

**BEFORE THE
PUBLIC UTILITIES COMMISSION
STATE OF SOUTH DAKOTA**

**NORTHWESTERN ENERGY
DOCKET NO. NG07-013**

**TESTIMONY & EXHIBITS OF MARTIN C. BETTMANN
ON BEHALF OF THE COMMISSION STAFF
OCTOBER 2007**

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ON BEHALF OF THE COMMISSION STAFF
OCTOBER 2007

1 **Q. What is your name and by whom are you employed?**

2

3 A. My name is Martin C. Bettmann and I am employed as a Staff Engineer by the South
4 Dakota Public Utilities Commission (Commission). My business address is South Dakota
5 Public Utilities Commission, 500 East Capitol Avenue, Pierre, South Dakota, 57501-
6 5070.

7

8 **Q. Please describe your education and work experience.**

9

10 A. I received my Bachelor of Science degree in Engineering from South Dakota State
11 University in 1975. After graduation, I was employed by an engineering consulting firm in
12 Aberdeen, South Dakota, prior to taking my present position as a Staff Engineer with the
13 Commission in November 1977.

14

15 **Q. Please describe what your job involves.**

16

17 A. Currently, my primary responsibility with the Commission Staff (Staff) is managing the
18 pipeline safety inspection program. While working for the Commission, I have also been
19 responsible for reviewing energy conversion and transmission facility siting applications,
20 evaluating and making recommendations on electric and natural gas rates and tariffs,

1 and advising the Staff on various engineering and technical matters that come before the
2 Commission.

3
4 **Q. Have you previously filed testimony in other electric or natural gas rate**
5 **proceedings before the Commission?**

6
7 A. Yes, I provided prefiled testimony on behalf of the Staff in four electric and six natural
8 gas rate cases. In previous rate cases, my written testimony has addressed fuel oil
9 usage at combustion turbine and internal combustion electric generating plants, steam
10 production plant depreciation proposals, the apportionment of revenue responsibility
11 among the customer classes and the rate design proposals, the level of natural gas
12 sales to a power plant, the purchased gas cost reflected in operations & maintenance
13 expense, weather normalization, and rate design.

14
15 **Q. Are you familiar with NorthWestern Energy's (Company) application for an**
16 **increase in revenues?**

17
18 A. Yes, I have reviewed the direct testimony of the Company witnesses, their exhibits and
19 the responses to Staff data requests pertinent to the preparation of my testimony and
20 exhibits.

21
22 **Q. What is the purpose of this testimony?**

23
24 A. For this filing, I am responsible for the review and analysis of the Company's proposed
25 adjustments to weather normalization. My testimony also summarizes Staff's proposed
26 rate design.

27
28 **Q. Have you calculated the weather normal adjustments for the various rate classes?**
29

30 A. Yes, I have. The calculations for the weather normalization adjustments are shown in
31 Exhibit____(MCB-2) through Exhibit____(MCB-3). A summary of the weather normal
32 adjustment, excluding adjustments to Freeman sales, may be found in Staff
33 Exhibit____(MCB-1).

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Q. How are the weather normal adjustments you made different from those proposed by the Company?

A. My weather normal adjustments are different in several respects. First of all, my analysis is different in the fact that I use a three-month average except for Rate Code 86B to determine the base load use instead of the two-month average method used by Company Witness Jeffery J. Decker. I also do not calculate a weather normalization adjustment for the three months that are a part of the lowest three-month average. Generally, these months contain very few normal HDD's and even a slight variation in the weather can cause a significant adjustment in the weather normalization calculation. Company Witness Decker's method is also different in that the ratio he uses to calculate the Normalized HDD Sensitive therms is a ratio of the annual to normal and actual HDDs. In my method, the Normalized HDD Sensitive therm amount is calculated for each month with weather sensitive usage using the ratio between the normal and actual HDDs for the corresponding month. Mr. Decker's method also assumes the lowest two-month usage for each rate code occurs during the months of August and September. My analysis showed that this was not always the case. In fact, for Rate Codes 81, 82, 84 (Option A), 86 (Option B), and 87. (Option B) the two-month total therm unit usage for July and August is less than the two-month total for August and September.

Q. Did you use the same three-month period to calculate the normalized therm adjustment for all Rate Codes?

No, I did not. The lowest three month average for all Rate Codes, except Rate Codes 86B and 87B, occurs during the three months of July thru September. The lowest three-month average for Rate Code 87B occurs during the three months of June, July, and August. For Rate Code 86B I used a four-month average to determine the base load amount. The average three-month period of July thru September was the lowest base load usage, but using that average would have resulted in the three-month base load sales being higher than the October therm sales. Including the October sales in the average for the base load factor corrects that problem.

1 Q. Are there any other differences in how you calculated the weather normalization
2 adjustment?

3
4 Yes. There is a slight difference in how I determined the HDDs for the Rate Codes that
5 have meters read during the Company's normal billing cycle. Company Witness Decker
6 includes the day the bill is read in determining the HDDs for a particular billing cycle; I
7 count it as part of the following billing cycle. This difference results in just a very small
8 difference in the HDDs for a particular period.

9
10 The other difference is a little more significant. Customers receiving service under Rate
11 Codes 86 and 87 (Options A & B) have their meters read on the first day of each month.
12 Therefore, the Normalization Factors used to calculate the weather normalization
13 adjustment must use the HDD values for the corresponding months, which I have done.
14 Company Witness Decker used the HDD values based on the Company's billing cycles,
15 which do not match the period for when the natural gas was used. For example the
16 normal billing cycle HDD value for January 2006 is calculated at 1,485.3 HDDs because
17 it includes partial HDD data from December 2005 and January 2006. The actual normal
18 HDD value for January 2006 is 1,572.

19
20 Q. Why are the weather normalization adjustments for Freeman not included in
21 Exhibit____(MCB-1)?

22
23 A. The weather normalization adjustment for Freeman was not included in
24 Exhibit____(MCB-1) because the increase in gas sales, due to the addition of the
25 Freeman system, is being treated as a separate adjustment. The weather normalization
26 adjustments for Freeman sales were calculated in Exhibit____(MCB-2). The adjustments
27 were calculated using the calendar month weather normal and actual HDDs rather than
28 the billing cycle basis because at the time the sales information was compiled, the
29 meters were being read at the end of each month. The normal and actual HDD values
30 for the weather station at Menno, South Dakota, was used because it was the closest
31 weather station to Freeman for which data was available.

32

1 Staff Witness Robert Knadle has calculated the adjustment to revenues due to the
2 increase in sales due to the acquisition of the Freeman system.

3
4 **Q. How are the revenue increase calculations you performed in Exhibit____(MCB-3)**
5 **different from the Company's calculations as found in the exhibits of Company?**

6
7 A. The obvious difference between the two methods is in the way they are shown on the
8 spreadsheets. The "per books" billing determinants are adjusted by adding in Staff's
9 weather normalization and other appropriate changes such as the increase in sales
10 because of the acquisition of the Freeman system. This results in an adjusted test year
11 revenue. I then plug in the proposed service charges and increase or decrease the Non-
12 Gas Commodity rate per therm until the target revenue adjustment is achieved.

13
14 **Q. What rate design changes does the Company propose for Residential customers?**

15
16 A. The Company is not proposing any rate design changes for its Residential customers.
17 The Company is proposing to increase the monthly residential customer charge from
18 \$6.00 to \$8.00.

19
20 **Q. What rate design changes does the Staff propose for Residential customers?**

21
22 A. Staff is proposing to keep the basic rate design structure. I have reflected Staff Witness
23 Jacobson's recommendation to increase the customer charge from \$6.00 to \$7.00. The
24 balance of the increase in revenues for this rate class will be recovered through an
25 increase in the Non-gas Commodity Charge. Both blocks will be increased by \$0.0067
26 per therm.

27
28 **Q. What rate design changes does the Company propose for the Small Commercial**
29 **customer class?**

30
31 A. As with the Residential class, the Company is not proposing any changes in the design
32 of the rates for the Small Commercial class. The Company is proposing to increase the

1 Basic Service Charge for Small Commercial customers by \$2.00 per month, from \$7.00
2 to \$9.00.

3
4 **Q. What rate design changes does the Staff propose for Small Commercial customer**
5 **class?**

6
7 A. Staff is proposing to keep the current basic rate design structure. Staff Witness
8 Jacobson has recommended that the Customer Charge be increased by \$2.00 to \$9.00.
9 Once again, the balance of the increase would be recovered by increasing all three
10 blocks of the Non-Gas Commodity Charge by \$0.0037 per therm. My calculations in
11 Exhibit___(MCB-3) show that the rates proposed will generate the additional revenue
12 requirement allocated to the Small Commercial customer class.

13
14 **Q. Is Staff recommending any changes to the Customer and Non-Gas Commodity**
15 **Charges for Commercial and Industrial Rate 84, 85, and 86 and Gas Transportation**
16 **Rate 87 customers?**

17
18 A. Each of these Rate Codes include an Option A and an Option B level of service. The
19 Customer Charge and the Non-Gas Commodity Charge are the same for each Option
20 regardless of the Rate Code the customer is served under. The Company has not
21 requested a change in the Customer Charge. Based on the revenue increase
22 requirement assigned to these two rate Options, it is my opinion that the Non-Gas
23 Commodity charge should be increased by \$0.0050 per therm for the Option A
24 customers and by \$0.0029 per therm for Option B customers.

25
26 **Q. What changes are proposed for customers with Contract with Deviations?**
27

28 A. No changes are being proposed for this class of customer.
29

30 **Q. Have you prepared a bill comparison using the current rates and Staff's proposed**
31 **rate design?**
32

1 A. Yes, I have. In Exhibit____(MCB-4) I compare typical bills using the current rates with
2 Staff's proposed rates for the Residential, Small Commercial, and Commercial and
3 Industrial Rate 84 (Option A). I did not calculate typical bills for Rate 85, 86, and 87.
4 However, Exhibit____(MCB-3), Schedules 2-3 to 2-5 show the overall percent increase
5 for the Commercial and Industrial Interruptible, Contract, and Transportation customer
6 classes. The rates for the Contract customers did not change, but are shown in the
7 same exhibit.

8
9 Q. **Does this conclude your testimony?**

10

11 A. Yes.

Northwestern Energy
 South Dakota - Gas
 Weather Normalization Adjustment
 Test Year Ending December 31, 2006

SOUTH DAKOTA
 BILLED SALES wo FREEMAN

LINE NO.	RATE CLASS (A)	THERMS ADJUSTED (B)	REVENUE ADJUSTMENT (C)
1	Residential - Rate Code 81	2,851,413	\$ 444,681
2	Small Commercial - Rate Code 82	1,362,104	\$ 154,870
3	Large Commercial/Industrial Firm - Rate Code 84 (Option A)	277,691	\$ 10,774
4	Large Commercial/Industrial Interruptible - Rate Code 85 (Option A)	22,113	\$ 858
5	Large Commercial/Industrial Interruptible - Rate Code 85 (Option B)	55,394	\$ 1,130
6	Commercial and Interruptible - Rate Code 86 (Option A) - Contract Sales Service	559,208	\$ 21,697
7	Commercial and Interruptible - Rate Code 86 (Option B) - Contract Sales Service	54,539	\$ 1,113
8	South Dakota Transportation - Rate Code 87 (Option A)	383,299	\$ 14,872
9	South Dakota Transportation - Rate Code 87 (Option B)	1,102,860	\$ 22,498
10	TOTAL	6,668,622	\$ 672,494

Sources:

Columns (B) and (C): Exhibit____(MCB-3) Schedule 2-1 to 2-5

**Northwestern Energy
South Dakota - Gas
Weather Normalization**
Test Year Ending December 31, 2006

				WEATHER STATION: Huron APO		REVENUE CLASS : RESIDENTIAL		Rate Code 81					
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)		
LINE NO.	MONTH	YEAR	NUMBER OF CUSTOMERS	THERM SALES	BASE LOAD SALES (THERMS)	TEMP. SENSITIVE SALES (THERMS)	NORMAL HEATING DD	ACTUAL HEATING DD	NORMALIZATION FACTOR	NORMALIZED TEMP. SENSITIVE SALES (THERMS)	NORMALIZED TOTAL SALES (THERMS)	WEATHER ADJUSTMENT (THERMS)	
1	JAN	2006	36,304	4,410,880	438,634	3,972,246	1485.3	1227.1	1.21041	4,808,066	5,246,699	835,819	
2	FEB	2006	36,290	3,978,170	438,464	3,539,706	1451.0	1067.9	1.35874	4,809,545	5,248,009	1,269,839	
3	MAR	2006	36,267	4,191,540	438,186	3,753,354	1176.8	1111.8	1.05846	3,972,789	4,410,975	219,435	
4	APR	2006	36,136	2,778,410	436,604	2,341,806	831.0	731.2	1.13649	2,661,435	3,098,038	319,628	
5	MAY	2006	35,913	1,230,890	433,909	796,981	411.5	358.0	1.14944	916,082	1,349,992	119,102	
6	JUN	2006	35,781	704,810	432,315	272,495	170.5	130.4	1.30752	356,292	788,607	83,797	
7	JUL	2006	35,741	441,920	441,920	-	24.1	9.8	0.00000	-	441,920	-	
8	AUG	2006	35,741	376,670	376,670	-	1.6	0.0	0.00000	-	376,670	-	
9	SEP	2006	35,037	480,480	480,480	-	74.6	71.5	0.00000	-	480,480	-	
10	OCT	2006	36,409	1,035,580	439,902	595,678	291.3	306.9	0.94917	565,399	1,005,301	(30,279)	
11	NOV	2006	36,554	2,369,030	441,654	1,927,376	639.0	710.2	0.89975	1,734,150	2,175,804	(193,226)	
12	DEC	2006	36,667	3,963,050	443,019	3,520,031	1155.7	1085.6	1.06457	3,747,328	4,190,347	227,297	
13			433,840	25,961,430	5,241,758	20,719,672				23,571,086	28,812,843	2,851,413	
14													

