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January 4, 2009

PUBLIC SERVICE COMMISSION

Darrell Nitschke,
Executive Secretary
North Dakota Public Service Commission
State Capitol
600 East Boulevard
Bismarck, ND 58505-0480

**RE: Filing Pursuant to NDPSC Cogeneration and Small Power Production Rules
(Chapter 69-09-07)**

Dear Mr. Nitschke:

Enclosed is your copy of the Company's Cogeneration and Small Power Production compliance filing. A copy of the non-proprietary work papers is also attached for your information.

If you have any questions, please call me at 612-330-6128, or Dave Sederquist at 701-241-8632.

Sincerely,

/ S /

Phil Zins
Manager, Pricing and Planning

cc: Jerry Lein, NDPSC
Dave Sederquist, Xcel Energy

enclosure

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PU-10-22 Filed: 1/4/2010 Pages: 32
**Cogeneration / Small Power Production Annual
Filing**

Northern States Power Company



January 4, 2010

Darrell Nitschke
Executive Secretary
North Dakota Public Service Commission
State Capitol
600 East Boulevard
Bismarck, ND 58505-0480

**RE: Filing Pursuant to NDPSC Small Power Production and Cogeneration Rules
(Chapter 69-09-07)**

Dear Mr. Nitschke:

Pursuant to the above referenced Rules and NDPSC Order Case No. 9999, Northern States Power Company, a Minnesota corporation ("Xcel Energy" or the "Company") operating in North Dakota hereby submits for filing pursuant to NDCC Section 49.05.06 the original and seven copies of the rate sheets and avoided costs for the Standard Contract Offer and Guidelines proposed for 2010.

The Net Energy Billing Service is revised to reflect the 2010 avoided energy cost level and meter charges. This service is available to qualifying facilities with a capacity of 100 kW or less who can use the output from the qualifying facility to offset energy delivered by the Company.

The Purchase and Sales Billing Service and Time of Day Purchase Service are revised to reflect the 2010 avoided cost level and metering charges. The Purchase and Sales Billing Service is also available to qualifying facilities with capacity up to 100 kW.

The Company also submits the avoided costs for the Standard Contract Offer and Guidelines for filing. The provisions of the Standard Contract Offer and Guidelines have not changed from last year's filing.

Under separate cover, we are forwarding to the PSC Staff the work papers which support this filing. The updated tariffs were developed in accordance with NDPSC Small Power Production and Cogeneration Rules (Chapter 69-09-07).

These updates do not reflect any significant changes, and presently no customers are utilizing the Cogeneration and Small Power Production tariffs in North Dakota. As was the case with last year's filing, Xcel Energy respectfully requests that – should PSC Staff have no particular concerns with the filed revisions – the Commission forego an informal hearing on this filing in the interests of time and resources.

The revised rate sheets and avoided cost level for Standard Contract Offer and Guidelines are filed to become effective February 1, 2010.

Xcel Energy notes that the statutory changes to the Public Utility Regulatory Policy Act of 1978 ("PUPRA") contained in the Energy Policy Act of 2005 ("EPAAct 2005"),¹ the Federal Energy Regulatory Commission ("FERC") adoption of a Small Generation Interconnection Procedure and standard form Small Generation Interconnection Agreement in FERC Order No. 2006;² and FERC Order No. 688 and 688-A governing the mandatory purchase obligation under EPAAct 2005, may affect future development of QF's in North Dakota by either encouraging or discouraging cogeneration and small power production³. Since the latter orders were issued within the last couple of years, their ultimate impact is not known at this time.

If you have any questions concerning this filing, feel free to contact Dave Sederquist at 701-241-8632.

Sincerely,

/S/

Phil Zins
Manager, Pricing and Planning

cc John Chow, Xcel Energy
Dave Sederquist, Xcel Energy
enclosures

¹ Pub. L. No. 109-58, Sec. 1253, 119 Stat. 594 (2005).

² *Standardization of Small Generation Interconnection Agreements and Procedures*, Order No. 2006, 70 Fed. Reg. 34,189 (June 13, 2005); 111 FERC ¶ 61,220 (2005); *order on reh.*, Order No. 2006-A, 116 FERC ¶ 61,046 (2006).

³ New PURPA Section 210(m) Regulations Applicable to Small Power Production and Cogeneration Facilities, Order No. 688, 71 FR 64342 (Nov. 1, 2006), FERC Stats. & Regs. ¶ 31,233 (2006)

Legislative

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401
NORTH DAKOTA ELECTRIC RATE BOOK - NDPSC NO. 2

NET ENERGY BILLING SERVICE
RATE CODE D50

Section No. 9
2nd Revised Sheet No. 2

AVAILABILITY

Available to any Small Qualifying Facility (SQF) with a capacity of 100 kW or less who receives non-time of day retail electric service from Company and offsets energy delivered by Company.

RATE

Metering Charge per Month

Single Phase	\$3.25
Three Phase	\$5.50

Payment Schedule for Energy Delivered to Company

Energy Payment per kWh	3.68¢
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TERMS AND CONDITIONS OF SERVICE

1. Energy used by customer in excess of energy delivered by the small qualifying facility at the same site during the same billing period shall be billed in accordance with the appropriate non-time of day retail electric rate.

For demand metered General Service customers, the entire kW demand supplied by the Company at the same site during the same billing period shall be billed to the customer according to the appropriate General Service demand charge rate.

2. Interconnection charges will be assessed by the Company on an individual basis for all costs associated with addition to or modification of Company facilities to accommodate the small qualifying facility (SQF). The net interconnection charge is the responsibility of the SQF.
3. The voltage and phase of customer's generator must be consistent with existing service and approved by the Company.
4. The customer must maintain a power factor of the generator as close to unity as is consistent with NSP operating standards.

