

Interconnection Agreement

The following page references a signed and fully executed interconnection agreement between SV CSG Mankato North 1, LLC and Xcel Energy.



May 26, 2022

DER Study Results (Design/Construction Required)

Interconnection Customer/Owner Name: SV CSG Mankato North 1, LLC
DER Location: 44.224202, -93.981715, Mankato, MN, 56001
Project Description: 1000 kW MN DIP Project

Xcel Energy is pleased to deliver a good faith estimate which is an engineering indicative cost estimate for the Minnesota Distributed Energy Resource Interconnection Process (MN DIP) application for the above-referenced site:

Application #	Case #	Name	AC Nameplate Capacity (kW)
IA25424	4193997	SV CSG Mankato North 1, LLC	1000

The engineering indicative cost estimate has identified scope and costs to accommodate 1000 kW at 1.0 power factor.

This fixed power factor is required to keep steady state voltages within the ANSI C84.1-2011 Range A on the electric distribution system serving this site.

When performing the engineering reviews for this project, we included studying a total of 10.6 MWs of DERs already in service on the substation which includes 5 MWs of DERs already in commercial operation on the same feeder. We also included in these engineering reviews the 5 MWs of DERs ahead in the Interconnection Queue for the substation, which includes 2 MW of DERs ahead in the Interconnection Queue for this feeder, that are not yet in commercial operation. The indicative estimated cost is contingent upon all projects ahead in the Interconnection Queue moving forward with their executed interconnection agreements. Such projects may include Solar Rewards Community projects as well as all other types of DER interconnection projects including wind, hydro, or non-program PV. Any material modifications or cancellations to the previous projects in the Interconnection Queue may require significant changes in scope and cost for your project. Xcel Energy shall communicate pertinent cost or procedural changes to your project that are caused by changes to projects ahead of yours in the queue.

Our indicative estimated cost for proceeding with maximum kW allowed for this proposed project at the above site is \$ 99,807.00. This is the sum of the amounts in Attachments 2 and 6 contained in the attached Interconnection Agreement (MN DIA). This estimate is based on the content of the application as of the date it was deemed complete and we began our review for purposes of determining the good faith indicative estimated cost within the MN DIP time frame as set forth in our tariff. Please keep in mind that the costs in Attachments 2 and 6 are based on general assumptions as outlined in the MN DIA and any project-specific information provided or reviewed as part of the Facilities Study performed under MN DIP Attachment 7. The above figures can vary significantly and the customer will be responsible for the actual costs of the project.

The milestone schedule is outlined in Attachment 4 to the attached MN DIA. Please review this closely as this has particular requirements including the manner and method of providing notice for completion of certain milestone line items.

Please note that you need to provide or verify certain information or signatures on the following:

- 1.) Provide contact or identifying information on Sheets 251, 271, 272 and 273 of the attached MN DIA,
- 2.) Sign the MN DIA on Sheet 273,
- 3.) Sign Attachment 4 to the attached MN DIA,
- 4.) Sign the attached Statement of Work associated with Attachments 2 and 6 and the above engineering indicative cost estimate for the MN DIA, and,
- 5.) Provide the 24/7 contact information on Attachment 5, par. 9.3 to the attached MN DIA.

Please also note that if this cover letter and related attachments, including the MN DIA, use GPS coordinates to refer to the location of this project, you will have obtained a E991 street address for this project. We will need to enter into an amendment to replace the GPS coordinates in the MN DIA with the E991 street address.

You have the option of further proceeding with this project at the capacity allowed based on the provisions of the attached MN DIA, consistent with MN DIP 5.1.2, if within 30 Business Days of this letter you sign and return the attached MN DIA with the other information and signatures detailed above. If this is not timely done, your application shall be deemed withdrawn and the attached proposed MN DIA cannot be used. Consistent with MN DIP 5.6.4.1. by the time you sign the MN DIA you also must pay either the full amount of the above estimated cost, or pay at least one-third of the above estimated cost and provide an appropriate Letter of Credit acceptable to Xcel Energy for the remainder. A form of an acceptable Letter of Credit is attached. You agree to pay the actual costs consistent with the MN DIA and comply with all provisions of the applicable agreements and tariffs.