BASE LOAD = AVG SALES / CUST FOR 3 MO ENDING SEP 12.0822 RESIDENTIAL

				REVENUE CLASS : SMALL COMMERCIAL		Rate Code 82						
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	
LINE NO.	MONTH	YEAR	NUMBER OF CUSTOMERS	THERM SALES	BASE LOAD SALES (THERMS)	TEMP. SENSITIVE SALES (THERMS)	NORMAL HEATING DD	ACTUAL HEATING DD	NORMALIZATION FACTOR	NORMALIZED TEMP. SENSITIVE SALES (THERMS)	NORMALIZED TOTAL SALES (THERMS)	WEATHER ADJUSTMENT (THERMS)
15	JAN	2006	5,471	2,225,860	266,385	1,959,475	1,485.3	1,227.1	1.21041	2,371,777	2,638,163	412,303
16	FEB	2006	5,480	1,952,110	266,823	1,685,287	1,451.0	1,067.9	1.35874	2,289,869	2,556,692	604,582
17	MAR	2006	5,474	2,082,850	266,531	1,816,319	1,176.8	1,111.8	1.05846	1,922,508	2,189,039	106,189
18	APR	2006	5,436	1,356,180	264,681	1,091,499	831.0	731.2	1.13649	1,240,476	1,505,156	148,976
19	MAY	2006	5,385	558,830	262,198	296,632	411.5	358.0	1.14944	340,951	603,159	44,329
20	JUN	2006	5,354	377,000	260,688	116,312	170.5	130.4	1.30752	152,079	412,768	35,768
21	JUL	2006	5,324	259,610	259,610	-	24.1	9.8	0.00000	-	259,610	-
22	AUG	2006	5,325	232,230	232,230	-	1.6	-	0.00000	-	232,230	-
23	SEP	2006	5,348	287,060	287,060	-	74.6	71.5	0.00000	-	287,060	-
24	OCT	2006	5,432	486,060	264,486	221,574	291.3	306.9	0.94917	210,311	474,797	(11,263)
25	NOV	2006	5,462	1,092,340	265,947	826,393	639.0	710.2	0.89975	743,544	1,009,491	(82,849)
26	DEC	2006	5,484	1,876,660	267,018	1,611,662	1,155.7	1,085.6	1.06457	1,715,731	1,982,749	104,069
27			64,975	12,788,810	3,163,657	9,625,153				10,987,257	14,150,914	1,362,104
28												

*BASE LOAD = AVG SALES / CUST FOR 3 MO ENDING SEP 48.8904 SMALL COMMERCIAL

**Northwestern Energy
South Dakota - Gas
Weather Normalization**
Test Year Ending December 31, 2006

REVENUE CLASS : COMMERCIAL AND INDUSTRIAL - FIRM
Rate Code 84 Option A

LINE NO.	MONTH	YEAR	NUMBER OF CUSTOMERS	THERM SALES	BASE LOAD SALES (THERMS)	TEMP. SENSITIVE SALES (THERMS)	NORMAL HEATING DD	ACTUAL HEATING DD	NORMALIZATION FACTOR	NORMALIZED TEMP. SENSITIVE SALES (THERMS)	NORMALIZED TOTAL SALES (THERMS)	WEATHER ADJUSTMENT (THERMS)
29	JAN	2006	116	482,040	72,819	409,221	1,485.3	1,227.1	1.21041	495,327	568,146	86,106
30	FEB	2006	116	414,040	72,819	341,221	1,451.0	1,067.9	1.35874	463,631	536,450	122,410
31	MAR	2006	116	434,630	72,819	361,811	1,176.8	1,111.8	1.05846	382,964	455,783	21,153
32	APR	2006	116	293,260	72,819	220,461	831.0	731.2	1.13649	250,551	323,370	30,090
33	MAY	2006	116	140,910	72,819	68,091	411.5	358.0	1.14944	78,267	151,086	10,176
34	JUN	2006	117	95,450	73,447	23,003	170.5	130.4	1.30752	30,077	103,524	7,074
35	JUL	2006	117	73,990	73,990	-	24.1	9.8	0.00000	-	73,990	-
36	AUG	2006	117	65,910	65,910	-	1.6	-	0.00000	-	65,910	-
37	SEP	2006	117	80,440	80,440	-	74.6	71.5	0.00000	-	80,440	-
38	OCT	2006	117	141,440	73,447	67,993	291.3	306.9	0.94917	64,537	137,984	(3,456)
39	NOV	2006	116	269,330	72,819	196,511	639.0	710.2	0.89975	176,810	249,629	(19,701)
40	DEC	2006	116	442,010	72,819	369,191	1,155.7	1,085.6	1.06457	393,031	465,850	23,840
41			1,397	2,934,470	876,966	2,057,504				2,335,196	3,212,161	277,691
42									627.7493		COMMERCIAL AND INDUSTRIAL - FIRM	

REVENUE CLASS : COMMERCIAL AND INDUSTRIAL - INTERRUPTIBLE
Rate Code 85 Option A

LINE NO.	MONTH	YEAR	NUMBER OF CUSTOMERS	THERM SALES	BASE LOAD SALES (THERMS)	TEMP. SENSITIVE SALES (THERMS)	NORMAL HEATING DD	ACTUAL HEATING DD	NORMALIZATION FACTOR	NORMALIZED TEMP. SENSITIVE SALES (THERMS)	NORMALIZED TOTAL SALES (THERMS)	WEATHER ADJUSTMENT (THERMS)
43	JAN	2006	77	196,202	44,614	151,588	1,485.3	1,227.1	1.21041	183,484	228,098	31,896
44	FEB	2006	76	152,260	44,035	108,225	1,451.0	1,067.9	1.35874	147,050	191,085	38,825
45	MAR	2006	71	155,140	41,138	114,002	1,176.8	1,111.8	1.05846	120,667	161,805	6,665
46	APR	2006	69	105,831	39,979	66,852	831.0	731.2	1.13649	75,976	115,955	9,124
47	MAY	2006	72	40,753	41,717	(964)	411.5	358.0	1.14944	(1,109)	40,609	(144)
48	JUN	2006	69	34,576	39,979	(5,403)	170.5	130.4	1.30752	(7,065)	32,914	(1,662)
49	JUL	2006	72	57,459	57,459	-	24.1	9.8	0.00000	-	57,459	-
50	AUG	2006	67	32,368	32,368	-	1.6	-	0.00000	-	32,368	-
51	SEP	2006	69	30,690	30,690	-	74.6	71.5	0.00000	-	30,690	-
52	OCT	2006	108	171,151	62,576	108,575	291.3	306.9	0.94917	103,056	165,632	(5,519)
53	NOV	2006	79	670,224	45,773	624,451	639.0	710.2	0.89975	561,847	607,621	(62,603)
54	DEC	2006	69	125,622	39,979	85,643	1,155.7	1,085.6	1.06457	91,173	131,152	5,530
55			898	1,773,276	520,309	1,252,967				1,275,080	1,795,389	22,113
56									579.4097		COMMERCIAL AND INDUSTRIAL - INTERRUPTIBLE	

**Northwestern Energy
South Dakota - Gas
Weather Normalization**
Test Year Ending December 31, 2006

REVENUE CLASS : COMMERCIAL AND INDUSTRIAL - INTERRUPTIBLE
Rate Code 85 Option B

LINE NO.	MONTH	YEAR	NUMBER OF CUSTOMERS	THERM SALES	BASE LOAD SALES (THERMS)	TEMP. SENSITIVE SALES (THERMS)	NORMAL HEATING DD	ACTUAL HEATING DD	NORMALIZATION FACTOR	NORMALIZED TEMP. SENSITIVE SALES (THERMS)	NORMALIZED TOTAL SALES (THERMS)	WEATHER ADJUSTMENT (THERMS)
57	JAN	2006	3	76,588	22,217	54,371	1,485.3	1,227.1	1.21041	65,812	88,029	11,441
58	FEB	2006	3	57,910	22,217	35,693	1,451.0	1,067.9	1.35874	48,498	70,715	12,805
59	MAR	2006	4	86,560	29,622	56,938	1,176.8	1,111.8	1.05846	60,267	89,889	3,329
60	APR	2006	4	84,599	29,622	54,977	831.0	731.2	1.13649	62,481	92,103	7,504
61	MAY	2006	7	144,670	51,839	92,831	411.5	358.0	1.14944	106,704	158,543	13,873
62	JUN	2006	4	52,684	29,622	23,062	170.5	130.4	1.30752	30,154	59,776	7,092
63	JUL	2006	4	40,571	40,571	-	24.1	9.8	0.00000	-	40,571	-
64	AUG	2006	5	32,192	32,192	-	1.6	-	0.00000	-	32,192	-
65	SEP	2006	6	38,320	38,320	-	74.6	71.5	0.00000	-	38,320	-
66	OCT	2006	6	94,829	44,433	50,396	291.3	306.9	0.94917	47,834	92,267	(2,562)
67	NOV	2006	5	104,695	37,028	67,667	639.0	710.2	0.89975	60,883	97,911	(6,784)
68	DEC	2006	3	156,898	22,217	134,681	1,155.7	1,085.6	1.06457	143,378	165,595	8,697
69			54	970,516	399,899	570,617				626,011	1,025,910	55,394
70									7,405.5333			

BASE LOAD = AVG SALES / CUST FOR 3 MO ENDING SEP COMMERCIAL AND INDUSTRIAL - INTERRUPTIBLE

REVENUE CLASS : COMMERCIAL AND INDUSTRIAL - CONTRACT
Rate Code 86 Option A

LINE NO.	MONTH	YEAR	NUMBER OF CUSTOMERS	THERM SALES	BASE LOAD SALES (THERMS)	TEMP. SENSITIVE SALES (THERMS)	NORMAL HEATING DD	ACTUAL HEATING DD	NORMALIZATION FACTOR	NORMALIZED TEMP. SENSITIVE SALES (THERMS)	NORMALIZED TOTAL SALES (THERMS)	WEATHER ADJUSTMENT (THERMS)
71	JAN	2006	76	539,103	54,164	484,939	1,572	1,048	1.50000	727,409	781,573	242,470
72	FEB	2006	77	444,623	54,876	389,747	1,242	1,171	1.06063	413,378	468,254	23,631
73	MAR	2006	77	473,374	54,876	418,498	1,004	941	1.06695	446,516	501,392	28,018
74	APR	2006	77	388,717	54,876	333,841	567	408	1.38971	463,940	518,817	130,100
75	MAY	2006	77	162,261	54,876	107,385	242	239	1.01255	108,733	163,609	1,348
76	JUN	2006	77	99,456	54,876	44,580	49	20	2.45000	109,220	164,097	64,641
77	JUL	2006	77	57,939	57,939	-	8	-	0.00000	-	57,939	-
78	AUG	2006	77	50,545	50,545	-	21	2	0.00000	-	50,545	-
79	SEP	2006	77	56,145	56,145	-	180	242	0.00000	-	56,145	-
80	OCT	2006	77	82,632	54,876	27,756	530	627	0.84530	23,462	78,338	(4,294)
81	NOV	2006	77	233,611	54,876	178,735	996	942	1.05732	188,981	243,857	10,246
82	DEC	2006	76	334,865	54,164	280,701	1,423	1,162	1.22461	343,750	397,914	63,049
83			922	2,923,271	657,091	2,266,180				2,825,389	3,482,479	559,208
84									712.6797			

BASE LOAD = AVG SALES / CUST FOR 3 MO ENDING SEP CONTRACT - RATE 86A

Northwestern Energy
South Dakota - Gas
Weather Normalization
 Test Year Ending December 31, 2006

