



414 Nicollet Mall  
Minneapolis, MN 55401

July 31, 2014

—Via Electronic Filing—

Burl W. Haar  
Executive Secretary  
Minnesota Public Utilities Commission  
121 7<sup>th</sup> Place East, Suite 350  
St. Paul, MN 55101

RE: PETITION  
INTERCONNECTION TARIFF CHANGES  
DOCKET NO. E002/M-14-\_\_\_\_\_

Dear Dr. Haar:

Northern States Power Company, doing business as Xcel Energy, submits the attached Petition for approval of changes to its Section 10 interconnection tariffs in compliance with the Commission's May 14, 2012 Order in Docket No. E002/GR-10-971.

We have electronically filed this document with the Minnesota Public Utilities Commission, and copies have been served on the parties on the attached service list.

Please contact Amber Hedlund at [amber.r.hedlund@xcelenergy.com](mailto:amber.r.hedlund@xcelenergy.com) or 612-337-2268 if you have any questions regarding this filing.

Sincerely,

/s/

AMY LIBERKOWSKI  
MANAGER  
REGULATORY ANALYSIS

Enclosures  
c: Service Lists

STATE OF MINNESOTA  
BEFORE THE  
MINNESOTA PUBLIC UTILITIES COMMISSION

Beverly Jones Heydinger	Chair
David C. Boyd	Commissioner
Nancy Lange	Commissioner
Dan Lipschultz	Commissioner
Betsy Wergin	Commissioner

IN THE MATTER OF THE PETITION OF  
NORTHERN STATES POWER COMPANY  
FOR APPROVAL OF INTERCONNECTION  
TARIFF CHANGES

DOCKET NO. E002/M-14-\_\_\_\_

**PETITION**

**INTRODUCTION**

Northern States Power Company, doing business as Xcel Energy, submits to the Minnesota Public Utilities Commission (Commission) this Petition for approval of changes to its Section 10 interconnection tariff as described below. In its 2011 test year electric rate case (Docket E002/GR-10-971) the Company entered into a partial settlement agreement under which the Company agreed to work with the Minnesota Chamber of Commerce (MCC) to modify tariff language to provide for firm cost estimates to perform interconnection studies. The Commission order of May 14, 2012 in that docket required the Company to comply with all filing requirements agreed to in that settlement.

The Company worked with the MCC on the proposed tariff language to provide for firm estimates for interconnection studies. In addition, the Company is also including proposed tariff changes to streamline the interconnection application fee process by combining the application fees and interconnection study fees into one charge.

We respectfully request Commission approval of these tariff modifications, which will provide for firm estimates of interconnection studies and streamline the application fee process for distributed generation customers.

In this Petition, we outline:

- The background;
- The proposed tariff changes related to the Settlement; and
- Additional proposed changes to streamline the application fee process.

## **I. SUMMARY OF FILING**

A one-paragraph summary of this filing accompanies this petition pursuant to Minnesota Rule 7829.1300, subp. 1.

## **II. SERVICE ON OTHER PARTIES**

Pursuant to Minnesota Rule 7829.1300, subp. 2, the Company has served a copy of this filing on the Office of the Attorney General – Antitrust and Utilities Division. A copy of the filing has been served on all parties on the enclosed service lists (Docket No. E002/GR-10-971, E002/GR-13-868, and the Company’s Miscellaneous Electric service list).

## **III. GENERAL FILING INFORMATION**

Pursuant to Minn. R. 7829.1300, subp. 3, Xcel Energy provides the following required information.

### **A. Name, Address, and Telephone Number of Utility**

Northern States Power Company, doing business as:  
Xcel Energy  
414 Nicollet Mall  
Minneapolis, MN 55401  
(612) 330-5500

### **B. Name, Address, and Telephone Number of Utility Attorney**

James R. Denniston  
Assistant General Counsel  
Xcel Energy  
414 Nicollet Mall, 5<sup>th</sup> Floor  
Minneapolis, MN 55401  
(612) 215-4656

### **C. Date of Filing and Proposed Effective Date of Rates**

Xcel Energy submits this Petition for approval on July 31, 2014. The proposed tariff modifications will be effective upon Commission approval.

#### **D. Statute Controlling Schedule for Processing the Filing**

Because no determination of Xcel Energy's general revenue requirement is necessary, this filing falls within the definition of a miscellaneous tariff filing under Minn. R. 7829.0100, subp. 11. Pursuant to Minn. R. 7829.1400, subps. 1 and 4, initial comments on a miscellaneous tariff filing are due within 30 days of filing, and replies are due 10 days from the expiration of the original comment period.

