

EL00-019





EL 00-019

Northern States Power Company - South Dakota

Jim Wilcox, Manager,  
Government & Regulatory Services  
500 West Russell Street  
P.O. Box 988  
Sioux Falls, SD 57101-0988  
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**RECEIVED**

MAY 31 2000

**SOUTH DAKOTA PUBLIC  
UTILITIES COMMISSION**

**\*\* NON-PROPRIETARY VERSION \*\***

May 26, 2000

Mr. William Bullard, Executive Director  
South Dakota Public Utilities Commission  
State Capitol Building  
500 East Capitol Avenue  
Pierre, South Dakota 57501-5070

Dear Mr. Bullard:

RE: Filing Pursuant to SDPUC Cogeneration and Small Power Production Order,  
Docket No. F-3365

Pursuant to the above referenced docket, Northern States Power Company hereby submits for Commission approval the revised rate sheets for the Occasional Delivery Energy Service and Time of Delivery Energy Service. The enclosed tariffs are essentially consistent with those the Commission approved in its July 9, 1998, Order (Docket No. EL98-013).

The proposed Occasional Delivery Energy Service rate sheet is revised to reflect a five cents per month higher metering charge and 0.3 cents per kWh increased energy payment. The energy payment is based on the Company's 2000 avoided energy cost estimate.

The proposed Time of Delivery Energy Service rate sheet is revised to reflect a comparable fifty cents per month increase in metering charge. Similarly, energy and capacity payments are also revised to reflect the Company's 2000 avoided costs projection.

In Attachment 1 are the supporting work papers to illustrate the derivation of these proposed rates. Since a portion of the work papers contains proprietary business information, therefore the Company requests that certain data be treated as confidential information. The Company, however, has also included for public review

a non-proprietary version of this filing for which the specific proprietary information has been deleted.

The Company requests the Commission approve the proposed rate sheets.

If anyone has any questions, please call me at 339-8350.

Sincerely,

A handwritten signature in cursive script, appearing to read "J Wilcox".

Jim Wilcox

c. Mike Swenson

enclosures



**OCCASIONAL DELIVERY ENERGY SERVICE  
 RATE CODE E50**

Section No. 9  
 2nd Revised Sheet No. 2  
 Cancelling 1<sup>st</sup> Revised Sheet No. 2

**AVAILABILITY**

Available to any small qualifying facility (SQF) for the delivery of small amounts of energy.

**RATE**

Metering Charge for Single Phase Service per Month	\$2.60	1
Payment Schedule for Energy Delivered to Company		
Energy Payment per kWh	\$0.0232	1

**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 retail electric tariff.
2. Compensation for energy delivered to Company is limited to payment for a maximum 2,000 kWh delivered per month. Delivery of energy to Company in excess of this limit will be uncompensated.
3. The minimum contracted term of service is 12 months.
4. 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 SQF. The monthly metering charge recovers the cost of the additional metering equipment and the associated billing, operating, and maintenance expenses. The net interconnection charge recovers those costs incurred for equipment and expenses in excess of metering equipment and expenses. At the option of the SQF, the net interconnection charge will be a single payment or will be a monthly payment. The calculations of such charges are described in Subdivision 1, DEFINITIONS, in this section.
5. Payments are subject to the adjustment provided in Fuel Clause Rider.

Date Filed:

By: Michael L. Swenson  
 Chief Executive Officer & Managing Director  
 NSP - Dakotas

Effective Date:

Docket No.

Order Date:



**TIME OF DELIVERY ENERGY SERVICE  
 RATE CODE E52**

Section No. 9  
 2nd Revised Sheet No. 3  
 Cancelling 1<sup>st</sup> Revised Sheet No. 3

**AVAILABILITY**

Available to any small qualifying facility (SQF).

**RATE**

Metering Charge for Single Phase Service per Month	\$4.90	I
Payment Schedule for Energy Delivered to Company		
On Peak Energy Payment per kWh	\$0.0388	I
Off Peak Energy Payment per kWh	\$0.0150	I
Capacity Payment for Firm Power per On Peak kWh	\$0.0038	R

**FUEL CLAUSE**

Payments subject to the adjustment provided for in Fuel Clause Rider.