REVENUE CLASS : COMMERCIAL AND INDUSTRIAL - CONTRACT
 Rate Code 86 Option B

LINE NO.	MONTH	YEAR	NUMBER OF CUSTOMERS	THERM SALES	BASE LOAD SALES (THERMS)	TEMP. SENSITIVE SALES (THERMS)	NORMAL HEATING DD	ACTUAL HEATING DD	NORMALIZATION FACTOR	NORMALIZED TEMP. SENSITIVE SALES (THERMS)	NORMALIZED TOTAL SALES (THERMS)	WEATHER ADJUSTMENT (THERMS)
85	JAN	2006	1	46,143	403	45,741	1,572	1,048	1.50000	68,611	69,013	22,870
86	FEB	2006	1	35,978	403	35,576	1,242	1,171	1.06063	37,733	38,135	2,157
87	MAR	2006	1	30,876	403	30,474	1,004	941	1.06695	32,514	32,916	2,040
88	APR	2006	1	28,195	403	27,793	567	408	1.38971	38,623	39,026	10,831
89	MAY	2006	1	12,894	403	12,492	242	239	1.01255	12,648	13,051	157
90	JUN	2006	1	4,705	403	4,303	49	20	2.45000	10,541	10,944	6,239
91	JUL	2006	1	317	317	-	8	-	0.00000	-	317	-
92	AUG	2006	1	272	272	-	21	2	0.00000	-	272	-
93	SEP	2006	1	633	633	-	180	242	0.00000	-	633	-
94	OCT	2006	1	388	388	-	530	627	0.00000	-	388	-
95	NOV	2006	1	16,731	403	16,329	996	942	1.05732	17,265	17,667	936
96	DEC	2006	3	42,653	1,208	41,446	1,423	1,162	1.22461	50,755	51,962	9,309
97			14	219,785	5,635	214,150				268,589	274,324	54,539
98									402.5000	CONTRACT - RATE 86A		

REVENUE CLASS : SOUTH DAKOTA TRANSPORT
 Rate Code 87 Option A

LINE NO.	MONTH	YEAR	NUMBER OF CUSTOMERS	THERM SALES	BASE LOAD SALES (THERMS)	TEMP. SENSITIVE SALES (THERMS)	NORMAL HEATING DD	ACTUAL HEATING DD	NORMALIZATION FACTOR	NORMALIZED TEMP. SENSITIVE SALES (THERMS)	NORMALIZED TOTAL SALES (THERMS)	WEATHER ADJUSTMENT (THERMS)
99	JAN	2006	39	383,731	58,130	325,601	1,572	1,048	1.50000	488,401	546,531	162,800
100	FEB	2006	39	338,002	58,130	279,872	1,242	1,171	1.06063	296,841	354,971	16,969
101	MAR	2006	39	312,891	58,130	254,761	1,004	941	1.06695	271,817	329,947	17,066
102	APR	2006	40	254,446	59,621	194,825	567	408	1.38971	270,750	330,371	75,925
103	MAY	2006	40	112,770	59,621	53,149	242	239	1.01255	53,816	113,437	667
104	JUN	2006	40	88,502	59,621	28,881	49	20	2.45000	70,759	130,380	41,878
105	JUL	2006	40	61,937	61,937	-	8	-	0.00000	-	61,937	-
106	AUG	2006	40	55,505	55,505	-	21	2	0.00000	-	55,505	-
107	SEP	2006	40	61,420	61,420	-	180	242	0.00000	-	61,420	-
108	OCT	2006	40	87,142	59,621	27,521	530	627	0.84530	23,264	82,884	(4,258)
109	NOV	2006	40	428,023	59,621	368,402	996	942	1.05732	389,521	449,142	21,119
110	DEC	2006	40	287,315	59,621	227,694	1,423	1,162	1.22461	278,837	338,458	51,143
111			477	2,471,684	710,976	1,760,708				2,144,007	2,854,983	383,299
112									1,460.5167	SOUTH DAKOTA TRANSPORT		

Northwestern Energy
South Dakota - Gas
Weather Normalization
Test Year Ending December 31, 2006

REVENUE CLASS : SOUTH DAKOTA TRANSPORT
Rate Code 87 Option B

LINE NO.	MONTH	YEAR	NUMBER OF CUSTOMERS	THERM SALES	BASE LOAD SALES (THERMS)	TEMP. SENSITIVE SALES (THERMS)	NORMAL HEATING DD	ACTUAL HEATING DD	NORMALIZATION FACTOR	NORMALIZED TEMP. SENSITIVE SALES (THERMS)	NORMALIZED TOTAL SALES (THERMS)	WEATHER ADJUSTMENT (THERMS)
113	JAN	2006	46	2,507,094	1,369,163	1,137,931	1,572	1,048	1.50000	1,706,897	3,076,060	568,966
114	FEB	2006	46	2,354,151	1,369,163	984,888	1,242	1,171	1.06063	1,044,710	2,413,873	59,722
115	MAR	2006	46	2,217,864	1,369,163	848,701	1,004	941	1.06695	905,522	2,274,685	56,821
116	APR	2006	46	2,151,019	1,369,163	781,856	567	408	1.38971	1,086,550	2,455,713	304,694
117	MAY	2006	46	1,612,178	1,369,163	243,015	242	239	1.01255	246,066	1,615,228	3,050
118	JUN	2006	48	1,535,026	1,535,026	-	49	20	0.00000	-	1,535,026	-
119	JUL	2006	47	1,368,308	1,368,308	-	8	-	0.00000	-	1,368,308	-
120	AUG	2006	47	1,323,212	1,323,212	-	21	2	0.00000	-	1,323,212	-
121	SEP	2006	47	1,651,877	1,398,927	252,950	180	242	0.74380	188,144	1,587,072	(64,805)
122	OCT	2006	47	1,918,586	1,398,927	519,659	530	627	0.84530	439,265	1,838,192	(80,394)
123	NOV	2006	47	2,739,223	1,398,927	1,340,296	995	942	1.05732	1,417,128	2,816,055	76,832
124	DEC	2006	46	2,161,526	1,369,163	792,363	1,423	1,162	1.22461	970,338	2,339,501	177,975
125			559	23,540,064	16,638,304	6,901,760				8,004,620	24,642,924	1,102,860
126									29,764.4085			

BASE LOAD = AVG SALES / CUST FOR 3 MO ENDING AUG

SOUTH DAKOTA TRANSPORT

Sources:

- Columns (C) and (D): Exhibit _____ (MCB-2) Schedule 1-2
- Column (E): Column (C) * Baseload
- Column (F): Column (D) - Column (E)
- Column (G) and (H): Exhibit _____ (MCB-5) and Exhibit _____ (MCB-2) Schedule 1-2
- Column (I): Column (G) / Column (H)
- Column (J): Column (F) * Column (I)
- Column (K): Column (E) + Column (J)
- Column (L): Column (K) - Column (D)
- Lines 14, 28, 42, 56, 70, 84, 98, 112 and 126: Exhibit _____ (MCB-2) Schedule 1-2

Northwestern Energy
South Dakota - Gas
Weather Normalization
Test Year Ending December 31, 2006

LINE NO.	MONTH (A)	YEAR (B)	DEGREE DAYS		RESIDENTIAL	THERM SALES (F)	AVG USE
			NORMAL (C)	ACTUAL (D)	RATE 81 (E)		3 MONTH ENDING (G)
2	JAN	2006	1572	1048	36,304	4,410,880	98.0868
3	FEB	2006	1242	1171	36,290	3,978,170	113.0513
4	MAR	2006	1004	941	36,267	4,191,540	115.5656
5	APR	2006	567	408	36,136	2,778,410	100.7252
6	MAY	2006	242	239	35,913	1,230,890	75.7122
7	JUN	2006	49	20	35,781	704,810	43.7180
8	JUL	2006	8	0	35,741	441,920	22.1308
9	AUG	2006	21	2	35,741	376,670	14.2025
10	SEP	2006	180	242	36,037	480,480	12.0822
11	OCT	2006	530	627	36,409	1,035,580	17.4950
12	NOV	2006	996	942	36,554	2,369,030	35.6430
13	DEC	2006	<u>1423</u>	<u>1162</u>	<u>36,667</u>	<u>3,963,050</u>	67.2048
14			7,834	6,802	433,840	25,961,430	

**Northwestern Energy
South Dakota - Gas
Weather Normalization
Test Year Ending December 31, 2006**

LINE	SMALL COMMERCIAL RATE 82				COMMERCIAL AND INDUSTRIAL RATE 84A			
	NO.	MONTH (A)	YEAR (B)	CUSTOMERS (H)	THERM SALES (I)	AVG USE 3 MONTH ENDING (J)	CUSTOMERS (K)	THERM SALES (L)
2	JAN	2006	5,471	2,225,860	316.5548	116	482,040	3,429.2529
3	FEB	2006	5,480	1,952,110	368.5214	116	414,040	3,845.0862
4	MAR	2006	5,474	2,082,850	381.1763	116	434,630	3,823.8793
5	APR	2006	5,436	1,356,180	328.9286	116	293,280	3,281.4655
6	MAY	2006	5,385	558,830	245.3427	116	140,910	2,496.6092
7	JUN	2006	5,354	377,000	141.7008	117	96,450	1,520.4585
8	JUL	2006	5,324	259,610	74.4220	117	73,990	889.5714
9	AUG	2006	5,325	232,230	54.2923	117	65,910	673.3618
10	SEP	2006	5,348	287,060	48.6904	117	80,440	627.7493
11	OCT	2006	5,432	486,060	62.4247	117	141,440	819.9145
12	NOV	2006	5,462	1,092,340	114.8541	116	269,330	1,403.4571
13	DEC	2006	5,484	1,878,680	211.0807	116	442,010	2,443.4957
14			64,975	12,788,810		1,397	2,934,470	

Northwestern Energy
South Dakota - Gas
Weather Normalization
 Test Year Ending December 31, 2006

LINE	COMMERCIAL AND INDUSTRIAL INTERRUPTIBLE - RATE 85A					COMMERCIAL AND INDUSTRIAL INTERRUPTIBLE - RATE 85B			
	NO.	MONTH (A)	YEAR (B)	CUSTOMERS (N)	THERM SALES (O)	AVG USE 3 MONTH ENDING (P)	CUSTOMERS (Q)	THERM SALES (R)	AVG USE 3 MONTH ENDING (S)
2	JAN	2006	77	196,202	4,409.1022	3	76,588	30,743.7273	
3	FEB	2006	76	152,260	2,135.5135	3	57,910	32,377.3333	
4	MAR	2006	71	155,140	2,248.2232	4	86,560	22,105.8000	
5	APR	2006	69	106,831	1,917.7361	4	84,599	20,824.4545	
6	MAY	2006	72	40,753	1,427.9434	7	144,670	21,055.2667	
7	JUN	2006	69	34,576	867.4286	4	52,684	18,796.8667	
8	JUL	2006	72	57,459	623.4178	4	40,571	15,861.6667	
9	AUG	2006	67	32,368	598.0913	5	32,192	9,649.7692	
10	SEP	2006	69	30,690	579.4087	6	38,320	7,405.5333	
11	OCT	2006	108	171,151	959.8730	6	94,829	9,725.9412	
12	NOV	2006	79	670,224	3,406.5039	5	104,695	13,990.8235	
13	DEC	2006	69	125,622	3,777.3320	3	156,898	25,458.7143	
14			898	1,773,276		54	970,516		

Northwestern Energy
South Dakota - Gas
Weather Normalization
Test Year Ending December 31, 2006

LINE	COMMERCIAL AND INDUSTRIAL CONTRACT - RATE 86A					COMMERCIAL AND INDUSTRIAL CONTRACT - RATE 86B				
	NO.	MONTH	YEAR	CUSTOMERS	THERM SALES	AVG USE 3 MONTH ENDING	CUSTOMERS	THERM SALES	AVG USE 4 MONTH ENDING	
	(A)	(B)	(T)	(U)	(V)	(W)	(X)	(Y)		
2	JAN	2006	76	539,103	4,836.5895	1	46,143	17,652.5000		
3	FEB	2006	77	444,623	5,758.0393	1	35,978	23,584.1667		
4	MAR	2006	77	473,374	6,335.2174	1	30,876	25,941.6667		
5	APR	2006	77	388,717	5,656.7706	1	28,195	35,298.0000		
6	MAY	2006	77	162,261	4,434.4242	1	12,894	26,985.7500		
7	JUN	2006	77	99,456	2,815.7316	1	4,705	19,167.5000		
8	JUL	2006	77	57,939	1,383.7922	1	317	11,527.7500		
9	AUG	2006	77	50,545	900.1732	1	272	4,547.0000		
10	SEP	2006	77	56,145	712.6797	1	633	1,481.7500		
11	OCT	2006	77	82,632	819.5758	1	388	402.5000		
12	NOV	2006	77	233,611	1,612.0693	1	16,731	4,506.0000		
13	DEC	2006	76	334,865	2,830.9043	3	42,653	10,067.5000		
14			922	2,923,271		14	219,785			

**Northwestern Energy
South Dakota - Gas
Weather Normalization
Test Year Ending December 31, 2006**

LINE	SOUTH DAKOTA TRANSPORT RATE 87A					SOUTH DAKOTA TRANSPORT RATE 87B			
	NO.	MONTH	YEAR	CUSTOMERS	THERM SALES	AVG USE 3 MONTH	CUSTOMERS	THERM SALES	AVG USE 3 MONTH
	(A)	(B)	(Z)	(AA)	(AB)	(AC)	(AD)	(AE)	
2	JAN	2006	39	383,731	9,235.8739	46	2,507,094	53,293.8345	
3	FEB	2006	39	338,002	8,551.2542	46	2,354,151	50,889.6449	
4	MAR	2006	39	312,891	8,842.9402	46	2,217,864	51,297.8913	
5	APR	2006	40	254,446	7,672.3644	46	2,151,019	48,717.6377	
6	MAY	2006	40	112,770	5,715.1849	46	1,612,178	43,341.0217	
7	JUN	2006	40	88,502	3,797.6500	48	1,535,026	37,844.4500	
8	JUL	2006	40	61,937	2,193.4083	47	1,368,308	32,024.9078	
9	AUG	2006	40	55,505	1,716.2000	47	1,323,212	29,764.4085	
10	SEP	2006	40	61,420	1,490.5167	47	1,651,877	30,804.2340	
11	OCT	2006	40	87,142	1,700.5583	47	1,918,586	34,706.9149	
12	NOV	2006	40	428,023	4,804.8750	47	2,739,223	44,749.5461	
13	DEC	2006	40	287,315	6,687.3333	46	2,161,526	48,709.5357	
14			477	2,471,684		559	23,540,064		