Pursuant to Minn. R. 7835.4750, please note that the Commission's interconnection standards as established in MPUC Docket No. E002/M-18-714 (or subsequent docket) are set forth in our Section 10 Tariff which as of the date of this letter is available at this link:

[https://www.xcelenergy.com/staticfiles/xcel-responsive/Company/Rates%20&%20Regulations/Rate%20Cases/Me_Section_10.pdf](https://www.xcelenergy.com/staticfiles/xcelresponsive/Company/Rates%20&%20Regulations/Rate%20Cases/Me_Section_10.pdf)

Consistent with the MPUC's January 22, 2020 order in Docket No. E-999/CI-16-521, the Minnesota Technical Requirements comprise both the TIIR and TSM which first become effective on July 1, 2020. After this effective date, the current versions of the TIIR and the Area EPS Operator's TSM can be accessed at the following link: https://www.xcelenergy.com/working_with_us/how_to_interconnect. In the event that this link changes over time or no longer points to the then-current TIIR or TSM, the Interconnection Customer can contact the Area EPS Operator for instruction on how to access the then-current versions of these documents.

In addition to the information in the MN DIA, we want to alert you that for us to execute this MN DIA, if the name of your corporation or LLC on the MN DIA is not registered with the Minnesota Secretary of State (either as a Minnesota corporation, Minnesota LLC, or as an out of state corporation or LLC transacting business in Minnesota) you will need to provide documentation showing that this is a legal entity.

1. We only want to enter into contracts with legal entities (such as corporations, LLCs or persons). We intend to verify that each entity claiming to be a corporation or LLC is a legal entity through the Minnesota Secretary of State website. If the legal entity has been formed in another state, you must provide us documentation showing this.
2. If this is not a legal entity, you must immediately provide us with the name(s) of actual legal entities to put on the applicable MN DIA. Any adjustments to your Interconnection Agreement documents to accommodate a request for changing names will not extend your 30 Business Day timeline to execute the MN DIA and all associated payments and other requirements. Please plan accordingly.

Study Results and Construction Estimates:

This letter and the attached MN DIA together provide system requirements and cost estimates of system modifications necessary for interconnection of the project identified above. The requirements for this project have been broken into two sections: operational requirements and system modifications. Operational requirements include DER facility size, settings, or procedures necessary to interconnect the proposed system. System modifications are physical equipment modifications that Xcel Energy will need to make to distribution and substation facilities for the interconnection to be feasible.

A model of the feeder, SMT082, on which the DER unit would interconnect, was created for the purpose of studying the feasibility of the proposed interconnection. The system impact study analyzed rapid voltage change, grounding issues, metering/monitoring, and short circuit protection to determine impacts on the Xcel Energy distribution system.

In addition, a facility study has been prepared to determine the above referenced good faith engineering indicative estimate of Distribution and Substation costs required to accommodate this project. This facility study was based on the data provided by the Interconnection Customer as part of MN DIP Attachment 7. However, the indicative cost estimate is generally based on typical conditions encountered on past construction projects, which may or may not be directly comparable.

A transmission study was not required.

Below is a list of additional considerations uncovered during the study.

- **Operational**
 - Short Circuit Analysis
 - The available fault current at the Point of Interconnection is calculated to be:
 - Single Line to Ground: 3595 Amps
 - 3-Phase: 4821 Amps
 - X/R + Seq: 3.12
 - X/R 0 Seq: 2.83
 - These values can and will change due to various circumstances. Xcel Energy personnel shall not be held responsible for any damage to property or person resulting from the use of this data.
 - These values do not include the applied-for DER contribution.
 - MISO/Transmission Assessment
 - A transmission system assessment is not required.