Date Filed:	01-02-09	By: David M. Sparby	Effective Date:	02-01-09
		President and CEO of Northern States Power Company, a Minnesota corporation		
Case No.	PU-09-13		Order Date:	01-29-09

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401
NORTH DAKOTA ELECTRIC RATE BOOK - NDPSC NO. 2

PROPOSED

PURCHASE AND SALE BILLING SERVICE
RATE CODE D51

Section No. 9
~~3rd~~^{4th} Revised Sheet No. 3

AVAILABILITY

Available to any Small Qualifying Facility of less than 100 kW who receives non-time of day retail electric service.

RATE

Metering Charge per Month

Single Phase	\$5.25
Three Phase	\$7.60

Payment Schedule for Energy Delivered to Company

	<u>Oct-May</u>	<u>Jun-Sep</u>
Energy Payment per kWh	3.52¢ <u>3.62¢</u>	4.00¢ <u>3.81¢</u>
Capacity Payment per kWh for Firm Power	0.53¢ <u>0.69¢</u>	1.45¢ <u>1.90¢</u>

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DETERMINATION OF FIRM POWER

The small qualifying facility will have supplied firm power if during the billing period an on peak capacity factor of at least 65 percent was achieved. The calculation of the on peak capacity factor will be as follows:

The average on peak period metered capacity delivered to the Company for the on peak period of the billing period divided by the greatest 15 minute metered capacity delivered for the on peak period of the same billing period expressed in percent and rounded to the nearest whole percent. If the percent calculated is 65 or greater, capacity payment will be made. If the percent calculated is less than 65, capacity payment will not be made.

TERMS AND CONDITIONS OF SERVICE

1. Electric service provided by Company to customer at the same site shall be billed in accordance with the appropriate non-time of day retail electric tariff.
2. Interconnection charges will be assessed by the Company on an individual basis for all costs associated with addition to or modification of Company facilities to accommodate the small qualifying facility (SQF). The net interconnection charge is the responsibility of the SQF.
3. The minimum contracted term of service is 12 months.

Date Filed:	01-02-09 <u>01-04-10</u>	By: David M. Sparby <u>Judy M. Pofert</u>	Effective Date:	02-01-09
Case No.	PU-09-1310-	President and CEO of Northern States Power Company, a Minnesota corporation	Order Date:	01-29-09-

TIME OF DAY PURCHASE SERVICE
RATE CODE D52

Section No. 9
~~3rd~~ 4th Revised Sheet No. 4

AVAILABILITY

Available to any Small Qualifying Facility (SQF).

RATE

Metering Charge per Month

Single Phase	\$5.25
Three Phase	\$7.60

Payment Schedule for Energy Delivered to Company

	<u>Oct-May</u>	<u>Jun-Sep</u>
Energy Payment per On-Peak kWh	4.44¢ <u>4.84¢</u>	5.82¢ <u>5.69¢</u>
Energy Payment per Off-Peak kWh	3.01¢ <u>2.98¢</u>	2.96¢ <u>2.73¢</u>
Capacity Payment per On-Peak kWh for Firm Power	1.50¢ <u>1.96¢</u>	4.22¢ <u>5.51¢</u>

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Date Filed: ~~01-02-09~~ 01-04-10 By: ~~David M. Sparby~~ Judy M. Poferl Effective Date: ~~02-01-09~~
 President and CEO of Northern States Power Company, a Minnesota corporation
 Case No. ~~PU-09-13~~ 10- Order Date: ~~01-29-09~~

Non-Legislative

Northern States Power Company, a Minnesota corporation
Minneapolis, Minnesota 55401
NORTH DAKOTA ELECTRIC RATE BOOK - NDPSC NO. 2

NET ENERGY BILLING SERVICE
RATE CODE D50

Section No. 9
2nd Revised Sheet No. 2

AVAILABILITY

Available to any Small Qualifying Facility (SQF) with a capacity of 100 kW or less who receives non-time of day retail electric service from Company and offsets energy delivered by Company.

RATE

Metering Charge per Month

Single Phase	\$3.25
Three Phase	\$5.50

Payment Schedule for Energy Delivered to Company

Energy Payment per kWh	3.68¢
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C

TERMS AND CONDITIONS OF SERVICE

1. Energy used by customer in excess of energy delivered by the small qualifying facility at the same site during the same billing period shall be billed in accordance with the appropriate non-time of day retail electric rate.

For demand metered General Service customers, the entire kW demand supplied by the Company at the same site during the same billing period shall be billed to the customer according to the appropriate General Service demand charge rate.

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		President and CEO of Northern States Power Company, a Minnesota corporation		
Case No.	PU-09-13		Order Date:	01-29-09

PURCHASE AND SALE BILLING SERVICE
RATE CODE D51

Section No. 9
4th Revised Sheet No. 3

AVAILABILITY

Available to any Small Qualifying Facility of less than 100 kW who receives non-time of day retail electric service.

RATE

Metering Charge per Month

Single Phase	\$5.25
Three Phase	\$7.60

Payment Schedule for Energy Delivered to Company

	<u>Oct-May</u>	<u>Jun-Sep</u>	
Energy Payment per kWh	3.62¢	3.81¢	C
Capacity Payment per kWh for Firm Power	0.69¢	1.90¢	C

DETERMINATION OF FIRM POWER

The small qualifying facility will have supplied firm power if during the billing period an on peak capacity factor of at least 65 percent was achieved. The calculation of the on peak capacity factor will be as follows:

The average on peak period metered capacity delivered to the Company for the on peak period of the billing period divided by the greatest 15 minute metered capacity delivered for the on peak period of the same billing period expressed in percent and rounded to the nearest whole percent. If the percent calculated is 65 or greater, capacity payment will be made. If the percent calculated is less than 65, capacity payment will not be made.