#### **E. Utility Employee Responsible for Filing**

Amy Liberkowski  
Manager, Regulatory Analysis  
Xcel Energy  
414 Nicollet Mall, 7<sup>th</sup> Floor  
Minneapolis, MN 55401  
(612) 330-6613

#### **IV. MISCELLANEOUS INFORMATION**

Pursuant to Minn. R. 7829.0700, Xcel Energy requests that the following persons be placed on the Commission's official service list for this matter:

James R. Denniston  
Assistant General Counsel  
Xcel Energy  
414 Nicollet Mall, 5<sup>th</sup> Floor  
Minneapolis, MN 55401  
[james.r.denniston@xcelenergy.com](mailto:james.r.denniston@xcelenergy.com)

SaGonna Thompson  
Records Analyst  
Xcel Energy  
414 Nicollet Mall, 7<sup>th</sup> Floor  
Minneapolis, MN 55401  
[regulatory.records@xcelenergy.com](mailto:regulatory.records@xcelenergy.com)

Any information requests in this proceeding should be submitted to Ms. Thompson at the Regulatory Records email address above.

#### **V. DESCRIPTION AND PURPOSE OF FILING**

##### **A. Background**

In the 2011 test year electric rate case (Docket No. E002/GR-10-971), the Company agreed to work with the MCC to modify the language in its distributed generation tariff to provide for firm cost estimates to perform interconnection studies. This agreement was captured in our Stipulation and Settlement Agreement dated November 14, 2011. Item F.1 on page 11 of the Settlement Agreement states in pertinent part:

*The Company agrees to work with the Chamber to modify its DG tariff language to provide for firm estimates to perform interconnection studies.*

The Commission's May 14, 2012 order in that case, in ordering paragraph 8, states:

*The Company shall comply with all filing requirements agreed to in the settlement and with all agreements entered into in the settlement, whether or not memorialized in this order.*

The Company reached agreement with the MCC on the proposed tariff language modifications in October 2013, and had planned to work with the MCC in the Commission's Cogeneration rulemaking advisory committee arising from Docket No. E-999/R-13-729 to advance the tariff modifications on a more generic basis if the scope allowed. Earlier this month, the MCC indicated their preference would be to propose the tariff modifications in a miscellaneous filing.

In addition, the Company proposes to streamline the application and study fee tables in our tariff book into one table to simplify the fee process for customers, and provide more detailed costs for generation of various sizes.

## **B. Proposed Tariff Modifications to provide Firm Study Estimates**

The proposed tariff modifications to provide firm study estimates are set forth in redline and clean format in Attachments A and B, and are described as follows:

- **Tariff Sheet 10-93:** The fees in the Application Fees table are fixed for all applicants except those with larger, more complicated interconnection types. The interconnection applications that may require further study fees are identified with an asterisk, with a note indicating that firm cost estimates for further studies will be provided to the applicant at the time of preliminary review, based on the scope of the interconnection provided in the application. With this proposal, the applicant's fee structure is known prior to submitting the application for all but the most complex interconnection situations. For applicants whose interconnections are complex, a firm cost estimate is provided at the time of preliminary review.
- **Tariff Sheet 10-94:** The proposed changes include the addition of the phrase "will be designated" in Step 2, part 1 in order to form a complete sentence.

- **Tariff Sheet 10-95:** Under Step 4, proposed language includes a provision for the applicant to receive an updated firm cost estimate for engineering studies should the scope of the project change from the original application. Upon receiving the updated estimate, the applicant has the option to pay the additional estimate and continue with the studies or withdraw the application and receive a refund for any unspent fees from the original application. Also, clarifying language is proposed in Step 3 part 1 in order to direct the applicant to the fee table on tariff sheet 10-93.

### **C. Additional Tariff Modifications to Streamline Interconnection Application Fees**

The proposed tariff modifications to streamline interconnection application fees are as follows:

- **Tariff Sheet 10-85:** The proposed changes include the correction of typographical errors, which includes fixing the definition of Quick Closed transfer in order to match transfer switch “make before break” definition in the diagram on tariff sheet 10-159.3.
- **Tariff Sheet 10-91:** Proposed clarifying language includes the identification of tariff sheet numbers for various requirements.
- **Tariff Sheet 10-93:** The proposed changes include streamlining the interconnection application process by combining the application fees and study fees into one table. This allows the applicant to pay one fixed fee for application and study fees in all but the most complex scenarios. The proposed fees are aligned to recover costs associated with the application review and study processes. Additional fees may be required for further study in the case of the more complex interconnections; these scenarios are identified in the fee table along with a commitment to provide firm study cost estimates.
- **Tariff Sheet 10-94:** These changes include removal of the study fee table and adding a reference to direct the reader to the fee table on tariff sheet 10-93. The removal of the fees from this sheet support the combined table on sheet 10-93 for application and study fees.