Sources:

Column (C): NOAA Monthly Station Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1971 - 2000 for South Dakota, Climatology of the United States No. 81 (Revised)

Column (D): NOAA Climatological Data for South Dakota Volume 111 Number 01 to Volume 111 Number 12

Columns (E), (F), (H), (I), (K), AND (L): Statement I, Page 1 of 1

Columns (N), (O), (Q), (R), (T), (U), (W), (X), (Z), (AA), (AC) AND (AD): Response to Data Request 8-4

Northwestern Energy
South Dakota - Gas
Weather Normalization - Freeman
 Test Year Ending December 31, 2006

WEATHER STATION: Menno
 REVENUE CLASS : RESIDENTIAL
 Rate Code 81 - FREEMAN

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
LINE NO.	MONTH	YEAR	NUMBER OF CUSTOMERS	BASE LOAD THERM SALES (THERMS)	TEMP. SENSITIVE SALES (THERMS)	NORMAL HEATING DD	ACTUAL HEATING DD	NORMALIZATION FACTOR	NORMALIZED TEMP. SENSITIVE SALES (THERMS)	NORMALIZED TOTAL SALES (THERMS)	WEATHER ADJUSTMENT (THERMS)
1	JAN	2006	296	24,703	2,056	22,647	1475	947	1.55755	35,273	12,627
2	FEB	2006	298	30,474	2,070	28,404	1138	1122	1.01426	28,809	405
3	MAR	2006	298	26,703	2,070	24,633	907	919	0.98694	24,311	(322)
4	APR	2006	295	9,841	2,049	7,792	487	310	1.57097	12,240	4,449
5	MAY	2006	296	6,393	2,056	4,337	183	163	1.12270	4,869	532
6	JUN	2006	294	2,501	2,501	-	24	9	0.00000	-	-
7	JUL	2006	290	1,659	1,659	-	9	0	0.00000	-	-
8	AUG	2006	291	1,919	1,919	-	21	0	0.00000	-	-
9	SEP	2006	291	3,546	2,022	1,524	119	172	0.69186	1,055	(470)
10	OCT	2006	292	10,423	2,029	8,394	436	516	0.84496	7,093	(1,301)
11	NOV	2006	290	22,403	2,015	20,388	943	864	1.09144	22,252	1,864
12	DEC	2006	292	29,461	2,029	27,432	1362	1097	1.24157	34,059	6,627
13			3,523	170,026	24,476	145,550				169,951	24,411
14									6.9474	RESIDENTIAL	

BASE LOAD = AVG SALES / CUST FOR 3 MO ENDING AUG

REVENUE CLASS : COMMERCIAL AND INDUSTRIAL - SMALL
 Rate Code 82 - FREEMAN

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)
LINE NO.	MONTH	YEAR	NUMBER OF CUSTOMERS	BASE LOAD THERM SALES (THERMS)	TEMP. SENSITIVE SALES (THERMS)	NORMAL HEATING DD	ACTUAL HEATING DD	NORMALIZATION FACTOR	NORMALIZED TEMP. SENSITIVE SALES (THERMS)	NORMALIZED TOTAL SALES (THERMS)	WEATHER ADJUSTMENT (THERMS)
15	JAN	2006	59	20,146	895	19,251	1,475	947	1.55755	29,984	10,733
16	FEB	2006	59	24,148	895	23,253	1,138	1,122	1.01426	23,584	332
17	MAR	2006	58	21,468	880	20,588	907	919	0.98694	20,319	(269)
18	APR	2006	57	6,404	865	5,539	487	310	1.57097	8,701	3,163
19	MAY	2006	57	3,576	865	2,711	183	163	1.12270	3,044	333
20	JUN	2006	56	871	850	-	24	9	0.00000	-	(21)
21	JUL	2006	57	956	966	-	9	-	0.00000	-	-
22	AUG	2006	57	743	743	-	21	-	0.00000	-	-
23	SEP	2006	57	1,304	865	439	119	172	0.69186	304	(135)
24	OCT	2006	57	6,135	865	5,270	436	516	0.84496	4,453	(817)
25	NOV	2006	57	16,740	865	15,875	943	864	1.09144	17,326	1,452
26	DEC	2006	57	24,629	865	23,764	1,362	1,097	1.24157	29,505	5,741
27			688	127,130	10,420	116,689				137,220	20,510
28									16.1765	COMMERCIAL AND INDUSTRIAL - SMALL	

BASE LOAD = AVG SALES / CUST FOR 3 MO ENDING AUG

Northwestern Energy
 South Dakota - Gas
 Weather Normalization - Freeman
 Test Year Ending December 31, 2006

REVENUE CLASS : COMMERCIAL AND INDUSTRIAL - LG METERS
 Rate Code 84 Option A - FREEMAN

LINE NO.	MONTH	YEAR	NUMBER OF CUSTOMERS	THERM SALES	BASE LOAD SALES (THERMS)	TEMP. SENSITIVE SALES (THERMS)	NORMAL HEATING DD	ACTUAL HEATING DD	NORMALIZATION FACTOR	NORMALIZED TEMP. SENSITIVE SALES (THERMS)	NORMALIZED TOTAL SALES (THERMS)	WEATHER ADJUSTMENT (THERMS)
29	JAN	2006	4	19,619	3,596	16,023	1,475	947	1.55755	24,957	28,553	8,934
30	FEB	2006	4	23,973	3,596	20,377	1,138	1,122	1.01426	20,668	24,264	291
31	MAR	2006	4	22,613	3,596	19,017	907	919	0.98694	18,769	22,365	(248)
32	APR	2006	4	10,463	3,596	6,867	487	310	1.57097	10,788	14,384	3,921
33	MAY	2006	4	7,828	3,596	4,232	183	163	1.12270	4,752	8,347	519
34	JUN	2006	4	4,682	4,682	-	24	9	0.00000	-	4,682	-
35	JUL	2006	4	2,662	2,662	-	9	-	0.00000	-	2,662	-
36	AUG	2006	4	3,443	3,443	-	21	-	0.00000	-	3,443	-
37	SEP	2006	4	6,390	3,596	2,794	119	172	0.69186	1,933	5,529	(861)
38	OCT	2006	4	10,959	3,596	7,373	436	516	0.84496	6,230	9,826	(1,143)
39	NOV	2006	4	18,758	3,596	15,162	943	864	1.09144	16,549	20,144	1,386
40	DEC	2006	4	23,467	3,596	19,871	1,362	1,097	1.24157	24,672	28,267	4,800
41			48	154,867	43,148	111,719				129,318	172,466	17,599
42									898.9167			

BASE LOAD = AVG SALES / CUST FOR 3 MO ENDING AUG

COMMERCIAL AND INDUSTRIAL - LG METERS

Sources:

- Columns (C) and (D): Exhibit ____ (MCB-2) Schedule 2-2
- Column (E): Column (C) * BaseLoad
- Column (F): Column (D) - Column (E)
- Column (G) and (H): Exhibit ____ (MCB-2) Schedule 2-2
- Column (I): Column (G) / Column (H)
- Column (J): Column (F) * Column (I)
- Column (K): Column (E) + Column (J)
- Column (L): Column (K) - Column (D)
- Lines 14, 28, and 42: Exhibit ____ (MCB-2) Schedule 2-2

Northwestern Energy
South Dakota - Gas
Weather Normalization - Freeman
Test Year Ending December 31, 2006

LINE			FREEMAN DEGREE DAYS		RESIDENTIAL RATE CODE 81	AVG USE 3 MONTH	
	NO.	MONTH (A)	YEAR (B)	NORMAL (C)	ACTUAL (D)	CUSTOMERS (E)	THERM SALES (F)
1	JAN	2006	1475	947	296	24,703	87.2062
2	FEB	2006	1138	1122	298	30,474	95.5282
3	MAR	2006	907	919	298	26,703	91.7937
4	APR	2006	487	310	295	9,841	75.2166
5	MAY	2006	183	163	296	6,393	48.2981
6	JUN	2006	24	9	294	2,501	21.1695
7	JUL	2006	9	0	290	1,659	11.9920
8	AUG	2006	21	0	291	1,919	6.9474
9	SEP	2006	119	172	291	3,546	8.1697
10	OCT	2006	436	516	292	10,423	18.1785
11	NOV	2006	943	864	290	22,403	41.6632
12	DEC	2006	<u>1362</u>	<u>1097</u>	<u>292</u>	<u>29,461</u>	71.2666
13			7,104	6,119	3,523	170,026	

Northwestern Energy
South Dakota - Gas
Weather Normalization - Freeman
 Test Year Ending December 31, 2006

LINE	COMMERCIAL AND INDUSTRIAL - SMALL RATE CODE 82						COMMERCIAL AND INDUSTRIAL - LG METERS RATE CODE 84 (OPTION A)			
	NO.	MONTH (A)	YEAR (B)	CUSTOMERS (H)	THERM SALES (I)	AVG USE 3 MONTH ENDING (J)	CUSTOMERS (K)	THERM SALES (L)	AVG USE 3 MONTH ENDING (M)	
1	JAN	2006	59	20,146	355.5780	4	19,619	5,153.6667		
2	FEB	2006	59	24,148	393.8457	4	23,973	5,588.2500		
3	MAR	2006	58	21,468	373.6477	4	22,613	5,517.0833		
4	APR	2006	57	6,404	298.9655	4	10,463	4,754.0833		
5	MAY	2006	57	3,576	182.8372	4	7,828	3,408.6667		
6	JUN	2006	56	871	63.8294	4	4,682	1,914.4167		
7	JUL	2006	57	966	31.8412	4	2,662	1,264.3333		
8	AUG	2006	57	743	15.1765	4	3,443	898.9167		
9	SEP	2006	57	1,304	17.6199	4	6,390	1,041.2500		
10	OCT	2006	57	6,135	47.8480	4	10,969	1,733.5000		
11	NOV	2006	57	16,740	141.3977	4	18,758	3,009.7500		
12	DEC	2006	57	24,629	277.8012	4	23,467	4,432.8333		
13			688	127,130		48	154,867			

Sources:

Column (C): NOAA Monthly Station Normals of Temperature, Precipitation, and Heating and Cooling Degree Days 1971 - 2000 for South Dakota, Climatology of the United States No. 81 (Revised)

Column (D): NOAA Climatological Data for South Dakota Volume 111 Number 01 to Volume 111 Number 12

Columns (E), (F), (H), (I), (K), AND (L): City of Freeman, Historical Use Summary - 9/13/2007 and Response to Data Request 7-6

**Northwestern Public Service
South Dakota - Gas
Revenue Increase**

Line No.	RATE STEP	THERMS (A)	THERMS (B)	TOTAL MARGIN (C) Test Year Revenue	REVISED (D) Proposed Revenue	INCREASE (F) Revenue (Inc./Dec.)	PERCENT INCREASE (G) Percent (Inc./Dec.)
REVENUE INCREASE by RATE CODE							
1	RATE 81	29,007,280	29,007,280	\$ 7,147,898	\$ 7,779,610	\$ 631,712	8.8%
2	RATE 82	14,298,554	14,298,554	2,085,374	2,269,605	184,231	8.8%
3	RATE 84 (OPTION A&B)	3,212,161	3,212,161	124,632	140,693	16,061	12.9%
4	RATE 85 (OPTION A&B)	4,403,020	4,403,020	359,706	376,608	16,901	4.7%
5	RATE 86 (OPTION A&B)	3,756,803	3,756,803	218,396	236,604	18,208	8.3%
6	RATE 87 (OPTION A&B)	27,497,908	27,497,908	859,969	945,708	85,739	10.0%
7	COMBINED RATE 84, 85, 86, and 87 Sum of Line 3, 4, 5, and 6	38,869,893	38,869,893	1,562,704	1,699,613	136,909	8.8%
8	CONTRACTS with DEVIATIONS	153,247,466	153,247,466	3,586,630	3,586,630	0	0.0%
9	TOTAL (Sum of Lines 1, 2, 7, and 8)	235,423,192	235,423,192	\$ 14,382,606	\$ 15,335,458	\$ 952,852	6.6%