Please upload the executed MN DER Interconnection Agreement (MN DIA) package (including attachments) to the portal. **Please include the project Case # and “IA Payment” in wire/check notes**, and submit payment as listed below:

Wire transfer

Bank: Wells Fargo Banks, N.A.
City/Stage: San Francisco, CA
Routing/ABA: 121-000-248
Acct No: 31966
Acct Name: NSPM

Checks

Xcel Energy
Customer Receivables - MNDER
PO Box 59, Minneapolis, MN 55440-0059

Please contact me at Ryan.W.Smisek@xcelenergy.com if you have any questions regarding this information.

We look forward to working with you to bring more DER choices to our customers.

Thank you,

Ryan Smisek

Xcel Energy
Engineer

STATEMENT OF WORK REQUESTED

DATE: May 26, 2022
WORK REQUESTED BY: SV CSG Mankato North 1, LLC
WORK LOCATION: Mankato
ADDRESS: 44.224202, -93.981715, Mankato, MN, 56001
PROJECT/SITE NAME: SV CSG Mankato North 1, LLC
CASE NUMBER: 4193997

CONSISTING OF:

Payment for amounts due as reflected in Attachments 2 and 6 to the MN DIA associated with above work location.
See reverse for more details.

Please include the project Case # and "IA Payment" in wire/check notes, and submit payment as follows:

If payments are by wire transfer, send to:

Bank: Wells Fargo Bank, N.A.

City/State: San Francisco, CA

Routing/ABA: 121-000-248

Acct No: 31966

Acct Name: NSPM

If by check:

Xcel Energy

Customer Receivables - MNDER

PO Box 59

Minneapolis, MN 555440-0059

The facilities installed or removed by Northern States Power Company, a Minnesota corporate ("Xcel Energy" or the "Company") shall be the property of the Company and any payment by customer shall not entitle customer to any ownership interest or right therein. Customer's and Company's rights and obligations with respect to the facilities and services provided through the facilities are subject to additional terms and conditions as provided in the General Rules and Regulations and/or in the Rate Schedules of Xcel Energy's Electric Rate Book for customer's specific service, as they now exist or may hereafter be changed, on file with the state regulatory commission in the state where service is provided.

The undersigned hereby requests and authorizes Northern States Power Company, a Minnesota corporation ("Xcel to do the work described above, and in consideration thereof, agrees to pay \$ 99,807.00
in accordance with the following terms:

Payment required to move forward with design and construction for DER project

Receipt of the above amount hereby acknowledged on behalf of the Company _____

Northern States Power Company, a
Minnesota corporation ("Xcel Energy")

Customer

Print Full Name and Title

SV CSG Mankato North 1 LLC

Print Full Name and Title (if applicable)

Lee Gabler

lee.e.gabler@xcelenergy.com

Tim Polz

tim@sunvest.com

FOR XCEL ENERGY USE

Xcel Energy Representative _____

Xcel Energy Work Order # _____

Construction: \$ 99,807.00

Removal: \$

Total: \$ 99,807.00

Form 17-7012

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CONSISTING OF:

See MN DIA Attachment 2 and Attachment 6 for breakdown of the costs. One-third of the estimated cost is to be paid within 30 days and a Letter of Credit issued to cover the remaining estimated payment consistent with the Section 10 tariff and MN DIA. Above-named entity agrees to comply with all provisions of the Section 10 tariff and where applicable the Section 9 tariff.

These cost estimates are based on historical costs from similar Xcel Energy projects. Actual costs can vary significantly and the customer will be responsible for the actual costs of the project. This statement of work is valid for 30 days from the date of this notice. If either the signed agreement or initial one-third payment is received after this date, the SOW will not be countersigned by Xcel Energy, and the project is subject to rejection, loss of queue position, and will require a new application to be submitted to be considered.

Please complete signature(s) electronically through the interconnection portal and submit payment using one of the options below. For questions, reach out to MN Distributed Energy Resources at MNDER@xcelenergy.com. Please include the project Case # and "IA Payment" in wire/check notes, and submit payment as follows:

If payments are by wire transfer, send to:

Bank: Wells Fargo Bank, N.A.
City/State: San Francisco, CA
Routing/ABA: 121-000-248
Acct No: 31966
Acct Name: NSPM

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