**DETERMINATION OF FIRM POWER**

The SQF will have supplied firm power if during the billing period an on peak capacity factor of at least 65% 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 retail electric tariff.
2. The minimum contracted term of service is 12 months.
3. 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 SQF. The monthly metering charge recovers the cost of the additional metering equipment and the associated billing, operating, and maintenance expenses. The net interconnection charge recovers those costs incurred for equipment and expenses in excess of metering equipment and expenses. At the option of the SQF, the net interconnection charge will be a single payment or will be a monthly payment. The calculations of such charges are described in Subdivision 1, DEFINITIONS, in this section.

Date Filed:

By: Michael L. Swenson  
 Chief Executive Officer & Managing Director  
 NSP - Dakotas

Effective Date:

Docket No.

Order Date:

**Derivation of Metering Costs - State of South Dakota**

<b>OCCASIONAL DELIVERY ENERGY SERVICE</b>	
<b>STANDARD KWH METER</b>	<b>Single Phase</b>
(1) Installed Cost	\$64.37
(2) L.A.R.R.	12.05%
(3) Levelized Cost (1)*(2)	\$7.76
(4) Accounting Expenses \$/Cust/Yr	\$23.82
(5) Total Annual (3)+(4)	\$31.58
(6) Total Monthly (5)/12	\$2.63
	Rounded To <b>\$2.60</b>
<b>TIME OF DELIVERY ENERGY SERVICE</b>	
<b>TOD KW/KWH METER</b>	<b>Single Phase</b>
(7) Installed Cost	\$292.38
(8) Levelized Cost (7)*(2)	\$35.23
(9) Total Annual (8)+(4)	\$59.05
(10) Total Monthly	\$4.92
	Rounded To <b>\$4.90</b>

Source:

(1)(7) Data provided by NSP Metering Dept.

(2) See page 6A.

(4) Based on NSP ECCOSS Workpapers (Docket No. EL92-018) escalated to 2000 level.

**Derivation of Energy Payments - State of South Dakota**

<b>OCCASIONAL DELIVERY ENERGY SERVICE</b>	
	<b>Annual Average</b>
(1) Estimated System Average Incremental Energy Costs for 2000 (\$/kWh)	2.15
(2) Energy Loss Factors	0.9241
(3) Estimated System Average Incremental Energy Costs Adjusted for Losses (1)/(2)	2.32

  

<b>TIME OF DAY PURCHASE SERVICE</b>		
	<b>Annual On Peak</b>	<b>Annual Off Peak</b>
(1) Estimated System Average Incremental Energy Costs for 2000 (\$/kWh)	3.55	1.39
(2) Energy Loss Factors	0.9170	0.9279
(3) Estimated System Average Incremental Energy Costs Adjusted for Losses(1)/(2)	3.88	1.50

Sources:  
 Incremental Energy Cost Data provided by NSP Resource Planning Dept.

**Northern States Power Company (Minnesota)  
 Electric Utility - State of South Dakota  
 Calculation of Net Annual Avoided Capacity Costs**

**NON-PROPRIETARY**

(1) Completed Cost of Planned C.T. Unit (**** \$)	\$**** /kW
(2) Inflation Net of Technical Progress	3.25%
(3) Average Service Life	30 Years
(4) Discount Rate (After Tax)	****%
Calculation of Marginal Capital Carry Charge Rate	
(5) Present Value of Revenue Requirements	\$**** /kW
(6) Annuity Factor Adjustment for Inflation **	****
(7) Present Value of Revenue Requirements Adjusted for Inflation (5)*(6)	\$****
(8) Marginal Capital Carrying Charge Rate (7)/(1)	****
(9) First Year Revenue Requirement (1)*(8)	\$**** /kW
(10) Present Value at ****%	\$**** /kW
(11) Present Value of Average Annual Fuel Savings	\$**** /kW
(12) Annual Avoided Capacity Cost (10)-(11)	\$**** /kW
(13) Adjusted for 15% Reserve Margin (12)*1.15	\$**** /kW
(14) Plus \$****/kW Fixed O & M (2000 \$) (13)+****	\$**** /kW
(15) Adjusted for Losses (14)/0.9041	\$**** /kW
(16) NET ANNUAL AVOIDED CAPACITY COST	\$**** /kW
(17) Net Annual Avoided Capacity Cost Average Over All Hours (16)*100/8760	0.38 cents/kWh