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3. The minimum contracted term of service is 12 months.

Date Filed:	01-04-10	By: Judy M. Pofert	Effective Date:
		President and CEO of Northern States Power Company, a Minnesota corporation	
Case No.	PU-10-		Order Date:

TIME OF DAY PURCHASE SERVICE
RATE CODE D52

Section No. 9
4th Revised Sheet No. 4

AVAILABILITY

Available to any Small Qualifying Facility (SQF).

RATE

Metering Charge per Month

Single Phase	\$5.25
Three Phase	\$7.60

Payment Schedule for Energy Delivered to Company

	<u>Oct-May</u>	<u>Jun-Sep</u>	
Energy Payment per On-Peak kWh	4.84¢	5.69¢	C
Energy Payment per Off-Peak kWh	2.98¢	2.73¢	C
Capacity Payment per On-Peak kWh for Firm Power	1.96¢	5.51¢	C

DETERMINATION OF FIRM POWER

The small qualifying facility will have supplied firm power if during the billing period an on-peak capacity factor of at least 65 percent was achieved. The calculation of the on-peak capacity factor will be as follows:

The average on-peak period metered capacity delivered to the Company for the on-peak period of the billing period divided by the greatest 15 minute metered capacity delivered for the on-peak period of the same billing period expressed in percent and rounded to the nearest whole percent. If the percent calculated is 65 or greater, capacity payment will be made. If the percent calculated is less than 65, capacity payment will not be made.

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2. Interconnection charges will be assessed by the Company on an individual basis for all costs associated with addition to or modification of Company facilities to accommodate the small qualifying facility (SQF). The net interconnection charge is the responsibility of the SQF.
3. The minimum contract term of service is 12 months.

Date Filed: 01-04-10 By: Judy M. Pofert Effective Date:
President and CEO of Northern States Power Company, a Minnesota corporation
Case No. PU-10- Order Date:

Table 1

Page 1 of 3
Revised 12/23/09Standard Contract Offer
by
Northern States Power Company

2010 Rate Sheet

Years	\$/kW-mth	Years	\$/MWh
<u>Contract Length</u>	<u>Levelized Capacity</u>	<u>Payment Period</u>	<u>Levelized Energy (1)</u>
1	0.00		
2	0.00		
3	0.00		
4	0.00		
5	0.00		
6	0.00	1	46.10
7	0.72	2	47.33
8	1.26	3	48.44
9	1.69	4	49.56
10	2.04	5	50.56
11	2.32	6	51.31
12	2.56	7	52.10
13	2.77	8	52.59
14	2.95	9	53.10
15	3.11	10	53.53
16	3.25	11	54.00
17	3.38	12	54.38
18	3.49	13	54.84
19	3.60	14	55.26
20	3.69	15	55.68
21	3.78	16	56.26
22	3.86	17	56.80
23	3.93	18	57.32
24	4.00	19	57.82
25	4.06	20	58.39
26	4.12		
27	4.17		
28	4.22		
29	4.27		
30	4.32		
31	4.36		
32	4.40		
33	4.44		
34	4.47		
35	4.50		

(1) Minimum contract length required for levelized energy payments is 6 years. Maximum length is 20 years. Examples: A 6 year contract could receive one year of levelized energy rates at 46.10 \$/MWh with the remaining 5 years used for payback account corrections. A 20 year contract could receive 15 years of levelized payment at 55.68 \$/MWh for each year with the remaining 5 years for payback account corrections.

Standard Contract Offer
by
Northern States Power Company

2011 Rate Sheet

Years	\$/kW-mth	Years	\$/MWh
Contract Length	Levelized Capacity	Payment Period	Levelized Energy (1)
1	0.00		
2	0.00		
3	0.00		
4	0.00		
5	0.00		
6	0.87	1	49.21
7	1.50	2	50.33
8	1.98	3	51.45
9	2.35	4	52.45
10	2.66	5	53.18
11	2.91	6	53.96
12	3.13	7	54.42
13	3.32	8	54.90
14	3.48	9	55.30
15	3.62	10	55.76
16	3.75	11	56.11
17	3.86	12	56.57
18	3.97	13	56.98
19	4.06	14	57.40
20	4.14	15	57.99
21	4.22	16	58.55
22	4.30	17	59.09
23	4.36	18	59.60
24	4.43	19	60.20
25	4.48	20	60.82
26	4.54		
27	4.59		
28	4.64		
29	4.68		
30	4.72		
31	4.76		
32	4.80		
33	4.84		
34	4.87		
35	4.90		

(1) Minimum contract length required for levelized energy payments is 6 years. Maximum length is 20 years. Examples: A 6 year contract could receive one year of levelized energy rates at 49.21 \$/MWh with the remaining 5 years used for payback account corrections. A 20 year contract could receive 15 years of levelized payment at 57.99 \$/MWh for each year with the remaining 5 years for payback account corrections.

Standard Contract Offer
by
Northern States Power Company

2011 Rate Sheet

Years	\$/kW-mth	Years	\$/MWh
Contract Length	Levelized Capacity	Payment Period	Levelized Energy (1)
1	0.00		
2	0.00		
3	0.00		
4	0.00		
5	1.08		
6	1.82	1	52.32
7	2.35	2	53.42
8	2.75	3	54.40
9	3.07	4	55.09
10	3.34	5	55.85
11	3.56	6	56.25
12	3.74	7	56.69
13	3.90	8	57.06
14	4.05	9	57.49
15	4.17	10	57.82
16	4.28	11	58.27
17	4.38	12	58.67
18	4.48	13	59.09
19	4.56	14	59.69
20	4.64	15	60.27
21	4.71	16	60.82
22	4.77	17	61.34
23	4.83	18	61.96
24	4.89	19	62.61
25	4.94	20	63.20
26	4.99		
27	5.04		
28	5.08		
29	5.13		
30	5.16		
31	5.20		
32	5.24		
33	5.27		
34	5.30		
35	5.33		

(1) Minimum contract length required for levelized energy payments is 6 years. Maximum length is 20 years. Examples: A 6 year contract could receive one year of levelized energy rates at 52.32 \$/MWh with the remaining 5 years used for payback account corrections. A 20 year contract could receive 15 years of levelized payment at 60.27 \$/MWh for each year with the remaining 5 years for payback account corrections.

