



414 Nicollet Mall
Minneapolis, MN 55401

December 22, 2014

—Via Electronic Filing—

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

RE: RESPONSES TO MPUC INFORMATION REQUEST NOS. 1-3
CHANGES TO SECTION 10 INTERCONNECTION TARIFFS
Docket No. E002/M-14-648

Dear Dr. Haar:

Northern States Power Company, doing business as Xcel Energy, submits the enclosed responses to the referenced Minnesota Public Utilities Commission's Information Requests in the above-noted docket.

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 me at amber.r.hedlund@xcelenergy.com or (612) 337-2268 if you have any questions regarding this filing.

Sincerely,

/s/

AMBER R. HEDLUND
REGULATORY CASE SPECIALIST

Enclosures
c: Service List

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 Public Document – Trade Secret Data Excised
 Public Document

Xcel Energy

Docket No.: E002/M-14-648

Response To: MN Public Utilities Commission Information Request No. 1

Requestor: Andrew Twite

Date Received: December 12, 2014

Question:

On page 2 of Xcel's supplemental reply comments, the Company provides a list of actions taken to evaluate interconnection applications for systems of 20 kW or less. Please provide an estimate of the time required to perform each of the following actions:

- Checking the application information for completeness and following-up on any missing information: __minutes.
- Reviewing the interconnection agreement: __minutes.
- Confirming proof of insurance: __minutes.
- Assessing the site diagram and site plan to verify the proposed facility is suitable for interconnection: ___minutes.

Response:

The following are the requested time estimates:

- Checking the application information for completeness and following-up on any missing information: 15 minutes.
- Reviewing the interconnection agreement: 10 minutes.
- Confirming proof of insurance: 5 minutes.
- Assessing the site diagram and site plan to verify the proposed facility is suitable for interconnection: 1 to 4 hours.

In addition, we also spend time on steps such as analyzing whether the facility would pose any risk of overload or other potential problems on our distribution system.

Preparer: Shawn Bagley
Title: Principal Engineer
Department: Area Engineering
Telephone: (651) 265-7056
Date: December 22, 2014

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Xcel Energy

Docket No.: E002/M-14-648

Response To: MN Public Utilities Commission Information Request No. 2

Requestor: Andrew Twite

Date Received: December 12, 2014

Question:

Approximately what percentage of the applications for installations of 20 kW or less is pre-certified?

Approximately what percentage of the applications for Solar*Rewards is pre-certified?

Response:

Approximately 95 percent of all DG applications for installations of 20 kW or less were pre-certified from 2010 through 2013. The Company anticipates that the percentage of applications using pre-certified equipment will rise even higher in the future. Currently all solar PV use certified inverters. Some wind applications, natural gas fueled and biogas fuel cell based generation will use certified inverters. There are also a few developing technologies that will use certified inverters, including some hydro.

100 percent of the Solar*Rewards applications use certified inverters today.

Preparer: Shawn Bagley

Title: Principal Engineer

Department: Area Engineering

Telephone: (651) 265-7056

Date: December 22, 2014

- Non Public Document – Contains Trade Secret Data**
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 Public Document

Xcel Energy

Docket No.: E002/M-14-648

Response To: MN Public Utilities Commission Information Request No. 3

Requestor: Andrew Twite

Date Received: December 12, 2014

Question:

Approximately what percentage of the applications for installations of 20 kW or less has existing DG at the premise or routed through the same transformer?

Approximately what percentage of the applications for Solar*Rewards has existing DG at the premise or routed through the same transformer?

Response:

Less than 5 percent of customers applying for Solar*Rewards or non-Solar*Rewards installations of 20 kW or less have existing DG at the premise or routed through the same transformer. The Company is starting to see more instances in which DG applications are on the same transformer as an existing DG system.

Preparer: Shawn Bagley

Title: Principal Engineer

Department: Area Engineering

Telephone: (651) 265-7056

Date: December 22, 2014

CERTIFICATE OF SERVICE

I, Tiffany Hughes, 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/M-14-648

Dated this 22nd day of December 2014

/s/

Tiffany Hughes
Records Analyst

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