New	0.5136	\$0.04388
	Weighted	1.0000	\$0.04388
NOV	Previous	0.0000	\$0.04388
	Old	0.5518	\$0.04388
	New	0.4482	\$0.08645
	Weighted	1.0000	\$0.06296
DEC	Previous	0.0015	\$0.04388
	Old	0.5589	\$0.08645
	New	0.4396	\$0.08738
	Weighted	1.0000	\$0.08679
JAN	Previous	0.0014	\$0.08645
	Old	0.5273	\$0.08738
	New	0.4713	\$0.08738
	Weighted	1.0000	\$0.08738
FEB	Previous	0.0000	\$0.08738
	Old	0.5644	\$0.08738
	New	0.4356	\$0.08738
	Weighted	1.0000	\$0.08738
MAR	Previous	0.0043	\$0.08738
	Old	0.4900	\$0.08738
	New	0.5057	\$0.08738
	Weighted	1.0000	\$0.08738
APR	Previous	0.0000	\$0.08738
	Old	0.5068	\$0.08738
	New	0.4932	\$0.04343
	Weighted	1.0000	\$0.06570
MAY	Previous	0.0015	\$0.08738
	Old	0.5231	\$0.04343
	New	0.4754	\$0.04341
	Weighted	1.0000	\$0.04349
JUN	Previous	0.0000	\$0.04343
	Old	0.5082	\$0.04341
	New	0.4918	\$0.04338
	Weighted	1.0000	\$0.04340

Schedule F intentionally left blank

	Jul '16	Aug '16	Sep '16	Oct '16	Nov '16	Dec '16	Jan '17	Feb '17	Mar '17	Apr '17	May '17	Jun '17	Total
Gas Cost Recovery	\$768,717	\$917,140	\$932,651	\$1,370,255	\$2,286,683	\$4,434,348	\$8,440,321	\$6,373,484	\$6,054,802	\$3,101,507	\$2,012,977	\$1,298,124	\$37,991,010
Gas Expenses (actual)	\$1,167,566	\$1,403,589	\$1,406,595	\$1,498,754	\$2,332,485	\$3,299,288	\$6,682,578	\$7,324,301	\$5,165,076	\$4,323,340	\$2,461,575	\$1,804,731	\$38,869,879
(Over) Under Recovery	\$398,849	\$486,449	\$473,944	\$128,499	\$45,803	(\$1,135,059)	(\$1,757,743)	\$950,818	(\$889,726)	\$1,221,833	\$448,597	\$506,607	\$878,869
Related Deferred Tax (@ 37.9445%)	\$151,341	\$184,581	\$179,836	\$48,758	\$17,380	(\$430,693)	(\$664,453)	\$359,423	(\$336,330)	\$461,871	\$169,576	\$191,505	\$332,796
Net Balance	\$247,508	\$301,868	\$294,108	\$79,741	\$28,423	(\$704,367)	(\$1,093,290)	\$591,394	(\$553,396)	\$759,962	\$279,021	\$315,102	\$546,074
Cumulative Net Balance	\$247,508	\$549,376	\$843,547	\$923,419	\$952,078	\$248,053	(\$844,824)	(\$253,323)	(\$807,092)	(\$47,289)	\$231,183	\$546,249	\$1,092,515
3 Month Treasury Bill Rate	0.30%	0.30%	0.29%	0.33%	0.45%	0.51%	0.51%	0.52%	0.74%	0.80%	0.89%	0.98%	
Carrying Charge (previous month * rate)		\$63	\$131	\$236	\$342	\$412	\$107	(\$373)	(\$159)	(\$548)	(\$36)	\$192	\$368

	Residential	Commercial/ Industrial	Small & Large Interruptible	Total
(Over) Under Recovery (7/2016-6/2017)	110,317	354,172	414,381	878,869
Allocation of Carrying Charge	12.6%	40.3%	47.1%	100.0%
Carrying Charge by Class	\$46	\$148	\$173	\$368

	<u>Jun '15</u>	<u>Jul '15</u>	<u>Aug '15</u>	<u>Sep '15</u>	<u>Oct '15</u>	<u>Nov '15</u>	<u>Dec '15</u>	<u>Jan '16</u>	<u>Feb '16</u>	<u>Mar '16</u>	<u>Apr '16</u>	<u>May '16</u>	<u>Total</u>
Demand Expense	\$3,012,100	\$2,893,902	\$2,900,328	\$3,039,835	\$3,027,767	\$6,831,844	\$6,164,640	\$6,853,611	\$6,822,536	\$6,762,110	\$3,043,924	\$3,012,280	\$54,364,877
Commodity Expense	\$5,271,783	\$7,057,491	\$6,753,806	\$7,395,841	\$13,715,063	\$18,313,591	\$44,392,855	\$48,749,376	\$30,577,446	\$27,266,657	\$15,597,643	\$9,905,782	\$234,997,335
LNG													
LPG													
<u>Boiloff</u>													
Peakshaving Exp	\$80,507	\$96,223	\$114,557	\$95,639	\$113,169	\$104,488	\$199,859	\$113,463	\$135,218	\$129,790	\$80,579	\$50,130	\$1,313,623
Total	\$8,364,390	\$10,047,617	\$9,768,691	\$10,531,315	\$16,855,999	\$25,249,923	\$50,757,353	\$55,716,450	\$37,535,200	\$34,158,557	\$18,722,146	\$12,968,192	\$290,675,835

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, 2016 to June 30, 2017, 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, 2016 to June 30, 2017. This Schedule is the responsibility of the Company's management. 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. We believe the evidence we obtained is sufficient and appropriate to provide a reasonable basis for our opinion.

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.

In our opinion, the Schedule for the period from July 1, 2016 to June 30, 2017, is presented 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 these specified parties.

Deloitte + Touche LLP

August 28, 2017

NORTHERN STATES POWER COMPANY, A MINNESOTA CORPORATION
SCHEDULE OF MONTHLY AND ANNUAL COST OF GAS RIDER FACTORS
FOR THE PERIOD FROM JULY 1, 2016 TO JUNE 30, 2017
(DOLLARS PER THERM)

	State of North Dakota		
	Residential	Commercial Industrial	Small & Large Interruptible
July 1, 2016	\$0.32891	\$0.33006	\$0.30716
August 1, 2016	\$0.31567	\$0.31682	\$0.29287
September 1, 2016	\$0.33425	\$0.33822	\$0.29346
October 1, 2016	\$0.34566	\$0.34963	\$0.30487
November 1, 2016	\$0.38179	\$0.38576	\$0.29843
December 1, 2016	\$0.40948	\$0.41345	\$0.32519
January 1, 2017	\$0.45737	\$0.46134	\$0.37308
February 1, 2017	\$0.42146	\$0.42543	\$0.33717
March 1, 2017	\$0.38166	\$0.38563	\$0.29737
April 1, 2017	\$0.33979	\$0.34376	\$0.29945
May 1, 2017	\$0.32098	\$0.32495	\$0.28066
June 1, 2017	\$0.34137	\$0.34534	\$0.30108
Annual true-up filing June 30, 2017	\$0.00384	\$0.00743	\$0.01525

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.