**Northern States Power Company, a Minnesota Corporation Operating In North Dakota
Derivation of Metering Costs - State of N. Dakota**

STANDARD KWH METER	Single Phase	Three Phase
(1) Installed Cost	\$73.83	\$129.05
(2) L.A.R.R.	10.34%	10.34%
(3) Levelized Cost (1)*(2)	\$7.63	\$13.34
(4) Accounting Expenses \$/Cust/Yr	\$28.12	\$44.55
(5) Total Annual (3)+(4)	\$35.76	\$57.89
(6) Total Monthly (5)/12	\$2.98	\$4.82
	\$3.25 Proposed	\$5.50 Proposed
	\$3.25 Last Year	\$5.50 Last Year

TOD KW/KWH METER	Single Phase	Three Phase
(7) Installed Cost	\$251.48	\$276.50
(8) Levelized Cost (7)*(2)	\$26.00	\$28.59
(9) Total Annual (8)+(4)	\$54.13	\$73.14
(10) Total Monthly	\$4.51	\$6.10
	\$5.25 Proposed	\$7.60 Proposed
	\$5.25 Last Year	\$7.60 Last Year

Source:

(1)(7) Data provided by Xcel Energy Metering Dept.

(2) See page 6A.

(4) See pages 2, 3, 4 and 5.

Assumed accounting expenses for the second meter is 56.41%

For 1a: $(2036000+233000)/(68180+7047)*0.5641*1.03^{17}$

For 3a: $140000/2930*0.5641*1.03^{17}$

To project 2009 accounting expense, the above

1993 Test Year numbers were inflated 3% / year.

NORTHERN STATES POWER COMPANY (MINNESOTA)
 ELECTRIC UTILITY - STATE OF NORTH DAKOTA
 EMBEDDED CLASS COST OF SERVICE STUDY
 TEST YEAR ENDING DECEMBER 1983
 (DOLLARS IN THOUSANDS)

REVENUE REQUIREMENT BY COST COMPONENT (PROPOSED REVENUES)

	OUT		IN	ALLOC	RESIDENTIAL		
	WITH HEATING	WITHOUT HEATING			LOAD MANAGEMENT	RESIDENTIAL	TOTAL RESIDENTIAL
DEVELOPMENT OF REVENUE REQUIREMENTS							
1	10.03	2.89			5.11		9.09
2	18.482	27.828			240		44,328
3	18.438	26.823			213		43,174
4	34	1,103			27		1,164
5	0.15	4.16			12.48		2.87
CUSTOMER COMPONENT							
6	2,207	5,500			38		7,743
7	18,948	49,224			351		68,531
8	9.71	9.31			9.44		9.42
ENERGY COMPONENT							
TIME OF DAY RELATED							
9	2,068	3,063			33		5,184
10	2,817	3,666			63		6,546
11	4,885	6,729			97		11,711
12	291,763	398,878			5,923		686,564
13	16.74	16.87			16.33		16.81
CAPACITY COMPONENT							
PRODUCTION RELATED							
14	4,539	5,914			73		10,821
15	901	3,013			2		3,918
16	1,748	1,739			0		3,484
17	7,180	10,565			76		17,921
18	595	1,709			1		2,705
19	204	688			0		892
20	145	584			1		730
21	349	1,272			1		1,822
22	822	648			3		1,473
23	9,348	14,294			81		23,721
24	0	0			0		0
25	0.00	0.00			0.00		0.00
26	32.03	35.83			13.83		34.05

NORTHERN STATES POWER COMPANY (MINNESOTA)
 ELECTRIC UTILITY - STATE OF NORTH DAKOTA
 EMBEDDED CLASS COST OF SERVICE STUDY
 TEST YEAR ENDING DECEMBER 1993
 (DOLLARS IN THOUSANDS)

OPERATION & MAINTENANCE EXPENSES (PAGE 2 OF 2)

	RESIDENTIAL		TOTAL RESIDENTIAL
	WITH HEATING	WITHOUT HEATING	
1 DISTRIBUTION EXPENSE	45	106	151
2 SUPERVISION & ENGINEERING	57	190	247
3 SUBSTATION EXPENSE	0	0	0
4 LEASED FACILITIES CREDITS	241	588	809
5 OVERHEAD LINES EXPENSE	115	243	358
6 UNDERGROUND LINES EXPENSE	36	55	91
7 LINE TRANSFORMER EXPENSE	0	0	0
8 STREET LIGHTING EXPENSE	53	164	237
9 METER EXPENSE	0	0	0
10 CUSTOMER INSTALLATIONS EXP	202	483	680
11 MISCELLANEOUS	4	10	14
12 RENTS (POLE ATTACHMENTS)	764	1,817	2,597
13 TOTAL DISTRIBUTION EXP	52	138	188
14 SYSTEM ACCOUNTING EXPENSE	513	1,334	1,850
15 LOCAL	(568)	1,470	2,038
16 SALES EXPENSE	0	0	0
17 SYSTEM NON-ASSOC UTIL SALES	1	1	2
18 LOCAL	1	1	2
19 TOTAL SALES EXPENSE	12	28	42
20 CUSTOMER SERVICE & INFO EXPENSE	299	646	950
21 LOCAL	312	674	992
22 TOTAL CUSTOMER SERVICE EXP	804	1,241	2,058
23 ADMINISTRATIVE AND GENERAL EXPENSE	220	339	563
24 LOCAL	154	272	428
25 PROPERTY INSURANCE	0	0	0
26 PENSIONS & BENEFITS	149	283	414
27 INJURIES AND CLAIMS	25	44	69
28 REGULATORY EXPENSE	39	62	102
29 CIP/DSM EXPENSE	143	234	379
30 TOTAL A&G EXPENSE	1,534	2,455	4,012
31 ECONOMIC DEVELOPMENT EXP	8	16	24
32 PATHFINDER O&M EXPENSE	0	0	0
33 TOTAL O & M EXPENSE	11,272	18,308	29,760

