

Fast Track Request Form

The following Fast Track Request Form is based on the SPP Tariff Attachment V, Generator Interconnection Procedures, under Section 14 Fast Track Process. It is the responsibility of the Interconnection Customer to be familiar with that section of the SPP Tariff and its requirements. Fast Track Eligibility does not constitute Fast Track Acceptance. Fast Track eligibility is determined based upon the generator type, the size of the generator, voltage of the line and the location of and the type of line at the Point of Interconnection that are vetted through a Screening process with the Transmission Owner and possible, additional Supplement analysis. If the Fast Track request passes Screening and any Supplemental analysis, SPP will coordinate the Generation Interconnection Agreement process between parties. An incomplete Fast Track Request Form will be rejected.

Interconnection Customer will provide a completed SPP Tariff Attachment A to Appendix 3 Form along with this Fast Track Request Form and associated documents. An incomplete Fast Track Request Application will be rejected.

Interconnection Customer Contact Information

Name: Dr. Klint Willert
Title: Superintendent
Company Name: Pipestone Area Schools
Project Name: PAS Solar
Address: 1401 7th Street SW
Address: _____
City: Pipestone State: MN ZIP: 56164
Phone: (507) 562-6068
Email Address: klint.willert@pas.k12.mn.us
Is there an RMS Ticket Associated With This Request, if so, the RMS # is: 97068 & 103174

Transmission Owner and Point of Interconnection

Name of Transmission Owner of the Point of Interconnection: L&O Power Cooperative
Transmission Owner Point of Contact (Name and email address): Troy Metzger , troy.metzger@dgr.com
Name and Bus Number of Point of Interconnection: PIPESTON-LO869.000 659731
Geographic coordinates of the proposed Point of Interconnection:
Latitude: 43 degrees, 59 minutes, 2.88 seconds (North)
Longitude: 96 degrees, 20 minutes, 25.20 seconds (West)

Project and Interconnection Information

Project or Line Voltage utilized at the Point of Interconnection? 7.2 kV

GEN Type of Interconnection (chosed one):

Synchronous _____

Induction _____

Certified Inverter Based X

If the GEN Type is Certified Inverter Based, does it meet any of the following Fast Track Eligibility criteria per the Inverter Based Table below? **Yes** X or **No** _____

<u>Fast Track Eligibility for Inverter-Based Systems</u>		
<u>Phase to Phase Line Voltage</u>	<u>Fast Track Eligibility Regardless of Location</u>	<u>Fast Track Eligibility on a Mainline¹ and <2.5 Electrical Circuit Miles from Substation²</u>
<u><5 kV</u>	<u>< 500 kW</u>	<u>< 500 kW</u>
<u>> 5 kV and < 15 kV</u>	<u>< 2 MW</u>	<u>< 3 MW</u>
<u>> 15 kV and < 30 kV</u>	<u>< 3 MW</u>	<u>< 4 MW</u>
<u>≥ 30kVand<69kV</u>	<u>< 4 MW</u>	<u>≤ 5 MW</u>

¹ For purposes of this table, a mainline is the three-phase backbone of a circuit. It will typically constitute lines with wire sizes of 4/0 American wire gauge, 336.4 kcmil, 397.5 kcmil, 477 kcmil and 795 kcmil.

²An Interconnection Customer can determine this information about its proposed interconnection location in advance by requesting a pre-application report pursuant to Section 2.2.

Demonstration of Certification, Safety and Operation

The Interconnection Customer must demonstrate Certification Requirements per Appendix 9 and Appendix 10 of the SPP Tariff Attachment V, Generator Interconnection Procedures (GIP), or show reasonable evidence the Transmission Owner has conducted a design and testing analysis deeming the project safe and operable:

Demonstration of Certification per Appendix 9 to GIP Form – provide no less than one of the standards and compliance documentation as referenced in Appendix 9 to GIP Form (must be included with this request).

And

Demonstration of Certification of Small Generator Equipment Packages per Appendix 10 to GIP Form – provide any associated standards or compliance document as required in Appendix 10 to GIP Form (must be included with this request).

Or Provide

Demonstration that the Transmission Owner has reviewed the design or tested the proposed Small Generating Facility and is satisfied that it is safe to operate (must be included with this request).

Fast Track Eligibility Review Fee* – \$1,000

Per Section 14.2 Initial Review of the Fast Track Process, the Interconnection Customer will provide a Fast Track Eligibility Review Fee of \$1,000.00. Upon application and submission of a Fast Track request the Interconnection

*Customer acknowledges that additional study costs, per Section 14.2.1.11, may arise pursuant to analysis associated with the Transmission Provider or the Transmission Owner screening process or any supplemental analysis.

\$1,000.00 Payment is provided in the form of: ACH / Wire X

Attachment A to Appendix 3

INTERCONNECTION REQUEST

1. The undersigned Interconnection Customer submits this request to interconnect its Generating Facility with the Transmission System pursuant to the Tariff.

2. This Interconnection Request is for (check one):

☒ A proposed new Generating Facility.