## **VI. EFFECT OF PROJECT ON XCEL ENERGY REVENUE**

No net change in revenue to Xcel Energy will result from these tariff changes. The proposed fee changes include increases as well as decreases, and the Company forecasts no net increase or decrease in revenues associated with these changes.

## CONCLUSION

Xcel Energy respectfully requests the Commission approve these tariff modifications, which will provide for firm estimates of interconnection studies and streamline the application fee process for distributed generation customers.

Dated: July 31, 2014

Northern States Power Company

STATE OF MINNESOTA  
BEFORE THE  
MINNESOTA PUBLIC UTILITIES COMMISSION

Beverly Jones Heydinger  
David C. Boyd  
Nancy Lange  
Dan Lipschultz  
Betsy Wergin

Chair  
Commissioner  
Commissioner  
Commissioner  
Commissioner

IN THE MATTER OF THE PETITION OF  
NORTHERN STATES POWER COMPANY  
FOR APPROVAL OF INTERCONNECTION  
TARIFF CHANGES

DOCKET NO. E002/M-14-\_\_\_\_

**PETITION**

**SUMMARY OF FILING**

Please take note that on July 31, 2014, Northern States Power Company, doing business as Xcel Energy, filed with the Minnesota Public Utilities Commission a Petition for approval of tariff modifications to provide for firm estimates for interconnection studies. In addition, the Company is also including proposed tariff changes to streamline the interconnection application fee process by combining the application fees and interconnection study fees into one charge.



# Redline

**MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**

**DISTRIBUTED GENERATION STANDARD  
INTERCONNECTION AND POWER PURCHASE TARIFF  
(Continued)**

Section No. 10  
~~Original~~1st Revised Sheet No. 85

**GENERAL INFORMATION (Continued)**

**A. Definitions (Continued)**

11. "Local EPS" is an electric power system (EPS) contained entirely within a single premises or group of premises.
12. "Nameplate Capacity" is the total nameplate capacity rating of all the Generation included in the Generation System. For this definition the "standby" and/or maximum rated kW capacity on the nameplate shall be used.
13. "Open Transfer" is a method of transferring the local loads from Xcel Energy to the generator such that the generator and Xcel Energy are never connected together.
14. "Point of Common Coupling" is the point where the Local EPS is connected to Xcel Energy.
15. "Quick Closed" is a method of generation transfer which does not parallel or parallels for less than ~~400~~500 msec with Xcel Energy and has utility grade timers which limit the parallel duration to less than ~~400~~500 msec with Xcel Energy.
16. "Technical Requirements" is the State of Minnesota Distributed Generation Interconnection Requirements".
17. "Transmission System" means those facilities as defined by using the guidelines established by the Minnesota State Public Utilities Commission; "In the Matter of Developing Statewide Jurisdictional Boundary Guidelines for Functionally Separating Interstate Transmission from Generation and Local Distribution Functions" Docket No. E-015/M-99-1002.

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**B. Dispute Resolution**

The following is the dispute resolution process to be followed for problems that occur with the implementation of this process.

1. Each Party agrees to attempt to resolve all disputes arising hereunder promptly, equitably and in a good faith manner.
2. In the event a dispute arises under this process, and if it cannot be resolved by the Parties within thirty (30) days after written notice of the dispute to the other Party, the Parties shall submit the dispute to mediation by a mutually acceptable mediator, in a mutually convenient location in the State of Minnesota. The Parties agree to participate in good faith in the mediation for a period of 90 days. If the parties are not successful in resolving their disputes through mediation, then the Parties may refer the dispute for resolution to the Minnesota Public Utilities Commission, which shall maintain continuing jurisdiction over this process.

(Continued on Sheet No. 10-86)

Date Filed: ~~11-02-05~~07-31-14 By: ~~Cynthia L. Leshner~~David M. Sparby Effective Date: ~~02-01-07~~  
President and CEO of Northern States Power Company, ~~a Minnesota corporation~~  
Docket No. E002/~~GR-05-1428~~M-14- Order Date: ~~09-01-06~~

**MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**

**DISTRIBUTED GENERATION STANDARD  
 INTERCONNECTION AND POWER PURCHASE TARIFF  
 (Continued)**

Section No. 10  
~~Original~~1st Revised Sheet No. 91

**GENERAL INFORMATION (Continued)**

**I. Non-Warranty**

Neither by inspection, if any, or non-rejection, nor in any other way, does Xcel Energy give any warranty, expressed or implied, as to the adequacy, safety, or other characteristics of any structures, equipment, wires, appliances or devices owned, installed or maintained by the Applicant or leased by the Applicant from third parties, including without limitation the Generation System and any structures, equipment, wires, appliances or devices pertinent thereto.