\*\* AC =  $K*(r-j)^t*(1+j)^{t-1}*[1/(1-(1+j)^n/(1+r)^n)]$   
 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) (0.00%)  
 j = Inflation Rate Net of Technology Progress (3.25%)  
 n = Expected Service Life of Investment ( 30 Years)

O & M = \$\*\*\*\*

**Northern States Power Company  
State of South Dakota  
Marginal Cost of Capital**

<i>(Before Tax)</i>	Capitalization Ratio (%)	Cost (%)	Weighted (%)
Debt	53.43%	7.38%	3.940%
Preferred Equity	2.79%	6.94%	0.190%
Common Equity	43.78%	11.25% *	4.930%
<b>Weighted Average</b>	100.00%		<b>9.060%</b>

\* Common Equity is Commission approved return in case no. PU-400-92-399

<i>(After Tax)</i>	Capitalization Ratio (%)	Cost (%)	Weighted (%)
Debt	53.43%	7.38%	2.557%
Preferred Equity	2.79%	6.94%	0.194%
Common Equity	43.78%	11.25% *	4.930%
<b>Weighted Average</b>	100.00%		<b>7.681%</b>

\* Common Equity is Commission approved return in case no. PU-400-92-399

Source:  
Information provided by NSP Financial Planning & Forecasting (Eric Gray)

**South Dakota Public Utilities Commission**  
**WEEKLY FILINGS**  
**For the Period of May 25, 2000 through May 31, 2000**

If you need a complete copy of a filing faxed, overnight expressed, or mailed to you,  
please contact Delaine Kolbo within five business days of this filing.

Phone: 605-773-3705 Fax: 605-773-3809

**CONSUMER COMPLAINT**

**CT00-075 In the Matter of the Complaint filed by Joyce Urlacher, Salem, South Dakota, against AT&T Communications of the Midwest, Inc. Regarding Continued Services and Charges at High Rates after Long Distance Services were Switched to Another Carrier.**

The complainant alleges that she requested her long distance services with AT&T to be discontinued on October 19, 1999. Her rate plan was discontinued, however, she continued to be billed for toll calls at higher rates. AT&T cancelled services on February 2, 2000. Ms. Urlacher has not received adjustments or credits for the higher rates. Ms. Urlacher also alleges poor customer service from AT&T. The complainant is seeking \$1000.00 because AT&T continued to charge her against her wishes and at excessive rates.

Staff Analyst: Charlene Lund  
Staff Attorney: Camron Hoseck  
Date Docketed: 05/25/00  
Intervention Deadline: NA

**CT00-076 In the Matter of the Complaint filed by Evelyn Bultsma, Sioux Falls, South Dakota, against Excel Telecommunications, Inc. Regarding Unauthorized Switching of Services.**

The Complainant claims that she was billed by Excel Communications without authorization. She is seeking \$1000 as compensation.

Staff Analyst: Leni Healy  
Staff Attorney: Karen E. Cremer  
Dated Filed: 05/25/00  
Intervention Deadline: NA

**CT00-077 In the Matter of the Complaint filed by Evelyn Bultsma, Sioux Falls, South Dakota, against Telco Billing, Inc. Regarding Unauthorized Switching of Services.**

The Complainant claims that she was billed by Telco Billing, Inc. without authorization. She is seeking \$1000 as compensation.

Staff Analyst: Leni Healy  
Staff Attorney: Karen E. Cremer

Date Filed: 05/25/00  
Intervention Deadline: NA

**CT00-078** In the Matter of the Complaint filed by Mark and Sue Cichos, Pierre, South Dakota, against Qwest Communications, Inc., Webnet Com, Inc. and ILD Teleservices, Inc. Regarding Unauthorized Switching of Services.

The Complainants allege that their long distance service was switched without their authorization. The Complainants are seeking compensation for the violations.

Staff Analyst: Leni Healy  
Staff Attorney: Camron Hoseck  
Date Filed: 05/30/00  
Intervention Deadline: NA

## ELECTRIC

**EL00-019** In the Matter of the Filing by Northern States Power Company for Approval of its Revised Rate Sheets for its Occasional Delivery Energy Service and Time of Delivery Energy Service.