☐ An increase in the generating capacity or a Material Modification of an Existing Generating Facility.

☐ Replacement of Existing Generating Facility with no increase in capacity

3. The type of interconnection service requested (check one):

☐ Energy Resource Interconnection Service

☒ Network Resource Interconnection Service

4. All requests for Network Resource Interconnection Service are also studied for Energy Resource Interconnection Service.

5. The Interconnection Customer provides the following information:

a. Address or location of the proposed new Generating Facility site (to the extent known) or, in the case of an Existing Generating Facility, the name and specific location of the Existing Generating Facility:

1401 7th Street SW, Pipestone, MN 56164

Geographic coordinates of the proposed new or Existing Generating Facility site:

Latitude: 43 degrees, 59 minutes, 2.88 seconds (North)

Longitude: 96 degrees, 20 minutes, 25.20 seconds (West);

b. Maximum electrical output of the proposed new Generating Facility or the amount of increase in the generating capacity of an Existing Generating Facility;

Maximum summer electrical output or increase of 0.02 megawatts at 41 degrees C

Maximum winter electrical output or increase of 0.02 megawatts at -35 degrees C

- c. A description of the equipment configuration (i.e. Number of generators/inverters and number of Intermediate Step-up transformers) for the entire Generating Facility. Two parallel arrays that include (26) 410 W panels and (1) inverter each. To tie to the SVE distribution circuit, there is a main breaker, disconnect, meter, and step-up transformer.
- d. Preliminary one-line diagram of the Generating Facility that includes:
- Breaker layout, bus configuration (if available) and number of generators
 - Zero impedance lines (if applicable)
 - Distance from the collector substation to the POI in miles and the line impedance;
- e. Collector System Feeder Spreadsheet and Layout Diagrams; NA
- f. PSS/E User Defined Model files (.dll, .lib, .obj), documentation (generator model, power plant controller, etc.), and stability model files (.dyr, generator model, power plant controller, etc.);
- g. Commercial Operation Date (month/day/year); 11 / 01 / 2024;
- h. Name, address, telephone number, and e-mail address of Interconnection Customer's contact person in Item 9 below;
- i. Location of the proposed Point of Interconnection including the substation name or the name of the line to be tapped (including the voltage), the estimated distance from the substation endpoints of a line tap, address, and GPS coordinates.

POI substation name: Pipestone Sub

If a line tap, POI line name: Feeder #7 (endpoint 1) to _____ (endpoint 2)

POI Distance from endpoint 1: 3.7 miles (distance from Pipestone Sub to PAS POI on Feeder #7)

POI Distance from endpoint2: _____ miles

POI voltage: 7.2 kV

Address or location of the Point of Interconnection:

1401 7th Street SW, Pipestone, MN 56164

Geographic coordinates of the proposed Point of Interconnection:

Latitude: 43 degrees, 59 minutes, 2.88 seconds (North)

Longitude: 96 degrees, 20 minutes, 25.20 seconds (West);

- j. Geographical map showing the approximate location of the proposed Point of Interconnection and the location of the Generating Facility;
- k. Generating Facility Data (set forth in Attachment B to this Appendix 3);
- l. Requested capacity (in MW) of Interconnection Service (if lower than the Generating Facility Capacity); **NA**
- m. Fuel type(s) included in this project configuration:
 - ☐ Battery/Storage
 - ☐ Hybrid
 - ☐ Hydro
 - ☐ Nuclear
 - ☒ Solar
 - ☐ Thermal
 - ☐ Wind
 - ☐ Other: _____

Describe the prime mover (Combined Cycle Comb. Turbine, Combined Cycle Steam, Gas Turbine, Internal Combustion Engine, Steam Turbine, etc.):

PV Solar array

- n. Primary frequency response operating range for electric storage resources; **NA**
- o. If Interconnection Facilities will be shared, the project number of other Existing Generating Facilities or Interconnection Requests with which Interconnection Facilities will be shared shall be listed below. If no project number is available, state the name of the Interconnection Customer and describe the applicable Generating Facilities below.

NA

- p. For request for Generating Facility Replacement, the planned or actual date of cessation of operation of the Existing Generating Facility: (month/day/year)

____/____/____. **NA**

6. Applicable deposit amount and application fee as specified in the GIP.

7. Evidence of Site Control as specified in Section 8.2 the GIP:

X Site Control for the Generating Facility and one of the following:

X Site Control for at least fifty percent (50%) of the Generating Facility's high voltage tie line to Point of Interconnection; **OR**

_____ Additional financial security in the amount of \$80,000 per line right-of-way mile.

8. This Interconnection Request shall be submitted electronically, in the manner specified in Section 1 of the “Generator Interconnection Business Guide and Practice” manual posted on the Transmission Provider’s Generator Interconnection Study posting page on OASIS.