NORTHERN STATES POWER COMPANY (MINNESOTA)
 ELECTRIC UTILITY - STATE OF NORTH DAKOTA
 EMBEDDED CLASS COST OF SERVICE STUDY
 TEST YEAR ENDING DECEMBER 1993
 (DOLLARS IN THOUSANDS)

OPERATION & MAINTENANCE EXPENSES (PAGE 2 OF 2)

		COMMERCIAL & INDUSTRIAL		TOTAL	
		DEMAND METERED		COMMERCIAL & INDUSTRIAL	
		NON-DEMAND METERED	FIRM INTERRUPTIBLE	TOTAL	COMMERCIAL & INDUSTRIAL
	OUT	IN	ALLOC		
1	DISTRIBUTION EXPENSE				
2	SUPERVISION & ENGINEERING	OX05E	X05E	705E	129
3	SUBSTATION EXPENSE	OX615E	X615E	P61	108
4	LEASED FACILITIES CREDITS	OX615C	X615C		385
5	OVERHEAD LINES EXPENSE	OX0L	X0L	POL	0
6	UNDERGROUND LINES EXPENSE	OX6L	X6L	P6L	435
7	LINE TRANSFORMER EXPENSE	OX68	X68	P68	198
8	STREET LIGHTING EXPENSE	OX73	X73	P73	47
9	METER EXPENSE	OX70	X70	P70	0
10	CUSTOMER INSTALLATIONS EXP	OX71	X71	P71	141
11	MISCELLANEOUS	OX88	X88	P88	64
12	RENTS (POLE ATTACHMENTS)	OX89	X89	P89	494
13	TOTAL DISTRIBUTION EXP	OX60	X60	P60	8
14	CUSTOMER ACCOUNTING EXPENSE				1,859
15	SYSTEM LOCAL	OX905	X905	C11WA	14
16	SALES EXPENSE	OX90L	X90L	C11WA	142
17	TOTAL CUST ACCTG EXP	OX90	X90		157
18	SYSTEM NON-ASSOC UTIL SALES	OX915	X915	OXPP3	1
19	LOCAL	OX91L	X91L	C11P10	1
20	CUSTOMER SERVICE & INFO EXPENSE	OX91	X91		1
21	SYSTEM LOCAL	OX925	X925	C11P10	19
22	ADMINISTRATIVE AND GENERAL EXPENSE	OX92L	X92L	C11P10	418
23	SYSTEM LOCAL	OX925	X925		435
24	PROPERTY INSURANCE	OX92L	X92L	FLTSAL	2,444
25	PENSIONS & BENEFITS	OX91	X91	FLTSAL	668
26	INCENTIVE COMPENSATION	OX9L	X9L	NEPIS	738
27	INJURIES AND CLAIMS	OX9L	X9L	LABOR	423
28	REGULATION EXPENSE	OX9L	X9L	LABOR	0
29	CIP/DSM EXPENSE	OX9L	X9L	LABOR	395
30	TOTAL A&O EXPENSE	OX9L	X9L	ROI	66
31	ECONOMIC DEVELOPMENT EXP	OX9L	X9L	DBTE43	115
32	PATHFINDER O&M EXPENSE	OX9L	X9L	DBTE43	432
33	TOTAL O & M EXPENSE	OX9L	X9L	DBTE43	4,545
					5,040
					13
					0
					32,891
					8,753
					25,139
					36,608

35

Carrying Charge Rate	
Return Requirement	3.66%
Depreciation Requirement	2.89%
Income Tax Requirement	2.30%
Total Capital Requirement	8.86%
Property Tax Rate (ND)	1.49%
Total LARR	10.34%

Cost of Capital		Before-Tax	After-Tax
Equity	10.75%	51.77%	5.57%
Preferred	0.00%	0.00%	0.00%
L-T Debt	6.76%	45.61%	1.87%
S-T Debt	5.74%	2.62%	0.09%
		100.00%	8.80%
			7.53%

REVENUE REQUIREMENTS
Metering Equipment - North Dakota

Income Tax Rate	39.23%
AFUDC Rate	0.00%
Beginning Year	2009
Year in Service	2010
Salvage/(Removal)%	10.00%
Tax Life	20 years
Book Life	30 years