Northern States Power Company has filed for Commission approval revised rate sheets for the Occasional Delivery Energy Service and Time of Delivery Energy Service. The proposed Occasional Delivery Energy Service rate sheet is revised to reflect a five cents per month increase in the metering charge and a 0.3 cents per kWh increase in energy payment. The proposed Time of Delivery Energy Service rate sheet is revised to reflect a fifty cents per month increase in the metering charge. Energy and capacity payments have also been revised to reflect the Company's 2000 avoided costs projection.

Staff Analyst: Michele Farris  
Staff Attorney: Karen E. Cremer  
Date Docketed: 05/31/00  
Intervention Deadline: 06/16/00

## TELECOMMUNICATIONS

**TC00-085** In the Matter of the Application of Midco Communications, Inc. and Sioux Falls Cable Television to Transfer their Respective Certificates of Authority to Midcontinent Communications.

On May 26, 2000, Midco Communications, Inc. and Sioux Falls Cable Television filed an application to transfer their respective certificates of authority to provide interexchange and local exchange telecommunication services to Midcontinent Communications, the applicants' parent company. Midcontinent Communications will be a South Dakota general partnership owned equally by Midcontinent and AT&TB&IS.

Staff Analyst: Keith Senger  
Staff Attorney: Camron Hoseck  
Date Docketed: 05/26/00  
Intervention Deadline: 06/16/00

**TC00-086 In the Matter of the Establishment of Switched Access Revenue Requirement for West River Cooperative Telephone Company.**

West River Cooperative Telephone Company, Bison, SD, filed a switched access cost study developing a revenue requirement that is included in the revenue requirement used to determine the switched access rates for the Local Exchange Carrier Association.

Staff Analyst: Harlan Best  
Staff Attorney: Karen E. Cremer  
Date Filed: 05/30/00  
Intervention Deadline: 06/16/00

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You may subscribe or unsubscribe to the PUC mailing lists at <http://www.state.sd.us/puc/>

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

IN THE MATTER OF THE FILING BY )	ORDER APPROVING TARIFF
NORTHERN STATES POWER COMPANY FOR )	REVISIONS
APPROVAL OF ITS REVISED RATE SHEETS )	
FOR ITS OCCASIONAL DELIVERY ENERGY )	EL00-019
SERVICE AND TIME OF DELIVERY ENERGY )	
SERVICE )	

On May 31, 2000, the Public Utilities Commission (Commission) received an application from Northern States Power Company (NSP) requesting approval to revise its rate sheets for the Occasional Delivery Energy Service and Time of Delivery Energy Service. NSP asked for approval of the following revised tariff sheets of its Electric Rate Schedule:

Occasional Delivery Energy Service Rate Code E50, Section No. 9, 2nd Revised Sheet No. 2, Cancelling 1st Revised Sheet No. 2

Time of Delivery Energy Service Rate Code E52, Section No. 9, 2nd Revised Sheet No. 3, Cancelling 1st Revised Sheet No. 3

According to the application the proposed Occasional Delivery Energy Service Rate Code E50 rate sheet is revised to reflect a five cents per month higher metering charge and .03 cents per kWh increased energy payment. The energy payment is based on the Company's 2000 avoided energy cost estimate. The proposed Time of Delivery Energy Service Rate Code E52 rate sheet is revised to reflect a fifty cents per month increase in metering charge. Similarly, energy and capacity payments are also revised to reflect the Company's 2000 avoided costs projection. Pursuant to a data request by Staff, NSP stated that there are no customers presently under the rate codes E50 and E52.

At its regularly scheduled September 13, 2000, meeting, the Commission discussed final approval of the application. Commission Staff recommended approval of the tariff revisions.

The Commission has jurisdiction over this matter pursuant to SDCL Chapter 49-34A, specifically 49-34A-4, 49-34A-6, 49-34A-8, 49-34A-10 and 49-34A-12. The Commission found the rate changes are just and reasonable and approved the revised tariffs. As the Commission's final decision in this matter, it is therefore

ORDERED, that NSP's aforementioned revised tariffs are approved and shall be effective for service rendered on and after the date of this Order.

Dated at Pierre, South Dakota, this 19<sup>th</sup> day of September, 2000.

**CERTIFICATE OF SERVICE**

The undersigned hereby certifies that this document has been served today upon all parties of record in this docket, as listed on the docket service list, by facsimile or by first class mail, in properly addressed envelopes, with charges prepaid thereon.