9. Representative of Interconnection Customer to contact (including e-mail address):

Name of Contact Person: Chris Graff with Sioux Valley Energy

Mailing Address: PO Box 216

City, State, Zip Colman, SD 57017

Telephone: 605-256-3171

E-mail address: chris.graff@siouxvalleyenergy.com

10. This Interconnection Request is submitted by:

Name of Interconnection Customer (Company): Pipestone Area Schools

By (signature): _____

Name (type or print): _____

Title: _____

Date: _____

APPENDIX 9 TO GIP

CERTIFICATION CODES AND STANDARDS

Certification and interconnection of Interconnection Customer's facilities with Transmission Owner's facilities shall be governed by all applicable local, state and federal statutes and regulations. In addition, Interconnection Customer's facilities shall be installed in accordance with all provisions set forth in Transmission Owner's Facility Connection Standard, Transmission Owner Service Standard and the National Electrical Safety Code (ANSI C1), National Electrical Code (NFPA 70), North American Electric Reliability Council (NERC), Regional Reliability Councils, American National Standards Institute (ANSI), Institute of Electrical and Electronics Engineers (IEEE), or other regulatory or governing body having jurisdiction. Connection of Interconnection Customer's facilities with Transmission Owner's facilities shall further be governed by any applicable statute, rule, order, provision, guide, or code of an organization, council, institute, regulatory or governing body having jurisdiction over such matters.

A sample list of such requirements is shown below (Note this list is not all-inclusive and the entities responsible for these requirements may update them at any time. The current versions shall be applicable.):

IEEE 1547 Standard for Interconnecting Distributed Resources with Electric Power Systems (including use of IEEE 1547.1 testing protocols to establish conformity)

UL 1741 Inverters, Converters, and Controllers for Use in Independent Power Systems

IEEE Std 929-2000 IEEE Recommended Practice for Utility Interface of Photovoltaic (PV) Systems

NFPA 70 (2002), National Electrical Code

IEEE Std C37.90.1-1989 (R1994), IEEE Standard Surge Withstand Capability (SWC) Tests for Protective Relays and Relay Systems

IEEE Std C37.90.2 (1995), IEEE Standard Withstand Capability of Relay Systems to Radiated Electromagnetic Interference from Transceivers

IEEE Std C37.108-1989 (R2002), IEEE Guide for the Protection of Network Transformers

IEEE Std C57.12.44-2000, IEEE Standard Requirements for Secondary Network Protectors

IEEE Std C62.41.2-2002, IEEE Recommended Practice on Characterization of Surges in Low Voltage (1000V and Less) AC Power Circuits

IEEE Std C62.45-1992 (R2002), IEEE Recommended Practice on Surge Testing for Equipment Connected to Low-Voltage (1000V and Less) AC Power Circuits

ANSI C84.1-1995 Electric Power Systems and Equipment – Voltage Ratings (60 Hertz)

IEEE Std 100-2000, IEEE Standard Dictionary of Electrical and Electronic Terms

NEMA MG 1-1998, Motors and Small Resources, Revision 3

IEEE Std 519-1992, IEEE Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems

NEMA MG 1-2003 (Rev 2004), Motors and Generators, Revision 1

APPENDIX 10 TO GIP

CERTIFICATION OF SMALL GENERATOR EQUIPMENT PACKAGES

- 1.0 Small Generating Facility equipment proposed for use separately or packaged with other equipment in an interconnection system shall be considered certified for interconnected operation if (1) it has been tested in accordance with industry standards for continuous utility interactive operation in compliance with the appropriate codes and standards referenced below by any Nationally Recognized Testing Laboratory (NRTL) recognized by the United States Occupational Safety and Health Administration to test and certify interconnection equipment pursuant to the relevant codes and standards listed in GIP Appendix 9, (2) it has been labeled and is publicly listed by such NRTL at the time of the interconnection application, and (3) such NRTL makes readily available for verification all test standards and procedures it utilized in performing such equipment certification, and, with consumer approval, the test data itself. The NRTL may make such information available on its website and by encouraging such information to be included in the manufacturer's literature accompanying the equipment.
- 2.0 The Interconnection Customer must verify that the intended use of the equipment falls within the use or uses for which the equipment was tested, labeled, and listed by the NRTL.
- 3.0 Certified equipment shall not require further type-test review, testing, or additional equipment to meet the requirements of this interconnection procedure; however, nothing herein shall preclude the need for an on-site commissioning test by the Parties to the interconnection nor follow-up production testing by the NRTL.
- 4.0 If the certified equipment package includes only interface components (switchgear, inverters, or other interface devices), then an Interconnection Customer must show that the generator or other electric source being utilized with the equipment package is compatible with the equipment package and is consistent with the testing and listing specified for this type of interconnection equipment.
- 5.0 Provided the generator or electric source, when combined with the equipment package, is within the range of capabilities for which it was tested by the NRTL, and does not violate the interface components' labeling and listing performed by the NRTL, no further design review, testing or additional equipment on the customer side of the point of common coupling shall be required to meet the requirements of this interconnection procedure.
- 6.0 An equipment package does not include equipment provided by the utility.
- 7.0 Any equipment package approved and listed in a state by that state's regulatory body for interconnected operation in that state prior to the effective date of these GIP shall be considered certified under these procedures for use in that state.