Time Period	Year	Capital Expend	AFUDC	Total CWIP	Plant in Service BOY	Plant in Service EOY	Average Plant in Service	Average Accum. Deprec.	Average Net Plant in Service	Average Acc. Def. Income Taxes	Average Rate Base	Rate of Return (Equity)	Rate of Return (Debt)	AFUDC	Operating Expenses	Book Deprec. Expense	Deferred Income Taxes	Salvage
0	2009	1,000	0	1,000	0	0	0	0	0	0	500	28	1	0	0	0	0	0
1	2010	1,000	0	1,000	0	1,000	500	0	493	4	488	27	1	0	0	15	9	0
2	2011	0	0	1,000	1,000	1,000	1,000	30	970	17	953	53	1	0	0	30	17	0
3	2012	0	0	1,000	1,000	1,000	1,000	60	940	33	907	50	1	0	0	30	14	0
4	2013	0	0	1,000	1,000	1,000	1,000	90	910	46	864	48	1	0	0	30	12	0
5	2014	0	0	1,000	1,000	1,000	1,000	120	880	58	822	46	1	0	0	30	11	0
6	2015	0	0	1,000	1,000	1,000	1,000	150	850	67	783	44	1	0	0	30	9	0
7	2016	0	0	1,000	1,000	1,000	1,000	180	820	76	744	41	1	0	0	30	7	0
8	2017	0	0	1,000	1,000	1,000	1,000	210	790	82	708	39	1	0	0	30	6	0
9	2018	0	0	1,000	1,000	1,000	1,000	240	760	88	672	37	1	0	0	30	6	0
10	2019	0	0	1,000	1,000	1,000	1,000	270	730	94	636	35	1	0	0	30	6	0
11	2020	0	0	1,000	1,000	1,000	1,000	300	700	100	600	33	1	0	0	30	6	0
12	2021	0	0	1,000	1,000	1,000	1,000	330	670	105	565	31	1	0	0	30	6	0
13	2022	0	0	1,000	1,000	1,000	1,000	360	640	111	529	29	1	0	0	30	6	0
14	2023	0	0	1,000	1,000	1,000	1,000	390	610	117	493	27	1	0	0	30	6	0
15	2024	0	0	1,000	1,000	1,000	1,000	420	580	123	457	25	1	0	0	30	6	0
16	2025	0	0	1,000	1,000	1,000	1,000	450	550	128	422	23	1	0	0	30	6	0
17	2026	0	0	1,000	1,000	1,000	1,000	480	520	134	386	21	1	0	0	30	6	0
18	2027	0	0	1,000	1,000	1,000	1,000	510	490	140	350	19	1	0	0	30	6	0
19	2028	0	0	1,000	1,000	1,000	1,000	540	460	145	315	18	0	0	0	30	6	0
20	2029	0	0	1,000	1,000	1,000	1,000	570	430	151	279	16	0	0	0	30	6	0
21	2030	0	0	1,000	1,000	1,000	1,000	600	400	153	247	14	0	0	0	30	6	0
22	2031	0	0	1,000	1,000	1,000	1,000	630	370	145	225	13	0	0	0	30	(3)	0
23	2032	0	0	1,000	1,000	1,000	1,000	660	340	133	207	11	0	0	0	30	(12)	0
24	2033	0	0	1,000	1,000	1,000	1,000	690	310	122	188	10	0	0	0	30	(12)	0
25	2034	0	0	1,000	1,000	1,000	1,000	720	280	110	170	9	0	0	0	30	(12)	0
26	2035	0	0	1,000	1,000	1,000	1,000	750	250	98	152	8	0	0	0	30	(12)	0
27	2036	0	0	1,000	1,000	1,000	1,000	780	220	86	134	7	0	0	0	30	(12)	0
28	2037	0	0	1,000	1,000	1,000	1,000	810	190	75	115	6	0	0	0	30	(12)	0
29	2038	0	0	1,000	1,000	1,000	1,000	840	160	63	97	5	0	0	0	30	(12)	0
30	2039	0	0	1,000	1,000	1,000	1,000	870	130	51	79	4	0	0	0	30	(12)	0
31	2040	0	0	1,000	0	500	443	57	57	23	35	2	0	0	0	15	(45)	100
32	2041	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
33	2042	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
34	2043	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
35	2044	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
36	2045	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
37	2046	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
38	2047	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
39	2048	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
40	2049	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
41	2050	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
42	2051	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
43	2052	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
44	2053	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
45	2054	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
46	2055	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
47	2056	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
48	2057	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
49	2058	0	0	1,000	0	0	0	0	0	(0)	0	0	0	0	0	900	(0)	0

**Northern States Power Company, a Minnesota Corporation Operating In North Dakota
State of North Dakota
Derivation of Energy Payments**

NET ENERGY BILLING SERVICE	Average Summer	Average Winter	Wtd Avg Annual
(1) Estimated System Average Incremental Energy Costs for 2010 (¢/kWh)	3.71	3.51	
(2) Energy Loss Factors	0.9737	0.9707	
(3) Estimated System Average Incremental Energy Costs Adjusted for Losses (1)/(2)	3.81	3.62	
		[1]	[2]
(4) Average Annual (Cents/kWh) ((1)*4/12) + ((2)*8/12)			3.68

PURCHASE AND SALE BILLING SERVICE	Average Summer	Average Winter
(1) Estimated System Average Incremental Energy Costs for 2010 (¢/kWh)	3.71	3.51
(2) Energy Loss Factors	0.9737	0.9707
(3) Estimated System Average Incremental Energy Costs Adjusted for Losses (1)/(2)	3.81	3.62

TIME OF DAY PURCHASE SERVICE	Summer On Peak	Summer Off Peak	Winter On Peak	Winter Off Peak
(1) Estimated System Average Incremental Energy Costs for 2010 (¢/kWh)	5.53	2.66	4.70	2.90
(2) Energy Loss Factors	0.9723	0.9756	0.9707	0.9739
(3) Estimated System Average Incremental Energy Costs Adjusted for Losses(1)/(2)	5.69	2.73	4.84	2.98

Sources:

Incremental Energy Cost Data provided by Xcel Energy's Energy Marketing.