**Northwestern Public Service
South Dakota - Gas
Residential - Rate 81 and Small Commercial - Rate 82**

LINE NO.	CLASS OF SERVICE & RATE SCHEDULE CODE (A)	TYPE OF CHARGE	UNIT (B)	PRESENT QUANTITIES (C)	PROPOSED QUANTITIES (D)	PRESENT RATES (E)	PROPOSED RATES (F)	PRESENT REVENUES (G)	PROPOSED REVENUES (H)	REVENUE INC./DEC. (I)
1	Residential - Rate Code 81									
2										
3	ALL THERMS CURRENTLY (FIRST 30)	Therms		9,574,705	9,574,705	0.2055	0.2122	1,967,602	2,031,752	64,151
4	EXCESS	Therms		16,386,725	16,386,725	0.1270	0.1337	2,081,114	2,190,905	109,791
5										
6		CUSTOMER CHARGE BILL		433,840	433,840	6.00	7.00	2,603,040	3,036,880	433,840
7										
8		SUBTOTAL		25,961,430	25,961,430			6,651,756	7,259,538	607,782 0
9	Rate 81 - Weather Normalization									
10	ALL THERMS CURRENTLY (FIRST 30)	Therms		1,051,615	1,051,615	0.2055	0.2122	216,107	223,153	7,046
11	EXCESS	Therms		1,799,798	1,799,798	0.1270	0.1337	228,574	240,633	12,059
12										
13		CUSTOMER CHARGE BILL		0	0	6.00	7.00	0	0	0
14										
15		SUBTOTAL		2,851,413	2,851,413			444,681	463,786	19,104
16	Rate 81 - Freeman									
17	ALL THERMS CURRENTLY (FIRST 30)	Therms		62,706	62,706	0.2055	0.2122	12,886	13,306	420
18	EXCESS	Therms		107,320	107,320	0.1270	0.1337	13,630	14,349	719
19										
20		CUSTOMER CHARGE BILL		3,523	3,523	6.00	7.00	21,138	24,661	3,523
21										
22		SUBTOTAL		170,026	170,026			47,654	52,316	4,662
23	Rate 81 - Weater Normalization - Freeman									
24	ALL THERMS CURRENTLY (FIRST 30)	Therms		9,003	9,003	0.2055	0.2122	1,850	1,910	60
25	EXCESS	Therms		15,408	15,408	0.1270	0.1337	1,957	2,060	103
26										
27		CUSTOMER CHARGE BILL		0	0	6.00	7.00	0	0	0
28										
29		SUBTOTAL		24,411	24,411			3,807	3,970	164
30		TOTAL		29,007,280	29,007,280			7,147,898	7,779,610	631,712

**Northwestern Public Service
South Dakota - Gas
Residential - Rate 81 and Small Commercial - Rate 82**

LINE NO.	CLASS OF SERVICE & RATE SCHEDULE CODE	TYPE OF CHARGE	UNIT	PRESENT QUANTITIES	PROPOSED QUANTITIES	PRESENT RATES	PROPOSED RATES	PRESENT REVENUES	PROPOSED REVENUES	REVENUE INC./DEC.
31	Small Commercial - Rate Code 82									
32										
33	ALL THERMS CURRENTLY (FIRST 400)	Therms		7,994,038	7,994,038	0.1309	0.1346	1,046,420	1,075,998	29,578
34		NEXT 1,600	Therms	4,235,999	4,235,999	0.0891	0.0928	377,428	393,101	15,673
35		EXCESS	Therms	558,773	558,773	0.0541	0.0578	30,230	32,297	2,067
36										
37		CUSTOMER CHARGE	BILL	64,975	64,975	7.00	9.00	454,825	584,775	129,950
38										
39		SUBTOTAL		12,788,810	12,788,810			1,908,902	2,086,170	177,269
40	Rate 82 - Weather Normalization									
41										
42	ALL THERMS CURRENTLY (FIRST 400)	Therms		851,425	851,425	0.1309	0.1346	111,452	114,602	3,150
43		NEXT 1,600	Therms	451,166	451,166	0.0891	0.0928	40,199	41,868	1,669
44		EXCESS	Therms	59,514	59,514	0.0541	0.0578	3,220	3,440	220
45										
46		CUSTOMER CHARGE	BILL	0	0	7.00	9.00	0	0	0
47										
48		SUBTOTAL		1,362,104	1,362,104			154,870	159,910	5,040
49	Rate 82 - Freeman									
50										
51	ALL THERMS CURRENTLY (FIRST 400)	Therms		79,467	79,467	0.1309	0.1346	10,402	10,696	294
52		NEXT 1,600	Therms	42,109	42,109	0.0891	0.0928	3,752	3,908	156
53		EXCESS	Therms	5,555	5,555	0.0541	0.0578	301	321	21
54										
55		CUSTOMER CHARGE	BILL	688	688	7.00	9.00	4,816	6,192	1,376
56										
57		SUBTOTAL		127,130	127,130			19,271	21,117	1,846
58	Rate 82 - Weather Normalization - Freeman									
59										
60	ALL THERMS CURRENTLY (FIRST 400)	Therms		12,820	12,820	0.1309	0.1346	1,678	1,726	47
61		NEXT 1,600	Therms	6,793	6,793	0.0891	0.0928	605	630	25
62		EXCESS	Therms	896	896	0.0541	0.0578	48	52	3
63										
64		CUSTOMER CHARGE	BILL	0	0	7.00	9.00	0	0	0
65										
66		SUBTOTAL		20,510	20,510			2,332	2,408	76
67		TOTAL		14,298,554	14,298,554			2,085,374	2,269,605	184,231

Northwestern Public Service
 South Dakota - Gas
 Large Commercial/Industrial Firm - Rate 84 (Option A)

LINE NO.	CLASS OF SERVICE & RATE SCHEDULE CODE (A)	TYPE OF CHARGE	UNIT (B)	PRESENT QUANTITIES (C)	PROPOSED QUANTITIES (D)	PRESENT RATES (E)	PROPOSED RATES (F)	PRESENT REVENUES (G)	PROPOSED REVENUES (H)	REVENUE INC./DEC. (I)	PERCENT INC./DEC. (J)
1	Large Commercial/Industrial Firm - Rate Code 84 (Option A)										
2											
3		ALL THERMS	Therms	2,934,470	2,934,470	0.0388	0.0438	113,857	128,530	14,672	
4											
5		CUSTOMER CHARGE	BILL	1,397	1,397	80.00	80.00	111,760	111,760	0	
6											
7		SUBTOTAL		2,934,470	2,934,470			113,857	128,530	14,672	
8											
9	Large Commercial/Industrial Firm - Rate Code 84 (Option A) - Weather Normalization										
10											
11		ALL THERMS	Therms	277,691	277,691	0.0388	0.0438	10,774	12,163	1,388	
12											
13		CUSTOMER CHARGE	BILL	0	0	80.00	80.00	0	0	0	
14											
11											
12		SUBTOTAL		277,691	277,691			10,774	12,163	1,388	
13		TOTAL		3,212,161	3,212,161			124,632	140,693	16,061	12.9%

Northwestern Public Service
South Dakota - Gas
Large Commercial/Industrial Interruptible - Rate 85 (Option A and B)

LINE NO.	CLASS OF SERVICE & RATE SCHEDULE CODE (A)	TYPE OF CHARGE	UNIT (B)	PRESENT QUANTITIES (C)	PROPOSED QUANTITIES (D)	PRESENT RATES (E)	PROPOSED RATES (F)	PRESENT REVENUES (G)	PROPOSED REVENUES (H)	REVENUE INC./DEC. (I)	PERCENT INC./DEC. (J)
1	Large Commercial/Industrial										
2	Interruptible - Rate Code 85 (Option A)										
3		ALL THERMS	Therms	1,773,276	1,773,276	0.0388	0.0438	68,803	77,669	8,866	
4											
5		CUSTOMER CHARGE	BILL	898	898	80.00	80.00	71,840	71,840	0	
6											
7		SUBTOTAL		1,773,276	1,773,276			140,643	149,509	8,866	
8	Rate 85 (Option A) - Weather Normalization										
9											
10		ALL THERMS	Therms	22,113	22,113	0.0388	0.0438	858	969	111	
11											
12		CUSTOMER CHARGE	BILL	0	0	80.00	80.00	0	0	0	
13											
14		SUBTOTAL		22,113	22,113			858	969	111	
15		TOTAL		1,795,389	1,795,389			141,501	150,478	8,977	6.3%

Northwestern Public Service
South Dakota - Gas
Large Commercial/Industrial Interruptible - Rate 85 (Option A and B)

LINE NO.	CLASS OF SERVICE & RATE SCHEDULE CODE (A)	TYPE OF CHARGE (B)	UNIT (B)	PRESENT QUANTITIES (C)	PROPOSED QUANTITIES (D)	PRESENT RATES (E)	PROPOSED RATES (F)	PRESENT REVENUES (G)	PROPOSED REVENUES (H)	REVENUE INC./DEC. (I)	PERCENT INC./DEC. (J)
Large Commercial/Industrial Interruptible - Rate Code 85 (Option A) - Freeman											
16											
17											
18		ALL THERMS	Therms	154,867	154,867	0.0388	0.0438	6,009	6,783	774	
19											
20		CUSTOMER CHARGE	BILL	48	48	80.00	80.00	3,840	3,840	0	
21											
22		SUBTOTAL		154,867	154,867			9,849	10,623	774	
Large Commercial/Industrial Interruptible - Rate 85 (Option A) - Weather Normalization - Freeman											
23											
24											
25		ALL THERMS	Therms	17,599	17,599	0.0388	0.0438	683	771	88	
26											
27		CUSTOMER CHARGE	BILL	0	0	80.00	80.00	0	0	0	
28											
29		SUBTOTAL		17,599	17,599			683	771	88	
30		TOTAL		172,466	172,466			10,532	11,394	862	8.2%

**Northwestern Public Service
South Dakota - Gas
Large Commercial/Industrial Interruptible - Rate 85 (Option A and B)**

LINE NO.	CLASS OF SERVICE & RATE SCHEDULE (A)	TYPE OF CHARGE (B)	UNIT (C)	PRESENT QUANTITIES (D)	PROPOSED QUANTITIES (E)	PRESENT RATES (F)	PROPOSED RATES (G)	PRESENT REVENUES (H)	PROPOSED REVENUES (I)	REVENUE INC./DEC. (J)	PERCENT INC./DEC. (K)
31	Large Commercial/Industrial Interruptible - Rate Code 85 (Option B)										
32											
33		ALL THERMS	Therms	970,516	970,516	0.0204	0.0233	19,799	22,613	2,814	
34											
35		CUSTOMER CHARGE	BILL	-54	54	280.00	280.00	15,120	15,120	0	
36											
37		SUBTOTAL		970,516	970,516			34,919	37,733	2,814	
38	Rate 85 (Option B) - Weather Normalization										
39											
40		ALL THERMS	Therms	55,394	55,394	0.0204	0.0233	1,130	1,291	161	
41											
42		CUSTOMER CHARGE	BILL	0	0	280.00	280.00	0	0	0	
43											
44		SUBTOTAL		55,394	55,394			1,130	1,291	161	
45											
46		TOTAL		1,025,910	1,025,910			36,049	39,024	2,975	8.3%
47	Rate 85 - AMPI										
48											
49		ALL THERMS	Therms	1,409,256	1,409,256	0.1194	0.1223	168,265	172,352	4,087	
50											
51		CUSTOMER CHARGE	BILL	12	12	280.00	280.00	3,360	3,360	0	
52											
53		TOTAL		1,409,256	1,409,256			171,625	175,712	4,087	2.4%
54		GRAND TOTAL		4,403,020	4,403,020			359,706	376,608	16,901	4.7%

**Northwestern Energy
South Dakota - Gas**

Large Commercial/Industrial Interruptible - Rate Code 86 (Option A and B)

LINE NO.	CLASS OF SERVICE & RATE SCHEDULE CODE (A)	TYPE OF CHARGE	UNIT (B)	PRESENT QUANTITIES (C)	PROPOSED QUANTITIES (D)	PRESENT RATES (E)	PROPOSED RATES (F)	PRESENT REVENUES (G)	PROPOSED REVENUES (H)	REVENUE INC./DEC. (I)	PERCENT INC./DEC. (J)
Commercial and Interruptible - Rate Code 86 (Option A) - Contract Sales Service											
1											
2											
3		ALL THERMS	Therms	2,923,271	2,923,271	0.0388	0.0438	113,423	128,039	14,616	
4											
5		CUSTOMER CHARGE	BILL	922	922	80.00	80.00	73,760	73,760	0	
6											
7		SUBTOTAL		2,923,271	2,923,271			187,183	201,799	14,616	
Commercial and Interruptible - Weather Normalization - Rate Code 86 (Option A) - Contract Sales Service											
8											
9											
10		ALL THERMS	Therms	559,208	559,208	0.0388	0.0438	21,697	24,493	2,796	
11											
12		CUSTOMER CHARGE	BILL	0	0	80.00	80.00	0	0	0	
13											
14		SUBTOTAL		559,208	559,208			21,697	24,493	2,796	
15											
16		TOTAL		3,482,479	3,482,479			208,880	226,293	17,412	8.3%

Northwestern Energy
South Dakota - Gas
Large Commercial/Industrial Interruptible - Rate Code 86 (Option A and B)