**J. Required Documents**

The chart below lists the documents required for each type and size of Generation System proposed for interconnection.

Find your type of Generation System interconnection, across the top, then follow the chart straight down, to determine what documents are required as part of the interconnection process.

<b>GENERATION INTERCONNECTION DOCUMENT SUMMARY</b>						
<u>Open Transfer</u> <u>≤ 1 MW</u>	<u>Open Transfer</u> <u>&gt; 1 MW Only</u>	<u>Quick Closed</u> <u>Transfer</u>	<u>Soft Loading</u> <u>Transfer</u>	<u>Extended Parallel Operation</u>		
				<u>QF facility</u> <u>≤40 kW</u>	<u>Without</u> <u>SalesNon-</u> <u>Exporting</u>	<u>With</u> <u>SalesExportin</u> <u>g &amp; Net</u>
<u>Interconnection Process (This document, beginning at Sheet No. 10-83)</u>						
<u>State of Minnesota Distributed Generation Interconnection Requirements (beginning at Sheet No. 10-135)</u>						
<u>Generation Interconnection Application (Appendix B-beginning at Sheet No. 10-102)</u>						
				<u>Engineering Data Submittal</u> <u>(Appendix C-beginning at Sheet No. 10-105)</u>		
				<u>Interconnection Agreement</u> <u>(Appendix E-beginning at Sheet No. 10-113)</u>		
				<u>MISO / FERC</u>		<u>PPA</u>

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(Continued on Sheet No. 10-92)

Date Filed: 11-02-0507-31-14 By: Cynthia L. Leshor~~David M. Sparby~~ Effective Date: 02-01-07  
 President and CEO of Northern States Power Company, a Minnesota corporation  
 Docket No. E002/GR-05-1428M-14- Order Date: 09-01-06

**DISTRIBUTED GENERATION STANDARD  
 INTERCONNECTION AND POWER PURCHASE TARIFF  
 (Continued)**

Section No. 10  
~~Original~~ 1st Revised Sheet No. 93

**Process for Interconnection (Continued)**

**Step 1 Application (By Applicant) (Continued)**

**Generation Interconnection Application Fees**

Interconnection Type	≤ 20 kW	> 20 kW & ≤ 250 kW	> 250 kW & ≤ 500 kW	> 500 kW & ≤ 1000 kW	> 1000 kW > 1 MW & ≤ 10 MW
<b>Open Transfer</b>	\$0	\$0	\$0	\$100	\$100
<b>Quick Closed</b>	\$0	\$100	\$100	\$250	\$500
<b>Soft Loading</b>	\$100	\$250	\$500	\$500	\$1000
<b>Extended Parallel (Pro-Certified System)</b>	\$0	\$250	\$1000	\$1000	\$1500
<b>Other Extended Parallel Systems</b>	\$100	\$500	\$1500	\$1500	\$1500
<b>Open Transfer</b>	\$0	\$0	\$0	\$0	\$250
<b>Quick Closed Transfer</b>	\$250	\$250	\$250	\$250	\$250
<b>Soft Closed Transfer</b>	\$250	\$250	\$500	\$500	\$1000
<b>Extended Parallel Non-exporting Pre-certified</b>	\$250	\$250	\$250	\$1000	\$1500*
<b>Extended Parallel Non-exporting</b>	\$250	\$250	\$1000	\$1000	\$2000*
<b>Extended Parallel Pre-certified</b>	\$250	\$500	\$2000	\$2000	\$1500*
<b>Extended Parallel Non-Pre-certified</b>	\$250	\$1000	\$3000	\$2000*	\$2000*

\* Engineering study fees may apply. Firm cost estimate for study will be given at the time of preliminary review, based on scope provided in application. If scope changes after estimate is provided, then firm cost estimate may be updated.

(Continued on Sheet No. 10-94)

Date Filed: 11-02-0507-31-14 By: Cynthia L. LeshorDavid M. Sparby Effective Date: 02-01-07  
 President and CEO of Northern States Power Company, a Minnesota corporation  
 Docket No. E002/GR-05-1428M-14- Order Date: 09-01-06

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**DISTRIBUTED GENERATION STANDARD  
INTERCONNECTION AND POWER PURCHASE TARIFF  
(Continued)**

Section No. 10  
~~Original~~ 1st Revised Sheet No. 93

This application fee is to contribute to Xcel Energy's labor costs for administration, review of the design concept and ~~preliminary engineering screening for the proposed Generation System interconnection~~ interconnection engineering review, except additional studies may be needed for the large, complex categories designated with an "\*" in the above table.