Northern States Power Company, a Minnesota Corporation Operating In North Dakota
State of N. Dakota
Calculation of Net Annual Avoided Capacity Costs

(1) Completed Cost of Planned C.T. Unit (2009 \$)	\$765 /kW
(2) Inflation Net of Technical Progress	1.92%
(3) Average Service Life	35 Years
(4) Discount Rate (After Tax)	7.53%
 Calculation of Marginal Capital Carry Charge Rate	
(5) Present Value of Revenue Requirements	\$1,143 /kW
(6) Annuity Factor Adjustment for Inflation **	0.06626
(7) Present Value of Revenue Requirements Adjusted for Inflation (5)*(6)	\$75.73
(8) Marginal Capital Carrying Charge Rate (7)/(1)	0.09900
(9) First Year Revenue Requirement (1)*(8)	\$75.73 /kW (2010 \$)
(10) Present Value at 7.53% for 0 years	\$75.73 /kW
(11) Present Value of Average Annual Fuel Savings	\$0.00 /kW
(12) Annual Avoided Capacity Cost (10)-(11)	\$75.73 /kW
(13) Adjusted for 15% Reserve Margin (12)*1.15	\$87.09 /kW
(14) Plus \$2.53/kW Fixed O & M (13)+2.53	\$89.62 /kW
(15) Adjusted for Losses (14)/0.9375	\$95.60 /kW
 (16) NET ANNUAL AVOIDED CAPACITY COST	 \$95.60 /kW
 (17) Net Winter On-Peak Avoided Capacity Cost (TOD PURCHASE) (16)*0.4188*100/2040	 1.96 cents/kWh
(18) Net Summer On-Peak Avoided Capacity Cost (TOD PURCHASE) (16)*0.5812*100/1008	 5.51 cents/kWh
(19) Net Annual On-Peak Avoided Capacity Cost (16)*100/3048	 3.14 cents/kWh
(20) Net Winter Avoided Capacity Cost Averaged Over All Winter Hours (PURCHASE & SALE BILLING) (16)*0.4188*100/5832	 0.69 cents/kWh
(21) Net Summer Aoided Capacity Cost Averaged Over All Summer Hours (PURCHASE & SALE BILLING) (16)*0.5812*100/2928	 1.90 cents/kWh
(22) Net Annual Avoided Capacity Cost Average Over All Hours (16)*100/8760	 1.09 cents/kWh

Note: The weighting factors 0.5812 and 0.4188 are obtained from NSP's most recent Cost of Service Study. These ratios represent relative summer and winter season capacity costs on NSP's system.

$$** AC = K*(r-j)*(1+j)^{(t-1)}*[1/(1-(1+j)^n/(1+r)^n)]$$

Where AC = Annual Charge in year t

t = Year (=1)

K = Total Present Value Cost of Original Investment

r = Discount Rate (Overall Marginal Cost of Capital) (7.53%)

j = Inflation Rate Net of Technology Progress (1.92%)

n = Expected Service Life of Investment (35 Years)

NORTHERN STATES POWER COMPANY (MINNESOTA)
ELECTRIC UTILITY - STATE OF NORTH DAKOTA
EMBEDDED CLASS COST OF SERVICE STUDY
TEST YEAR ENDING DECEMBER 1983
(DOLLARS IN THOUSANDS)

REVENUE REQUIREMENT BY COST COMPONENT (REQUIRED ROW)

MONTHLY DAKOTA RETAIL	LARGER RETAIL CLASSES OF SERVICE	
	TOTAL RESIDENTIAL	TOTAL COMMERCIAL SALES TO PUBLIC STREET & AREA INDUSTRIAL AUTHORITIES LIGHTING
10.09	10.09	10.09
90,788	38,837	1,138
89,830	44,328	1,843
8,763	8,601	188
8.55	14.17	17.13

DEVELOPMENT OF REVENUE REQUIREMENTS

	OUT	IN	ALLOC.
1 RATE OF RETURN ON RATE BASE RETURN			
2 REVENUE FROM SALES-PRESENT	10.09		
3 RETAIL REVENUE REQUIREMENT	90,788	38,837	49,349
4 REV DEF TO PRODUCE 10.00% ROW	89,830	44,328	82,337
5 PERCENTAGE REVENUE	8,763	8,601	2,978
	8.55	14.17	8.03

CUSTOMER COMPONENT

6 REVENUE REQUIREMENT	10,748	7,995	1,933
7 AVERAGE MONTHLY CUSTOMERS	80,867	68,531	10,118
8 REVENUE REQUIRED \$/MO/CUST	11.08	9.72	15.92

ENERGY COMPONENT

TYPE OF DAY RELATED	
9 ON PEAK	14,780
10 OFF PEAK	16,172
11 REVENUE REQUIREMENT	29,973
12 ANNUAL MW SALES	1,755,833
13 REVENUE REQUIRED HILLS/MW	17.04

CAPACITY COMPONENT

PRODUCTION RELATED	
14 BASE LOAD	27,828
15 SUMMER PEAKING	9,839
16 WINTER PEAKING	6,346
17 TOTAL PRODUCTION	44,013
18 TRANSMISSION RELATED	6,059
19 PRIMARY RELATED	2,502
20 DISTRIBUTION SUBSTATION	2,580
21 LINES & TRANSFORMERS	5,782
22 TOTAL PRIMARY	1,704
23 SECONDARY RELATED	3,137
24 REVENUE REQUIREMENT	88,869
25 ANNUAL KW BILLED DEMANDS	2,894,418
26 REVENUE REQUIRED \$ PER KW	30.33
27 REVENUE REQUIRED HILLS/MW	33.62

201	260	S = 1634
208	178	1634 = 6946
427	82	
35,858	343	
16,82	33	= 2-5872
201	31	
208	37	W = 6746
427	68	
35,858	36	1634 = 6946
16,82	470	
	0	= 2-4188
	0.00	
	33.13	

**Northern States Power Company, a Minnesota Corporation Operating In North Dakota
State of N. Dakota
Marginal Cost of Capital**