LINE NO.	CLASS OF SERVICE & RATE SCHEDULE CODE (A)	TYPE OF CHARGE (B)	UNIT (B)	PRESENT QUANTITIES (C)	PROPOSED QUANTITIES (D)	PRESENT RATES (E)	PROPOSED RATES (F)	PRESENT REVENUES (G)	PROPOSED REVENUES (H)	REVENUE INC./DEC. (I)	PERCENT INC./DEC. (J)
Commercial and Interruptible - Rate Code 86 (Option B) - Contract Sales Service											
17											
18											
19		ALL THERMS	Therms	219,785	219,785	0.0204	0.0233	4,484	5,121	637	
20											
21		CUSTOMER CHARGE	BILL	14	14	280.00	280.00	3,920	3,920	0	
22											
23			SUBTOTAL	219,785	219,785			8,404	9,041	637	
Commercial and Interruptible - Weather Normalization - Rate Code 86 (Option B) - Contract Sales Service											
24											
25											
26		ALL THERMS	Therms	54,539	54,539	0.0204	0.0233	1,113	1,271	158	
27											
28		CUSTOMER CHARGE	BILL	0	0	280.00	280.00	0	0	0	
29											
30			SUBTOTAL	54,539	54,539			1,113	1,271	158	
31											
32			TOTAL	274,324	274,324			9,516	10,312	796	8.4%
33			GRAND TOTAL	3,756,803	3,756,803			218,396	236,604	18,208	8.3%

**Northwestern Public Service
South Dakota - Gas
Transportation - Rate 87 (Option A and B)**

LINE NO.	CLASS OF SERVICE & RATE SCHEDULE CODE (A)	TYPE OF CHARGE (B)	UNIT (B)	PRESENT QUANTITIES (C)	PROPOSED QUANTITIES (D)	PRESENT RATES (E)	PROPOSED RATES (F)	PRESENT REVENUES (G)	PROPOSED REVENUES (H)	REVENUE INC./DEC. (I)	PERCENT INC./DEC. (J)
1	South Dakota Transportation - Rate Code 87 (Option A)										
2											
3		ALL THERMS	Therms	2,471,684	2,471,684	0.0388	0.0438	95,901	108,260	12,358	
4											
5		CUSTOMER CHARGE	BILL	477	477	130.00	130.00	62,010	62,010	0	
6											
7		SUBTOTAL		2,471,684	2,471,684			157,911	170,270	12,358	
8	South Dakota Transportation - Weather Normalization - Rate Code 87 (Option A)										
9											
10		ALL THERMS	Therms	383,299	383,299	0.0388	0.0438	14,872	16,789	1,916	
11											
12		CUSTOMER CHARGE	BILL	0	0	130.00	130.00	0	0	0	
13											
14		SUBTOTAL		383,299	383,299			14,872	16,789	1,916	
15											
16		TOTAL		2,854,983	2,854,983			172,783	187,058	14,275	8.26%

**Northwestern Public Service
South Dakota - Gas
Transportation - Rate 87 (Option A and B)**

LINE NO.	CLASS OF SERVICE & RATE SCHEDULE CODE (A)	TYPE OF CHARGE	UNIT (B)	PRESENT QUANTITIES (C)	PROPOSED QUANTITIES (D)	PRESENT RATES (E)	PROPOSED RATES (F)	PRESENT REVENUES (G)	PROPOSED REVENUES (H)	REVENUE INC./DEC. (I)	PERCENT INC./DEC. (J)
17	South Dakota Transportation - Rate Code 87 (Option B)										
18											
19		ALL THERMS	Therms	23,540,064	23,540,064	0.0204	0.0233	480,217	548,483	68,266	
20											
21		CUSTOMER CHARGE	BILL	559	559	330.00	330.00	184,470	184,470	0	
22											
23		SUBTOTAL		23,540,064	23,540,064			664,687	732,953	68,266	
24	South Dakota Transportation - Weather Normalization - Rate Code 87 (Option B)										
25											
26		ALL THERMS	Therms	1,102,860	1,102,860	0.0204	0.0233	22,498	25,697	3,198	
27											
28		CUSTOMER CHARGE	BILL	0	0	330.00	330.00	0	0	0	
29											
30		SUBTOTAL		1,102,860	1,102,860			22,498	25,697	3,198	
31											
32		TOTAL		24,642,924	24,642,924			687,186	758,650	71,464	10.40%
33		GRAND TOTAL		27,497,908	27,497,908			859,969	945,708	85,739	9.97%

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Northwestern Public Service
 South Dakota - Gas
 Rate Code 81, 82, and 84
 Rate Comparison

LINE NO.		PRESENT	PROPOSED
1	CUSTOMER CHARGE	\$6.00	\$7.00
2	FIRST 30 THERMS	\$0.20550	\$0.21220
3	EXCESS THERMS	\$0.12700	\$0.13370
4	PGA and OTHER ADJ.	\$0.94180	\$0.94180

Residential - Rate Code 81

0.967

	THERMS	PRESENT RATE	PROPOSED RATE	AMOUNT OF INCREASE/ (DECREASE)	% INCREASE/ (DECREASE)	MONTH	AVERAGE THERMS	PRESENT RATE	PROPOSED RATE	AMOUNT OF INCREASE/ (DECREASE)	PERCENT INCREASE/ (DECREASE)
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
5	0	\$6.00	\$7.00	\$1.00	16.67%	JAN	145	\$163.33	\$165.30	\$1.97	1.2%
6	10	17.47	18.54	1.07	6.11%	FEB	145	\$163.33	\$165.30	\$1.97	1.2%
7	25	34.68	35.85	1.17	3.37%	MAR	122	\$138.75	\$140.57	\$1.82	1.3%
8	50	61.80	63.13	1.34	2.16%	APR	86	\$100.27	\$101.85	\$1.58	1.6%
9	75	88.52	90.02	1.50	1.70%	MAY	38	\$48.97	\$50.22	\$1.25	2.6%
10	80	93.86	95.40	1.54	1.64%	JUN	22	\$31.24	\$32.39	\$1.15	3.7%
11	100	115.24	116.91	1.67	1.45%	JUL	12	\$19.77	\$20.85	\$1.08	5.5%
12	125	141.96	143.79	1.84	1.29%	AUG	11	\$18.62	\$19.69	\$1.07	5.8%
13	150	168.68	170.68	2.01	1.19%	SEP	13	\$20.91	\$22.00	\$1.09	5.2%
14	175	195.40	197.57	2.17	1.11%	OCT	28	\$38.12	\$39.31	\$1.19	3.1%
15	200	222.12	224.46	2.34	1.05%	NOV	60	\$72.48	\$73.89	\$1.40	1.9%
16	225	248.84	251.34	2.51	1.01%	DEC	114	<u>\$130.20</u>	<u>\$131.96</u>	<u>\$1.76</u>	<u>1.4%</u>
17	250	275.56	278.23	2.68	0.97%	TOTAL	796	\$946.00	\$963.33	\$17.33	1.8%
18	300	329.00	332.01	3.01	0.91%						
19	400	435.88	439.56	3.68	0.84%						
20	500	542.76	547.11	4.35	0.80%						

AVERAGE MONTHLY USE = 66 Therms

Northwestern Public Service
 South Dakota - Gas
 Rate Code 81, 82, and 84
 Rate Comparison

LINE NO.		PRESENT	PROPOSED
21	CUSTOMER CHARGE	\$7.00	\$9.00
22	FIRST 400 THERMS	\$0.13090	\$0.13460
23	NEXT 1,600 THERMS	\$0.08910	\$0.09280
24	EXCESS THERMS	\$0.05410	\$0.05780
25	PGA and OTHER ADJ.	\$0.94320	\$0.94320

SMALL COMMERCIAL - Rate Code 82

	THERMS (A)	PRESENT RATE (B)	PROPOSED RATE (C)	AMOUNT OF INCREASE/ (DECREASE) (D)	% INCREASE/ (DECREASE) (E)	MONTH (F)	AVERAGE THERMS (G)	PRESENT RATE (H)	PROPOSED RATE (I)	AMOUNT OF INCREASE/ (DECREASE) (J)	PERCENT INCREASE/ (DECREASE) (K)
26	0	7.00	9.00	\$2.00	28.57%	JAN	482	518.42	522.20	3.78	0.7%
27	50	60.71	62.89	2.19	3.60%	FEB	467	503.46	507.19	3.73	0.7%
28	100	114.41	116.78	2.37	2.07%	MAR	400	436.64	440.12	3.48	0.8%
29	200	221.82	224.56	2.74	1.24%	APR	277	304.53	307.55	3.02	1.0%
30	350	382.94	386.23	3.30	0.86%	MAY	112	127.30	129.71	2.41	1.9%
31	500	539.87	543.72	3.85	0.71%	JUN	77	89.71	91.99	2.28	2.5%
32	750	797.95	802.72	4.77	0.60%	JUL	49	59.63	61.81	2.18	3.7%
33	1000	1,056.02	1,061.72	5.70	0.54%	AUG	44	54.26	56.42	2.16	4.0%
34	1500	1,572.17	1,579.72	7.55	0.48%	SEP	54	65.00	67.20	2.20	3.4%
35	2000	2,088.32	2,097.72	9.40	0.45%	OCT	87	100.45	102.77	2.32	2.3%
36	2500	2,586.97	2,598.22	11.25	0.43%	NOV	185	205.71	208.39	2.68	1.3%
37	3,000	3,085.62	3,098.72	13.10	0.42%	DEC	362	395.82	399.16	3.34	0.8%
38						TOTAL	2,596	\$2,860.92	\$2,894.53	\$33.61	1.2%
39						AVERAGE MONTHLY USE = 218 Therms					

Northwestern Public Service
 South Dakota - Gas
 Rate Code 81, 82, and 84
 Rate Comparison

LINE NO.		PRESENT	PROPOSED
38	CUSTOMER CHARGE	\$80.00	\$80.00
39	ALL THERMS	\$0.03880	\$0.04380
40	PGA and OTHER ADJ.	\$1.65960	\$1.65960

LARGE COMMERCIAL/INDUSTRIAL FIRM - RATE CODE 84 (OPTION A)

	THERMS	PRESENT RATE	PROPOSED RATE	AMOUNT OF INCREASE/ (DECREASE)	% INCREASE/ (DECREASE)	MONTH	AVERAGE THERMS	PRESENT RATE	PROPOSED RATE	AMOUNT OF INCREASE/ (DECREASE)	PERCENT INCREASE/ (DECREASE)
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
41	0	80.00	80.00	\$0.00	0.00%	JAN	4,898	8,398.76	8,423.25	24.49	0.3%
42	250	504.60	505.85	1.25	0.25%	FEB	4,625	7,935.10	7,958.23	23.13	0.3%
43	500	929.20	931.70	2.50	0.27%	MAR	3,929	6,753.01	6,772.66	19.65	0.3%
44	750	1,353.80	1,357.55	3.75	0.28%	APR	2,788	4,815.14	4,829.08	13.94	0.3%
45	1,000	1,778.40	1,783.40	5.00	0.28%	MAY	1,302	2,291.32	2,297.83	6.51	0.3%
46	1,500	2,627.60	2,635.10	7.50	0.29%	JUN	885	1,583.08	1,587.51	4.42	0.3%
47	2,000	3,476.80	3,486.80	10.00	0.29%	JUL	632	1,153.39	1,156.55	3.16	0.3%
48	3,000	5,175.20	5,190.20	15.00	0.29%	AUG	563	1,036.20	1,039.01	2.82	0.3%
49	4,000	6,873.60	6,893.60	20.00	0.29%	SEP	688	1,248.50	1,251.94	3.44	0.3%
50	5,000	8,572.00	8,597.00	25.00	0.29%	OCT	1,179	2,082.41	2,088.31	5.89	0.3%
51	6,000	10,270.40	10,300.40	30.00	0.29%	NOV	2,152	3,734.96	3,745.72	10.76	0.3%
52	7,000	11,968.80	12,003.80	35.00	0.29%	DEC	4,016	6,900.77	6,920.85	20.08	0.3%
53	8,000	13,667.20	13,707.20	40.00	0.29%	TOTAL	27,657	\$47,932.65	\$48,070.93	\$138.28	0.3%