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For the Application Fees chart, above:

The size (kW) of the Generation System is the total maximum Nameplate Capacity of the Generation System.

**Step 2 – Preliminary Review (By Xcel Energy)**

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~~Within 15 business days of receipt of all the information listed in Step 1, the Xcel Energy Generation Interconnection Coordinator shall respond to the Applicant with the information listed below. (If the information required in Step 1 is not complete, the Applicant will be notified, within 10 business days of what is missing and no further review will be completed until the missing information is submitted. The 15-day clock will restart with the new submittal)~~

~~As part of Step 2 the proposed Generation System will be screened to see if additional Engineering Studies are required. The base screening criteria is listed in the general information section of this document.~~

~~1) A single point of contact with Xcel Energy for this project. (Generation Interconnection Coordinator)~~

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(Continued on Sheet No. 10-94)

Date Filed: 11-02-0507-31-14 By: ~~Cynthia L. Leshner~~ David M. Sparby Effective Date: 02-01-07  
President and CEO of Northern States Power Company, a Minnesota corporation  
Docket No. E002/GR-05-1428M-14- Order Date: 09-01-06

**DISTRIBUTED GENERATION STANDARD  
 INTERCONNECTION AND POWER PURCHASE TARIFF  
 (Continued)**

Section No. 10  
~~Original~~ 1st Revised Sheet No. 94

**Process for Interconnection (Continued)**

**Step 2 Preliminary Review (By Xcel Energy)**

~~Within 15 business days of receipt of all the information listed in Step 1, the Xcel Energy Generation Interconnection Coordinator shall respond to the Applicant with the information listed below. (If the information required in Step 1 is not complete, the Applicant will be notified, within 10 business days of what is missing and no further review will be completed until the missing information is submitted. The 15-day clock will restart with the new submittal)~~

~~As part of Step 2 the proposed Generation System will be screened to see if additional Engineering Studies are required. The base screening criteria is listed in the general information section of this document.~~

- 1) ~~A single point of contact with Xcel Energy will be designated for this project. (Generation Interconnection Coordinator)~~

**Step 2 Preliminary Review (By Xcel Energy) (Continued)**

- 2) Approval or rejection of the generation interconnection request.
  - a) Rejection – Xcel Energy shall supply the technical reasons, with supporting information, for rejection of the interconnection Application.
  - b) Approval - An approved Application is valid for 6 months from the date of the approval. The Generation Interconnection Coordinator may extend this time if requested by the Applicant
- 3) If additional specialized engineering studies are required for the proposed interconnection, the following information will be provided to the Applicant. ~~Categories which may require additional study are noted in the Generation Interconnection Application Fees table in Step 1. Typical Engineering Studies are outlined in Appendix D. The costs to the Applicant, for these studies shall be not exceed the values shown in the following table for pre-certified equipment.~~

<b>Generation System Size</b>	<b>Engineering Study Maximum Costs</b>
<del>&lt;20kW</del>	<del>\$0</del>
<del>20kW—100kW</del>	<del>\$500</del>
<del>100kW—250kW</del>	<del>\$1000</del>
<del>&gt;250kW or not pre-certified equipment</del>	<del>Actual costs</del>

- a) General scope of the engineering studies required.
- b) Estimated cost of the engineering studies.
- c) Estimated duration of the engineering studies.
- d) Additional information required to allow the completion of the engineering studies.

(Continued on Sheet No. 10-95)

Date Filed: 11-02-0507-31-14 By: Cynthia L. Leshor/David M. Sparby Effective Date: 02-01-07  
 President and CEO of Northern States Power Company, a Minnesota corporation  
 Docket No. E002/GR-05-1428M-14- Order Date: 09-01-06

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**DISTRIBUTED GENERATION STANDARD  
INTERCONNECTION AND POWER PURCHASE TARIFF  
(Continued)**

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Section No. 10  
~~Original~~ 1st Revised Sheet No. 94

- e) Study authorization agreement.
- 4) Comments on the schedule provided.
- 5) If the rules of MISO (Midwest Independent System Operator) require that this interconnection request be processed through the MISO process, the Generation Interconnection Coordinator will notify the Applicant that the generation system is not eligible for review through the State of Minnesota process.