<i>(Before Tax)</i>	Capitalization Ratio (%)	Cost (%)	Weighted (%)
LT- Debt	45.61%	6.76%	3.08%
ST- Debt	2.62%	5.74%	0.15%
Preferred Equity	0.00%	0.00%	0.00%
Common Equity	51.77%	10.75% *	5.57%
Weighted Average	100.00%		8.80%

<i>(After Tax)</i>	Capitalization Ratio (%)	Cost (%)	Weighted (%)
LT-Debt	45.61%	6.76%	1.87%
ST-Debt	2.62%	5.74%	0.09%
Preferred Equity	0.00%	0.00%	0.00%
Common Equity	51.77%	10.75% *	5.57%
Weighted Average	100.00%		7.53%

* Common Equity is Commission approved return in case no. PU-07-776399

Source:
Information provided by Xcel Energy Revenue Analysis

REVENUE REQUIREMENTS
Combustion Turbine - North Dakota

Income Tax Rate	39.23%
AFUDC Rate	0.00%
Beginning Year	2009
Year in Service	2010
Salvage/(Removal)%	0.00%
Tax Life	15 years
Book Life	25 years

Carrying Charge Rate	2.14%
Return Requirement	2.57%
Depreciation Requirement	1.34%
Income Tax Requirement	6.06%
Total Capital Requirement	1.34%
Property Tax Rate (ND)	7.40%
Total LARR	

Cost of Capital	Cost	Ratio	Before-Tax Weighted Cost	After-Tax Weighted Cost
Equity	10.75%	51.7%	5.57%	5.57%
Preferred	0.00%	0.00%	0.00%	0.00%
L-T Debt	6.76%	45.61%	3.08%	1.87%
S-T Debt	5.74%	2.52%	0.15%	0.09%
	100.00%		8.80%	7.53%

Time Period	Year	Capital Expend.	AFUDC	Total CWIP	Plant in Service BDY	Plant in Service EDY	Average Plant in Service	Average Accum. Deprac.	Average Net Plant in Service	Average Acc. Def. Income Taxes	Average Rate Base	Rate of Return (Equity)	Rate of Return (Debt)	AFUDC	Operating Expenses	Book Deprac. Expense	Deferred Income Taxes	Salvage
0	2009	333	0	333	0	0	0	0	0	0	167	9	0	0	0	0	0	0
1	2010	333	0	666	0	666	333	7	326	4	322	18	0	0	0	13	8	0
2	2011	334	0	666	0	666	666	27	639	15	624	35	1	0	0	27	14	0
3	2012		0	666	0	666	666	53	613	28	585	33	1	0	0	27	12	0
4	2013		0	666	0	666	666	80	533	39	547	30	1	0	0	27	10	0
5	2014		0	666	0	666	666	107	559	48	512	28	1	0	0	27	8	0
6	2015		0	666	0	666	666	133	533	54	478	27	1	0	0	27	6	0
7	2016		0	666	0	666	666	160	506	60	446	25	1	0	0	27	5	0
8	2017		0	666	0	666	666	186	480	65	415	23	1	0	0	27	5	0
9	2018		0	666	0	666	666	213	453	70	383	21	1	0	0	27	5	0
10	2019		0	666	0	666	666	240	426	75	352	20	1	0	0	27	5	0
11	2020		0	666	0	666	666	266	400	80	320	18	0	0	0	27	5	0
12	2021		0	666	0	666	666	293	373	85	288	16	0	0	0	27	5	0
13	2022		0	666	0	666	666	320	346	90	257	14	0	0	0	27	5	0
14	2023		0	666	0	666	666	346	320	95	225	13	0	0	0	27	5	0
15	2024		0	666	0	666	666	373	293	100	194	11	0	0	0	27	5	0
16	2025		0	666	0	666	666	400	266	101	166	9	0	0	0	27	5	0
17	2026		0	666	0	666	666	426	240	104	146	8	0	0	0	27	5	0
18	2027		0	666	0	666	666	453	213	84	130	7	0	0	0	27	5	0
19	2028		0	666	0	666	666	480	186	73	113	6	0	0	0	27	5	0
20	2029		0	666	0	666	666	506	160	63	97	5	0	0	0	27	5	0
21	2030		0	666	0	666	666	533	133	52	81	5	0	0	0	27	5	0
22	2031		0	666	0	666	666	559	107	42	65	4	0	0	0	27	5	0
23	2032		0	666	0	666	666	586	80	31	49	3	0	0	0	27	5	0
24	2033		0	666	0	666	666	613	53	21	32	2	0	0	0	27	5	0
25	2034		0	666	0	666	666	639	27	10	16	1	0	0	0	27	5	0
26	2035		0	666	0	666	666	333	7	3	4	0	0	0	0	13	5	0
27	2036		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
28	2037		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
29	2038		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
30	2039		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
31	2040		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
32	2041		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
33	2042		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
34	2043		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
35	2044		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
36	2045		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
37	2046		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
38	2047		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
39	2048		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
40	2049		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
41	2050		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
42	2051		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
43	2052		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
44	2053		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
45	2054		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
46	2055		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
47	2056		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
48	2057		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
49	2058		0	0	0	0	0	0	0	(0)	0	0	0	0	0	0	0	0
				1,000												666		(0)

**Northern States Power Company, a Minnesota Corporation Operating In North Dakota
State of N. Dakota
Derivation of Seasonal Loss Factors**

		<u>50%</u>
<u>ENERGY LOSS FACTORS</u>		
(1) Summer On Peak	0.9446	0.9723
(2) Summer Off Peak	0.9511	0.9756
(3) Summer Average	0.9473	0.9737
(4) Winter On Peak	0.9414	0.9707
(5) Winter Off Peak	0.9477	0.9739
(6) Winter Average	0.9470	0.9735
<u>DEMAND LOSS FACTOR</u>		
(7) Annual Average	0.9375	

Source:
Information provided by Xcel Energy Load Research Dept.