54

AVERAGE MONTHLY USE = 2,299 Therms

Northwestern Energy
South Dakota - Gas

Daily Temperature and Billing Cycle Data
Huron AP

Test Year Ending December 31, 2006

Revenue Month	Bill Cycle	Start Date	End Date	Min Of Date	Max Of Date	Count Of Date	Sum Of HDD 65	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	Actual (H)	Normal (I)
Jan-06	1	12/01/05	12/29/05	30-Nov-05	28-Dec-05	28	1426	1313
Jan-06	2	12/02/05	12/30/05	1-Dec-05	29-Dec-05	28	1408	1323
Jan-06	3	12/03/05	01/03/06	2-Dec-05	2-Jan-06	31	1497	1483
Jan-06	4	12/06/05	01/04/06	5-Dec-05	3-Jan-06	29	1335	1409
Jan-06	5	12/07/05	01/05/06	6-Dec-05	4-Jan-06	29	1301	1418
Jan-06	6	12/08/05	01/06/06	7-Dec-05	5-Jan-06	29	1273	1426
Jan-06	7	12/09/05	01/09/06	8-Dec-05	8-Jan-06	31	1319	1536
Jan-06	8	12/10/05	01/10/06	9-Dec-05	9-Jan-06	31	1289	1544
Jan-06	9	12/13/05	01/11/06	12-Dec-05	10-Jan-06	29	1207	1462
Jan-06	10	12/14/05	01/12/06	13-Dec-05	11-Jan-06	29	1203	1468
Jan-06	11	12/15/05	01/13/06	14-Dec-05	12-Jan-06	29	1199	1474
Jan-06	12	12/16/05	01/16/06	15-Dec-05	15-Jan-06	31	1256	1582
Jan-06	13	12/17/05	01/17/06	16-Dec-05	16-Jan-06	31	1248	1587
Jan-06	14	12/20/05	01/18/06	19-Dec-05	17-Jan-06	29	1112	1499
Jan-06	15	12/21/05	01/19/06	20-Dec-05	18-Jan-06	29	1089	1503
Jan-06	16	12/22/05	01/20/06	21-Dec-05	19-Jan-06	29	1067	1507
Jan-06	17	12/23/05	01/23/06	22-Dec-05	22-Jan-06	31	1129	1612
Jan-06	18	12/24/05	01/24/06	23-Dec-05	23-Jan-06	31	1129	1615
Jan-06	19	12/28/05	01/25/06	27-Dec-05	24-Jan-06	28	1027	1472
Jan-06	20	12/29/05	01/26/06	28-Dec-05	25-Jan-06	28	1027	1473
Jan 06 Average							1227.1	1485.3
Feb-06	1	12/30/05	01/30/06	29-Dec-05	29-Jan-06	31	1099	1623
Feb-06	2	12/31/05	01/31/06	30-Dec-05	30-Jan-06	31	1096	1622
Feb-06	3	01/04/06	02/01/06	3-Jan-06	31-Jan-06	28	975	1470
Feb-06	4	01/05/06	02/02/06	4-Jan-06	1-Feb-06	28	971	1468
Feb-06	5	01/06/06	02/03/06	5-Jan-06	2-Feb-06	28	963	1465
Feb-06	6	01/07/06	02/06/06	6-Jan-06	5-Feb-06	30	1055	1558
Feb-06	7	01/10/06	02/07/06	9-Jan-06	6-Feb-06	28	988	1452
Feb-06	8	01/11/06	02/08/06	10-Jan-06	7-Feb-06	28	992	1448
Feb-06	9	01/12/06	02/09/06	11-Jan-06	8-Feb-06	28	1006	1444
Feb-06	10	01/13/06	02/10/06	12-Jan-06	9-Feb-06	28	1009	1439
Feb-06	11	01/14/06	02/13/06	13-Jan-06	12-Feb-06	30	1112	1525
Feb-06	12	01/17/06	02/14/06	16-Jan-06	13-Feb-06	28	1052	1416
Feb-06	13	01/18/06	02/15/06	17-Jan-06	14-Feb-06	28	1047	1410
Feb-06	14	01/19/06	02/16/06	18-Jan-06	15-Feb-06	28	1053	1403
Feb-06	15	01/20/06	02/17/06	19-Jan-06	16-Feb-06	28	1074	1396
Feb-06	16	01/21/06	02/20/06	20-Jan-06	19-Feb-06	30	1226	1475
Feb-06	17	01/24/06	02/21/06	23-Jan-06	20-Feb-06	28	1155	1365
Feb-06	18	01/25/06	02/22/06	24-Jan-06	21-Feb-06	28	1159	1356
Feb-06	19	01/26/06	02/23/06	25-Jan-06	22-Feb-06	28	1158	1347
Feb-06	20	01/27/06	02/24/06	26-Jan-06	23-Feb-06	28	1168	1338
Feb 06 Average							1067.9	1451.0
Mar-06	1	01/31/06	02/28/06	30-Jan-06	27-Feb-06	28	1208	1301
Mar-06	2	02/01/06	03/01/06	31-Jan-06	28-Feb-06	28	1202	1291
Mar-06	3	02/02/06	03/02/06	1-Feb-06	1-Mar-06	28	1199	1281
Mar-06	4	02/03/06	03/03/06	2-Feb-06	2-Mar-06	28	1208	1271
Mar-06	5	02/04/06	03/06/06	3-Feb-06	5-Mar-06	30	1270	1336
Mar-06	6	02/07/06	03/07/06	6-Feb-06	6-Mar-06	28	1172	1229
Mar-06	7	02/08/06	03/08/06	7-Feb-06	7-Mar-06	28	1153	1218
Mar-06	8	02/09/06	03/09/06	8-Feb-06	8-Mar-06	28	1137	1207
Mar-06	9	02/10/06	03/10/06	9-Feb-06	9-Mar-06	28	1115	1195
Mar-06	10	02/11/06	03/13/06	10-Feb-06	12-Mar-06	30	1167	1253
Mar-06	11	02/14/06	03/14/06	13-Feb-06	13-Mar-06	28	1077	1150
Mar-06	12	02/15/06	03/15/06	14-Feb-06	14-Mar-06	28	1084	1138
Mar-06	13	02/16/06	03/16/06	15-Feb-06	15-Mar-06	28	1088	1126
Mar-06	14	02/17/06	03/17/06	16-Feb-06	16-Mar-06	28	1084	1114
Mar-06	15	02/18/06	03/20/06	17-Feb-06	19-Mar-06	30	1138	1165

Sources:

Columns (B), (C), and (D): Provided by Northwestern Energy

Column (H): Actual Number of HDDs in Billing Period

Column (I): Normal Number of HDDs in Billing Period

Northwestern Energy
South Dakota - Gas

Daily Temperature and Billing Cycle Data
Huron AP

Test Year Ending December 31, 2006

Revenue Month	Bill Cycle	Start Date	End Date	Min Of Date	Max Of Date	Count Of Date	Sum Of HDD 65	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	Actual (H)	Normal (I)
Mar-06	16	02/21/06	03/21/06	20-Feb-06	20-Mar-06	28	983	1066
Mar-06	17	02/22/06	03/22/06	21-Feb-06	21-Mar-06	28	976	1053
Mar-06	18	02/23/06	03/23/06	22-Feb-06	22-Mar-06	28	974	1041
Mar-06	19	02/24/06	03/24/06	23-Feb-06	23-Mar-06	28	975	1028
Mar-06	20	02/25/06	03/27/06	24-Feb-06	26-Mar-06	30	1026	1072
Mar 06 Average							1111.8	1176.8
Apr-06	1	03/01/06	03/30/06	28-Feb-06	29-Mar-06	29	936	991
Apr-06	2	03/02/06	03/31/06	1-Mar-06	30-Mar-06	29	919	978
Apr-06	3	03/03/06	04/03/06	2-Mar-06	2-Apr-06	31	963	1015
Apr-06	4	03/04/06	04/04/06	3-Mar-06	3-Apr-06	31	948	1000
Apr-06	5	03/07/06	04/05/06	6-Mar-06	4-Apr-06	29	874	887
Apr-06	6	03/08/06	04/06/06	7-Mar-06	5-Apr-06	29	841	874
Apr-06	7	03/09/06	04/07/06	8-Mar-06	6-Apr-06	29	832	861
Apr-06	8	03/10/06	04/10/06	9-Mar-06	9-Apr-06	31	868	914
Apr-06	9	03/11/06	04/11/06	10-Mar-06	10-Apr-06	31	847	900
Apr-06	10	03/14/06	04/12/06	13-Mar-06	11-Apr-06	29	773	817
Apr-06	11	03/15/06	04/13/06	14-Mar-06	12-Apr-06	29	738	803
Apr-06	12	03/16/06	04/14/06	15-Mar-06	13-Apr-06	29	697	790
Apr-06	13	03/17/06	04/17/06	16-Mar-06	16-Apr-06	31	674	814
Apr-06	14	03/18/06	04/18/06	17-Mar-06	17-Apr-06	31	643	800
Apr-06	15	03/21/06	04/19/06	20-Mar-06	18-Apr-06	29	550	723
Apr-06	16	03/22/06	04/20/06	21-Mar-06	19-Apr-06	29	539	709
Apr-06	17	03/23/06	04/21/06	22-Mar-06	20-Apr-06	29	520	696
Apr-06	18	03/24/06	04/24/06	23-Mar-06	23-Apr-06	31	520	715
Apr-06	19	03/25/06	04/25/06	24-Mar-06	24-Apr-06	31	507	701
Apr-06	20	03/28/06	04/26/06	27-Mar-06	25-Apr-06	29	434	631
Apr 06 Average							731.2	831.0
May-06	1	03/31/06	04/27/06	30-Mar-06	26-Apr-06	27	397	565
May-06	2	04/01/06	04/28/06	31-Mar-06	27-Apr-06	27	395	553
May-06	3	04/04/06	05/01/06	3-Apr-06	30-Apr-06	27	359	517
May-06	4	04/05/06	05/02/06	4-Apr-06	1-May-06	27	345	506
May-06	5	04/06/06	05/03/06	5-Apr-06	2-May-06	27	338	494
May-06	6	04/07/06	05/04/06	6-Apr-06	3-May-06	27	354	483
May-06	7	04/08/06	05/05/06	7-Apr-06	4-May-06	27	364	472
May-06	8	04/11/06	05/08/06	10-Apr-06	7-May-06	27	341	438
May-06	9	04/12/06	05/09/06	11-Apr-06	8-May-06	27	346	427
May-06	10	04/13/06	05/10/06	12-Apr-06	9-May-06	27	342	416
May-06	11	04/14/06	05/11/06	13-Apr-06	10-May-06	27	344	405
May-06	12	04/15/06	05/12/06	14-Apr-06	11-May-06	27	362	394
May-06	13	04/18/06	05/15/06	17-Apr-06	14-May-06	27	394	362
May-06	14	04/19/06	05/16/06	18-Apr-06	15-May-06	27	397	352
May-06	15	04/20/06	05/17/06	19-Apr-06	16-May-06	27	389	342
May-06	16	04/21/06	05/18/06	20-Apr-06	17-May-06	27	373	332
May-06	17	04/22/06	05/19/06	21-Apr-06	18-May-06	27	361	322
May-06	18	04/25/06	05/22/06	24-Apr-06	21-May-06	27	339	292
May-06	19	04/26/06	05/23/06	25-Apr-06	22-May-06	27	320	283
May-06	20	04/27/06	05/24/06	26-Apr-06	23-May-06	27	299	274
May 06 Average							358.0	411.5
Jun-06	1	04/28/06	05/30/06	27-Apr-06	29-May-06	32	280	288
Jun-06	2	04/29/06	05/31/06	28-Apr-06	30-May-06	32	275	278
Jun-06	3	05/02/06	06/01/06	1-May-06	31-May-06	30	239	242
Jun-06	4	05/03/06	06/02/06	2-May-06	1-Jun-06	30	228	233
Jun-06	5	05/04/06	06/05/06	3-May-06	4-Jun-06	32	219	230
Jun-06	6	05/05/06	06/06/06	4-May-06	5-Jun-06	32	202	221
Jun-06	7	05/06/06	06/07/06	5-May-06	6-Jun-06	32	180	212
Jun-06	8	05/09/06	06/08/06	8-May-06	7-Jun-06	30	142	182
Jun-06	9	05/10/06	06/09/06	9-May-06	8-Jun-06	30	134	174

Sources:

Columns (B), (C), and (D): Provided by Northwestern Energy
Column (H): Actual Number of HDDs in Billing Period
Column (I): Normal Number of HDDs in Billing Period