(Continued on Sheet No. 10-95)

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Date Filed: ~~11-02-05~~07-31-14 By: ~~Cynthia L. Leshor~~David M. Sparby Effective Date: ~~02-01-07~~  
President and CEO of Northern States Power Company, a Minnesota corporation  
Docket No. E002/~~GR-05-1428~~M-14- Order Date: ~~09-01-06~~

**MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**

**DISTRIBUTED GENERATION STANDARD  
 INTERCONNECTION AND POWER PURCHASE TARIFF  
 (Continued)**

Section No. 10  
~~Original~~1st Revised Sheet No. 95

**Process for Interconnection (Continued)**

**Step 3 Go - No Go Decision for Engineering Studies (By Applicant)**

In this step, the Applicant will decide whether or not to proceed with the required engineering studies for the proposed generation interconnection. If no specialized engineering studies are required by Xcel Energy, Xcel Energy and the Applicant will automatically skip this step.

If the Applicant decides NOT to proceed with the engineering studies, the Applicant shall notify the Generation Interconnection Coordinator, so other generation interconnection requests in the queue are not adversely impacted. Should the Applicant decide to proceed, the Applicant shall provide the following to the Generation Interconnection Coordinator:

- 1) Payment, if required by Xcel Energy for the specialized engineering studies for the categories indicated in the fee table on Sheet No. 10-93.
- 2) Additional information requested by Xcel Energy to allow completion of the engineering studies.

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**Step 4 Engineering Studies (By Xcel Energy)**

In this step, Xcel Energy will be completing the specialized engineering studies for the proposed generation interconnection, as outlined in Step 2. These studies should be completed in the time frame provided in step 2, by Xcel Energy. It is expected that Xcel Energy shall make all reasonable efforts to complete the Engineering Studies within the time frames shown below. If additional time is required to complete the engineering studies the Generation Interconnection Coordinator shall notify the Applicant and provide the reasons for the time extension. Upon receipt of written notice to proceed, payment of applicable fee, and receipt of all engineering study information requested by Xcel Energy in step 2, Xcel Energy shall initiate the engineering studies.

Generation System Size	Engineering Study Completion
<20kW	20 working days
20kW – 250kW	30 working days
250kW – 1MW	40 working days
> 1MW	90 working days

Once it is known by Xcel Energy that the ~~scope of the project has changed, actual costs for the engineering studies will exceed the estimated amount by more the 25%,~~ then the Applicant shall be notified. Xcel Energy shall then provide ~~the reason(s) for the studies needing to exceed the original estimated amount and provide~~ an updated firm cost estimate ~~of the total cost~~ for the engineering studies. The Applicant shall be given the option of either withdrawing the application and having any unspent fees refunded, or paying the additional estimated amount to continue with the engineering studies.

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(Continued on Sheet No. 10-96)

Date Filed: 11-02-0507-31-14 By: Cynthia L. LeshorDavid M. Sparby Effective Date: 02-01-07  
 President and CEO of Northern States Power Company, a Minnesota corporation  
 Docket No. E002/GR-05-1428M-14- Order Date: 09-01-06



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**MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**

**DISTRIBUTED GENERATION STANDARD  
INTERCONNECTION AND POWER PURCHASE TARIFF  
(Continued)**

Section No. 10  
1st Revised Sheet No. 85

**GENERAL INFORMATION (Continued)**

**A. Definitions (Continued)**

11. "Local EPS" is an electric power system (EPS) contained entirely within a single premises or group of premises.
12. "Nameplate Capacity" is the total nameplate capacity rating of all the Generation included in the Generation System. For this definition the "standby" and/or maximum rated kW capacity on the nameplate shall be used.
13. "Open Transfer" is a method of transferring the local loads from Xcel Energy to the generator such that the generator and Xcel Energy are never connected together.
14. "Point of Common Coupling" is the point where the Local EPS is connected to Xcel Energy.
15. "Quick Closed" is a method of generation transfer which does not parallel or parallels for less than 500 msec with Xcel Energy and has utility grade timers which limit the parallel duration to less than 500 msec with Xcel Energy.
16. "Technical Requirements" is the State of Minnesota Distributed Generation Interconnection Requirements".
17. "Transmission System" means those facilities as defined by using the guidelines established by the Minnesota State Public Utilities Commission; "In the Matter of Developing Statewide Jurisdictional Boundary Guidelines for Functionally Separating Interstate Transmission from Generation and Local Distribution Functions" Docket No. E-015/M-99-1002.

TC  
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**B. Dispute Resolution**

The following is the dispute resolution process to be followed for problems that occur with the implementation of this process.

1. Each Party agrees to attempt to resolve all disputes arising hereunder promptly, equitably and in a good faith manner.
2. In the event a dispute arises under this process, and if it cannot be resolved by the Parties within thirty (30) days after written notice of the dispute to the other Party, the Parties shall submit the dispute to mediation by a mutually acceptable mediator, in a mutually convenient location in the State of Minnesota. The Parties agree to participate in good faith in the mediation for a period of 90 days. If the parties are not successful in resolving their disputes through mediation, then the Parties may refer the dispute for resolution to the Minnesota Public Utilities Commission, which shall maintain continuing jurisdiction over this process.