By: *Delaine Kolbo*

Date: 9/20/00

(OFFICIAL SEAL)

BY ORDER OF THE COMMISSION:

*James A. Burg*  
JAMES A. BURG, Chairman

*Pam Nelson*  
PAM NELSON, Commissioner

*Laska Schoenfelder*  
LASKA SCHOENFELDER, Commissioner



Xcel Energy  
South Dakota

Jim Wilcox, Manager  
Community & Government Relations  
500 West Russell Street  
P. O. Box 988  
Sioux Falls, SD 57101-0988  
Telephone (605) 339-8350

October 26, 2000

Mr. William Bullard, Executive Director  
South Dakota Public Utilities Commission  
State Capitol Building  
500 East Capitol Avenue  
Pierre, South Dakota 57501-5070

**RECEIVED**

OCT 26 2000

**SOUTH DAKOTA PUBLIC  
UTILITIES COMMISSION**

Re: **Revised Cogeneration and Small Power Production Service Charges**  
**Docket No. EL00-019**

Dear Mr. Bullard:

Enclosed for your current copy of Northern States Power Company's South Dakota Electric Rate Book, designated as SDPUC No. 2, are the following revised cogeneration and small power production tariff pages:

**Occasional Delivery Energy Service, Section 9, 2nd Revised Sheet No. 2**  
**Time of Delivery Energy Service, Section 9, 2nd Revised Sheet No. 3**

On May 31, 2000, the Company filed revised rate sheets pursuant to the Commission's Cogeneration and Small Power Production Order in Docket No. F-3365. The increases in metering charges and energy payments are based on the Company's 2000 avoided cost projections.

The Commission approved NSP's request on September 19, 2000, under Docket No. EL00-019. The revised rates are effective for service rendered on and after the order date.

If you have any questions regarding this matter, please contact me at (605) 339-8350.

Sincerely,

Jim Wilcox  
Manager, Community & Government Relations

encl.

cc Michael J. Swenson, Xcel Energy-SD  
Eileen Lund-Johnson, Xcel Energy-MN



**TIME OF DELIVERY ENERGY SERVICE**  
**RATE CODE E52**

Section No. 9  
 2nd Revised Sheet No. 3  
 Canceling 1<sup>st</sup> Revised Sheet No. 3

**AVAILABILITY**

Available to any small qualifying facility (SQF).

**RATE**

Metering Charge for Single Phase Service per Month	\$4.90	I
Payment Schedule for Energy Delivered to Company		
On Peak Energy Payment per kWh	\$0.0388	I
Off Peak Energy Payment per kWh	\$0.0150	I
Capacity Payment for Firm Power per On Peak kWh	\$0.0038	R

**FUEL CLAUSE**

Payments subject to the adjustment provided for in Fuel Clause Rider.

**DETERMINATION OF FIRM POWER**

The SQF will have supplied firm power if during the billing period an on peak capacity factor of at least 65% 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 retail electric tariff.
2. The minimum contracted term of service is 12 months.
3. 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 SQF. The monthly metering charge recovers the cost of the additional metering equipment and the associated billing, operating, and maintenance expenses. The net interconnection charge recovers those costs incurred for equipment and expenses in excess of metering equipment and expenses. At the option of the SQF, the net interconnection charge will be a single payment or will be a monthly payment. The calculations of such charges are described in Subdivision 1, DEFINITIONS, in this section.

Date Filed: 05-31-00	By: Michael L. Swenson	Effective Date: 09-19-00
	State Vice President, North Dakota & South Dakota	
Docket No. EL00-019		Order Date: 09-19-00



OCCASIONAL DELIVERY ENERGY SERVICE  
 RATE CODE E50

Section No. 9  
 2nd Revised Sheet No. 2  
 Canceling 1<sup>st</sup> Revised Sheet No. 2

**AVAILABILITY**

Available to any small qualifying facility (SQF) for the delivery of small amounts of energy.

**RATE**

Metering Charge for Single Phase Service per Month	\$2.60
Payment Schedule for Energy Delivered to Company Energy Payment per kWh	\$0.0232

**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 retail electric tariff.
2. Compensation for energy delivered to Company is limited to payment for a maximum 2,000 kWh delivered per month. Delivery of energy to Company in excess of this limit will be uncompensated.
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By: Michael L. Swenson  
 State Vice President, North Dakota & South Dakota

Effective Date: 09-19-00

Docket No. EL00-019

Order Date: 09-19-00