**Northwestern Energy
South Dakota - Gas**

**Daily Temperature and Billing Cycle Data
Huron AP**

Test Year Ending December 31, 2006

Revenue Month	Bill Cycle	Start Date	End Date	Min Of Date	Max Of Date	Count Of Date	Sum Of HDD 65	
(A)	(B)	(C)	(D)	(E)	(F)	(G)	Actual (H)	Normal (I)
Jun-06	10	05/11/06	06/12/06	10-May-06	11-Jun-06	32	144	170
Jun-06	11	05/12/06	06/13/06	11-May-06	12-Jun-06	32	133	163
Jun-06	12	05/13/06	06/14/06	12-May-06	13-Jun-06	32	115	156
Jun-06	13	05/16/06	06/15/06	15-May-06	14-Jun-06	30	70	131
Jun-06	14	05/17/06	06/16/06	16-May-06	15-Jun-06	30	55	125
Jun-06	15	05/18/06	06/19/06	17-May-06	18-Jun-06	32	46	121
Jun-06	16	05/19/06	06/20/06	18-May-06	19-Jun-06	32	41	115
Jun-06	17	05/20/06	06/21/06	19-May-06	20-Jun-06	32	37	109
Jun-06	18	05/23/06	06/22/06	22-May-06	21-Jun-06	30	24	91
Jun-06	19	05/24/06	06/23/06	23-May-06	22-Jun-06	30	22	86
Jun-06	20	05/25/06	06/26/06	24-May-06	25-Jun-06	32	22	83
Jun 06 Average							130.4	170.5
Jul-06	1	05/31/06	06/29/06	30-May-06	28-Jun-06	29	23	57
Jul-06	2	06/01/06	06/30/06	31-May-06	29-Jun-06	29	20	53
Jul-06	3	06/02/06	07/03/06	1-Jun-06	2-Jul-06	31	20	49
Jul-06	4	06/03/06	07/05/06	2-Jun-06	4-Jul-06	32	20	45
Jul-06	5	06/06/06	07/06/06	5-Jun-06	5-Jul-06	30	20	36
Jul-06	6	06/07/06	07/07/06	6-Jun-06	6-Jul-06	30	20	33
Jul-06	7	06/08/06	07/10/06	7-Jun-06	9-Jul-06	32	20	30
Jul-06	8	06/09/06	07/11/06	8-Jun-06	10-Jul-06	32	20	28
Jul-06	9	06/10/06	07/12/06	9-Jun-06	11-Jul-06	32	20	26
Jul-06	10	06/13/06	07/13/06	12-Jun-06	12-Jul-06	30	2	20
Jul-06	11	06/14/06	07/14/06	13-Jun-06	13-Jul-06	30	1	18
Jul-06	12	06/15/06	07/17/06	14-Jun-06	16-Jul-06	32	1	16
Jul-06	13	06/16/06	07/18/06	15-Jun-06	17-Jul-06	32	1	14
Jul-06	14	06/17/06	07/19/06	16-Jun-06	18-Jul-06	32	1	13
Jul-06	15	06/20/06	07/20/06	19-Jun-06	19-Jul-06	30	1	10
Jul-06	16	06/21/06	07/21/06	20-Jun-06	20-Jul-06	30	1	9
Jul-06	17	06/22/06	07/24/06	21-Jun-06	23-Jul-06	32	1	8
Jul-06	18	06/23/06	07/25/06	22-Jun-06	24-Jul-06	32	1	7
Jul-06	19	06/24/06	07/26/06	23-Jun-06	25-Jul-06	32	1	6
Jul-06	20	06/27/06	07/27/06	26-Jun-06	26-Jul-06	30	1	3
Jul 06 Average							9.8	24.1
Aug-06	1	06/30/06	07/31/06	29-Jun-06	30-Jul-06	31	0	0
Aug-06	2	07/01/06	08/01/06	30-Jun-06	31-Jul-06	31	0	0
Aug-06	3	07/04/06	08/02/06	3-Jul-06	1-Aug-06	29	0	0
Aug-06	4	07/06/06	08/03/06	5-Jul-06	2-Aug-06	28	0	0
Aug-06	5	07/07/06	08/04/06	6-Jul-06	3-Aug-06	28	0	0
Aug-06	6	07/08/06	08/07/06	7-Jul-06	6-Aug-06	30	0	0
Aug-06	7	07/11/06	08/08/06	10-Jul-06	7-Aug-06	28	0	0
Aug-06	8	07/12/06	08/09/06	11-Jul-06	8-Aug-06	28	0	0
Aug-06	9	07/13/06	08/10/06	12-Jul-06	9-Aug-06	28	0	0
Aug-06	10	07/14/06	08/11/06	13-Jul-06	10-Aug-06	28	0	0
Aug-06	11	07/15/06	08/14/06	14-Jul-06	13-Aug-06	30	0	0
Aug-06	12	07/18/06	08/15/06	17-Jul-06	14-Aug-06	28	0	0
Aug-06	13	07/19/06	08/16/06	18-Jul-06	15-Aug-06	28	0	0
Aug-06	14	07/20/06	08/17/06	19-Jul-06	16-Aug-06	28	0	0
Aug-06	15	07/21/06	08/18/06	20-Jul-06	17-Aug-06	28	0	1
Aug-06	16	07/22/06	08/21/06	21-Jul-06	20-Aug-06	30	0	4
Aug-06	17	07/25/06	08/22/06	24-Jul-06	21-Aug-06	28	0	5
Aug-06	18	07/26/06	08/23/06	25-Jul-06	22-Aug-06	28	0	6
Aug-06	19	07/27/06	08/24/06	26-Jul-06	23-Aug-06	28	0	7
Aug-06	20	07/28/06	08/25/06	27-Jul-06	24-Aug-06	28	0	8
Aug 06 Average							0.0	1.6
Sep-06	1	08/01/06	08/30/06	31-Jul-06	29-Aug-06	29	2	17
Sep-06	2	08/02/06	08/31/06	1-Aug-06	30-Aug-06	29	2	19
Sep-06	3	08/03/06	09/01/06	2-Aug-06	31-Aug-06	29	2	21

Sources:

Columns (B), (C), and (D): Provided by Northwestern Energy

Column (H): Actual Number of HDDs in Billing Period

Column (I): Normal Number of HDDs in Billing Period

Northwestern Energy
South Dakota - Gas

Daily Temperature and Billing Cycle Data
Huron AP
Test Year Ending December 31, 2006

Revenue Month	Bill Cycle	Start Date	End Date	Min Of Date	Max Of Date	Count Of Date	Sum Of HDD 65	
							Actual	Normal
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Sep-06	4	08/04/06	09/05/06	3-Aug-06	4-Sep-06	32	28	33
Sep-06	5	08/05/06	09/06/06	4-Aug-06	5-Sep-06	32	29	36
Sep-06	6	08/08/06	09/07/06	7-Aug-06	6-Sep-06	30	29	39
Sep-06	7	08/09/06	09/08/06	8-Aug-06	7-Sep-06	30	29	43
Sep-06	8	08/10/06	09/11/06	9-Aug-06	10-Sep-06	32	46	55
Sep-06	9	08/11/06	09/12/06	10-Aug-06	11-Sep-06	32	51	60
Sep-06	10	08/12/06	09/13/06	11-Aug-06	12-Sep-06	32	59	65
Sep-06	11	08/15/06	09/14/06	14-Aug-06	13-Sep-06	30	59	70
Sep-06	12	08/16/06	09/15/06	15-Aug-06	14-Sep-06	30	59	75
Sep-06	13	08/17/06	09/18/06	16-Aug-06	17-Sep-06	32	73	93
Sep-06	14	08/18/06	09/19/06	17-Aug-06	18-Sep-06	32	90	99
Sep-06	15	08/19/06	09/20/06	18-Aug-06	19-Sep-06	32	109	105
Sep-06	16	08/22/06	09/21/06	21-Aug-06	20-Sep-06	30	90	109
Sep-06	17	08/23/06	09/22/06	22-Aug-06	21-Sep-06	30	109	115
Sep-06	18	08/24/06	09/25/06	23-Aug-06	24-Sep-06	32	180	138
Sep-06	19	08/25/06	09/26/06	24-Aug-06	25-Sep-06	32	191	146
Sep-06	20	08/26/06	09/27/06	25-Aug-06	26-Sep-06	32	193	154
Sep 06 Average							71.5	74.6
Oct-06	1	08/31/06	09/29/06	30-Aug-06	28-Sep-06	29	229	164
Oct-06	2	09/01/06	10/02/06	31-Aug-06	1-Oct-06	31	242	193
Oct-06	3	09/02/06	10/03/06	1-Sep-06	2-Oct-06	31	243	202
Oct-06	4	09/06/06	10/04/06	5-Sep-06	3-Oct-06	28	217	201
Oct-06	5	09/07/06	10/05/06	6-Sep-06	4-Oct-06	28	229	210
Oct-06	6	09/08/06	10/06/06	7-Sep-06	5-Oct-06	28	243	219
Oct-06	7	09/09/06	10/09/06	8-Sep-06	8-Oct-06	30	243	240
Oct-06	8	09/12/06	10/10/06	11-Sep-06	9-Oct-06	28	243	255
Oct-06	9	09/13/06	10/11/06	12-Sep-06	10-Oct-06	28	254	264
Oct-06	10	09/14/06	10/12/06	13-Sep-06	11-Oct-06	28	265	274
Oct-06	11	09/15/06	10/13/06	14-Sep-06	12-Oct-06	28	278	284
Oct-06	12	09/16/06	10/16/06	15-Sep-06	15-Oct-06	30	305	294
Oct-06	13	09/19/06	10/17/06	18-Sep-06	16-Oct-06	28	330	325
Oct-06	14	09/20/06	10/18/06	19-Sep-06	17-Oct-06	28	357	336
Oct-06	15	09/21/06	10/19/06	20-Sep-06	18-Oct-06	28	387	347
Oct-06	16	09/22/06	10/20/06	21-Sep-06	19-Oct-06	28	402	358
Oct-06	17	09/23/06	10/23/06	22-Sep-06	22-Oct-06	30	403	409
Oct-06	18	09/26/06	10/24/06	25-Sep-06	23-Oct-06	28	408	405
Oct-06	19	09/27/06	10/25/06	26-Sep-06	24-Oct-06	28	425	417
Oct-06	20	09/28/06	10/26/06	27-Sep-06	25-Oct-06	28	435	429
Oct 06 Average							306.9	291.3
Nov-06	1	09/30/06	10/27/06	29-Sep-06	26-Oct-06	27	506	432
Nov-06	2	10/03/06	10/30/06	2-Oct-06	29-Oct-06	27	554	470
Nov-06	3	10/04/06	10/31/06	3-Oct-06	30-Oct-06	27	585	483
Nov-06	4	10/05/06	11/01/06	4-Oct-06	31-Oct-06	27	626	497
Nov-06	5	10/06/06	11/02/06	5-Oct-06	1-Nov-06	27	654	510
Nov-06	6	10/07/06	11/03/06	6-Oct-06	2-Nov-06	27	681	524
Nov-06	7	10/10/06	11/06/06	9-Oct-06	5-Nov-06	27	744	568
Nov-06	8	10/11/06	11/07/06	10-Oct-06	6-Nov-06	27	745	582
Nov-06	9	10/12/06	11/08/06	11-Oct-06	7-Nov-06	27	731	597
Nov-06	10	10/13/06	11/09/06	12-Oct-06	8-Nov-06	27	700	611
Nov-06	11	10/14/06	11/10/06	13-Oct-06	9-Nov-06	27	688	626
Nov-06	12	10/17/06	11/13/06	16-Oct-06	12-Nov-06	27	717	672
Nov-06	13	10/18/06	11/14/06	17-Oct-06	13-Nov-06	27	746	687
Nov-06	14	10/19/06	11/15/06	18-Oct-06	14-Nov-06	27	750	703
Nov-06	15	10/20/06	11/16/06	19-Oct-06	15-Nov-06	27	753	718
Nov-06	16	10/21/06	11/17/06	20-Oct-06	16-Nov-06	27	765	734
Nov-06	17	10/24/06	11/20/06	23-Oct-06	19-Nov-06	27	788	780
Nov-06	18	10/25/06	11/21/06	24-Oct-06	20-Nov-06	27	781	796

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Northwestern Energy
South Dakota - Gas
Daily Temperature and Billing Cycle Data
Huron AP

Test Year Ending December 31, 2006

Revenue Month	Bill Cycle	Start Date	End Date	Min Of Date	Max Of Date	Count Of Date	Sum Of HDD 65	
							Actual (H)	Normal (I)
(A)	(B)	(C)	(D)	(E)	(F)	(G)		
Nov-06	19	10/26/06	11/22/06	25-Oct-06	21-Nov-06	27	781	811
Nov-06	20	10/27/06	11/27/06	26-Oct-06	26-Nov-06	31	909	978
Nov 06 Average							710.2	639.0
Dec-06	1	10/28/06	11/28/06	27-Oct-06	27-Nov-06	31	924	995
Dec-06	2	10/31/06	11/29/06	30-Oct-06	28-Nov-06	29	905	965
Dec-06	3	11/01/06	11/30/06	31-Oct-06	29-Nov-06	29	928	981
Dec-06	4	11/02/06	12/01/06	1-Nov-06	30-Nov-06	29	942	996
Dec-06	5	11/03/06	12/04/06	2-Nov-06	3-Dec-06	31	1046	1095
Dec-06	6	11/04/06	12/05/06	3-Nov-06	4-Dec-06	31	1046	1111
Dec-06	7	11/07/06	12/06/06	6-Nov-06	5-Dec-06	29	995	1071
Dec-06	8	11/08/06	12/07/06	7-Nov-06	6-Dec-06	29	1026	1086
Dec-06	9	11/09/06	12/08/06	8-Nov-06	7-Dec-06	29	1079	1100
Dec-06	10	11/10/06	12/11/06	9-Nov-06	10-Dec-06	31	1178	1202
Dec-06	11	11/11/06	12/12/06	10-Nov-06	11-Dec-06	31	1201	1217
Dec-06	12	11/14/06	12/13/06	13-Nov-06	12-Dec-06	29	1138	1169
Dec-06	13	11/15/06	12/14/06	14-Nov-06	13-Dec-06	29	1139	1182
Dec-06	14	11/16/06	12/15/06	15-Nov-06	14-Dec-06	29	1143	1195
Dec-06	15	11/17/06	12/18/06	16-Nov-06	17-Dec-06	31	1210	1300
Dec-06	16	11/18/06	12/19/06	17-Nov-06	18-Dec-06	31	1210	1313
Dec-06	17	11/21/06	12/20/06	20-Nov-06	19-Dec-06	29	1138	1256
Dec-06	18	11/22/06	12/21/06	21-Nov-06	20-Dec-06	29	1137	1267
Dec-06	19	11/23/06	12/22/06	22-Nov-06	21-Dec-06	29	1148	1279
Dec-06	20	11/28/06	12/27/06	27-Nov-06	26-Dec-06	29	1178	1333
Dec 06 Average							1085.6	1155.7

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