(Continued on Sheet No. 10-86)

Date Filed: 07-31-14

By: David M. Sparby

Effective Date:

President and CEO of Northern States Power Company, a Minnesota corporation

Docket No. E002/M-14-

Order Date:

**MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**

**DISTRIBUTED GENERATION STANDARD  
 INTERCONNECTION AND POWER PURCHASE TARIFF  
 (Continued)**

Section No. 10  
 1st Revised Sheet No. 91

**GENERAL INFORMATION (Continued)**

**I. Non-Warranty**

Neither by inspection, if any, or non-rejection, nor in any other way, does Xcel Energy give any warranty, expressed or implied, as to the adequacy, safety, or other characteristics of any structures, equipment, wires, appliances or devices owned, installed or maintained by the Applicant or leased by the Applicant from third parties, including without limitation the Generation System and any structures, equipment, wires, appliances or devices pertinent thereto.

**J. Required Documents**

The chart below lists the documents required for each type and size of Generation System proposed for interconnection.

Find your type of Generation System interconnection, across the top, then follow the chart straight down, to determine what documents are required as part of the interconnection process.

GENERATION INTERCONNECTION DOCUMENT SUMMARY						
Open Transfer ≤ 1 MW	Open Transfer > 1 MW Only	Quick Closed Transfer	Soft Loading Transfer	Extended Parallel Operation		
				QF facility ≤ 40 kW	Non-Exporting	Exporting & Net
Interconnection Process (This document, beginning at Sheet No. 10-83)						
State of Minnesota Distributed Generation Interconnection Requirements (beginning at Sheet No. 10-135)						
Generation Interconnection Application (Appendix B-beginning at Sheet No. 10-102)						
				Engineering Data Submittal (Appendix C-beginning at Sheet No. 10-105)		
				Interconnection Agreement (Appendix E-beginning at Sheet No. 10-113)		
				MISO / FERC		
						PPA

(Continued on Sheet No. 10-92)

Date Filed: 07-31-14

By: David M. Sparby

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President and CEO of Northern States Power Company, a Minnesota corporation

Docket No. E002/M-14-

Order Date:

**MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**

**DISTRIBUTED GENERATION STANDARD  
 INTERCONNECTION AND POWER PURCHASE TARIFF  
 (Continued)**

Section No. 10  
 1st Revised Sheet No. 93

**Process for Interconnection (Continued)**

**Step 1 Application (By Applicant) (Continued)**

**Generation Interconnection Application Fees**

<b>Interconnection Type</b>	<b>≤ 20 kW</b>	<b>&gt; 20 kW &amp; ≤ 250 kW</b>	<b>&gt; 250 kW &amp; ≤ 500 kW</b>	<b>&gt; 500 kW &amp; ≤ 1000 kW</b>	<b>&gt; 1 MW &amp; ≤ 10 MW</b>
<b>Open Transfer</b>	\$0	\$0	\$0	\$0	\$250
<b>Quick Closed Transfer</b>	\$250	\$250	\$250	\$250	\$250
<b>Soft Closed Transfer</b>	\$250	\$250	\$500	\$500	\$1000
<b>Extended Parallel Non-exporting Pre-certified</b>	\$250	\$250	\$250	\$1000	\$1500*
<b>Extended Parallel Non-exporting</b>	\$250	\$250	\$1000	\$1000	\$2000*
<b>Extended Parallel Pre-certified</b>	\$250	\$500	\$2000	\$2000	\$1500*
<b>Extended Parallel Non-Pre-certified</b>	\$250	\$1000	\$3000	\$2000*	\$2000*

\* Engineering study fees may apply. Firm cost estimate for study will be given at the time of preliminary review, based on scope provided in application. If scope changes after estimate is provided, then firm cost estimate may be updated.

This application fee is to contribute to Xcel Energy's labor costs for administration, review of the design concept and interconnection engineering review, except additional studies may be needed for the large, complex categories designated with an "\*" in the above table.

For the Application Fees chart, above:

The size (kW) of the Generation System is the total maximum Nameplate Capacity of the Generation System.

(Continued on Sheet No. 10-94)

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**MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**

**DISTRIBUTED GENERATION STANDARD  
INTERCONNECTION AND POWER PURCHASE TARIFF  
(Continued)**

Section No. 10  
1st Revised Sheet No. 94

**Process for Interconnection (Continued)**  
**Step 2 Preliminary Review (By Xcel Energy)**

Within 15 business days of receipt of all the information listed in Step 1, the Xcel Energy Generation Interconnection Coordinator shall respond to the Applicant with the information listed below. (If the information required in Step 1 is not complete, the Applicant will be notified, within 10 business days of what is missing and no further review will be completed until the missing information is submitted. The 15-day clock will restart with the new submittal)

- 1) A single point of contact with Xcel Energy will be designated for this project. (Generation Interconnection Coordinator)
- 2) Approval or rejection of the generation interconnection request.
  - a) Rejection – Xcel Energy shall supply the technical reasons, with supporting information, for rejection of the interconnection Application.
  - b) Approval - An approved Application is valid for 6 months from the date of the approval. The Generation Interconnection Coordinator may extend this time if requested by the Applicant
- 3) If additional specialized engineering studies are required for the proposed interconnection, the following information will be provided to the Applicant. Categories which may require additional study are noted in the Generation Interconnection Application Fees table in Step 1. Typical Engineering Studies are outlined in Appendix D.
  - a) General scope of the engineering studies required.
  - b) Estimated cost of the engineering studies.
  - c) Estimated duration of the engineering studies.
  - d) Additional information required to allow the completion of the engineering studies.
  - e) Study authorization agreement.
- 4) Comments on the schedule provided.
- 5) If the rules of MISO (Midwest Independent System Operator) require that this interconnection request be processed through the MISO process, the Generation Interconnection Coordinator will notify the Applicant that the generation system is not eligible for review through the State of Minnesota process.

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(Continued on Sheet No. 10-95)

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**MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2**

**DISTRIBUTED GENERATION STANDARD  
 INTERCONNECTION AND POWER PURCHASE TARIFF  
 (Continued)**

Section No. 10  
 1st Revised Sheet No. 95

**Process for Interconnection (Continued)**

**Step 3 Go - No Go Decision for Engineering Studies (By Applicant)**

In this step, the Applicant will decide whether or not to proceed with the required engineering studies for the proposed generation interconnection. If no specialized engineering studies are required by Xcel Energy, Xcel Energy and the Applicant will automatically skip this step.

If the Applicant decides NOT to proceed with the engineering studies, the Applicant shall notify the Generation Interconnection Coordinator, so other generation interconnection requests in the queue are not adversely impacted. Should the Applicant decide to proceed, the Applicant shall provide the following to the Generation Interconnection Coordinator:

- 1) Payment, if required by Xcel Energy for the specialized engineering studies for the categories indicated in the fee table on Sheet No. 10-93.
- 2) Additional information requested by Xcel Energy to allow completion of the engineering studies.

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**Step 4 Engineering Studies (By Xcel Energy)**

In this step, Xcel Energy will be completing the specialized engineering studies for the proposed generation interconnection, as outlined in Step 2. These studies should be completed in the time frame provided in step 2, by Xcel Energy. It is expected that Xcel Energy shall make all reasonable efforts to complete the Engineering Studies within the time frames shown below. If additional time is required to complete the engineering studies the Generation Interconnection Coordinator shall notify the Applicant and provide the reasons for the time extension. Upon receipt of written notice to proceed, payment of applicable fee, and receipt of all engineering study information requested by Xcel Energy in step 2, Xcel Energy shall initiate the engineering studies.

<b>Generation System Size</b>	<b>Engineering Study Completion</b>
<20kW	20 working days
20kW – 250kW	30 working days
250kW – 1MW	40 working days
> 1MW	90 working days

Once it is known by Xcel Energy that the scope of the project has changed, then the Applicant shall be notified. Xcel Energy shall then provide an updated firm cost estimate for the engineering studies. The Applicant shall be given the option of either withdrawing the application and having any unspent fees refunded, or paying the additional estimated amount to continue with the engineering studies.

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(Continued on Sheet No. 10-96)

Date Filed: 07-31-14 By: David M. Sparby Effective Date:  
 President and CEO of Northern States Power Company, a Minnesota corporation  
 Docket No. E002/M-14- Order Date:

**CERTIFICATE OF SERVICE**

I, Theresa Sarafolean, hereby certify that I have this day served copies or summaries of the foregoing document on the attached list of persons.

xx by depositing a true and correct copy thereof, properly enveloped with postage paid in the United States Mail at Minneapolis, Minnesota

xx electronic filing

**DOCKET NO. E002/GR-10-971  
E002/GR-13-868  
XCEL ENERGY'S MISCELLANEOUS ELECTRIC SERVICE LIST**

Dated this 31st day of July 2014

/s/

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Theresa Sarafolean  
Administrative Assistant

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