

Pre-Application Report Request

Persons interested in finding out the additional information regarding the interconnection of a distributed energy resource to the Utility's distribution system are to fill out this Pre-Application Report Request. The pre-application report request is to be filled out as completely as possible by the applicant. The Utility will provide the applicant with a Pre-Application Report within 15 business days once the completed Pre-Application Report Request and a \$300 fee is submitted to the Utility.

| Distributed Energy Resource Information | | |
|---|--|---|
| Project Address: | | |
| City: | State: | Zip Code: |
| GPS Coordinates: | Nearby Cross Streets: | |
| Location of the Proposed Point of Common Coupling (e.g. meter number or pole number): | | |
| DER Type (<i>Check all that apply</i>): | | |
| <input type="checkbox"/> Solar Photovoltaic | <input type="checkbox"/> Wind | <input type="checkbox"/> Battery Storage |
| <input type="checkbox"/> Combined Heat and Power | <input type="checkbox"/> Solar Thermal | <input type="checkbox"/> Other (please specify) |
| Total Aggregate Nameplate Rating of Proposed DER System (kW AC): | | |
| Phase Configuration of Proposed DER System | <input type="checkbox"/> Single | <input type="checkbox"/> Three |
| Service Voltage of Proposed DER System | Volts | |
| Will this be a stand-alone generator not interconnected to onsite load (not including station service)? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Please attach copy of site map for proposed project and any additional information that may be helpful in fulfilling the pre-application request. Site map should include true north, proposed project location including general layout, proposed service point location and major roadways.

| For Office Use Only | |
|--|--|
| Date Received: | Application Fee Received: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Date Completed Pre-Application Report Sent to Applicant: | |

| Point of Interconnection – Additional Information | | |
|--|--|--|
| Is the proposed interconnection to an existing service? (If no, applicant is to skip to the next section.) | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Customer Name: | | Customer Account Number: |
| Existing loads at site (<i>kW AC</i>): | | |
| List future additional loads planned for at site (<i>in kW AC</i>): | | |

| Project Contact Information | | |
|-----------------------------|--------|-----------|
| Full Name: | | |
| Name of Business: | | |
| Street Address: | | |
| City: | State: | Zip Code: |
| Email: | Phone: | |

| Payment and Agreement | |
|--|-------------|
| <p>There is a non-refundable \$300 fee for the construction of a pre-application report. By signing this document, I acknowledge and understand that:</p> <ul style="list-style-type: none"> • Neither review of this application nor construction of any report shall begin until the full amount of the fee has been paid to Mora Municipal Utilities. • The Utility shall provide a report with only the available information on the proposed point of interconnection. • The information provided by the Utility may become outdated and not useful at the time of submission of a complete Interconnection Application. • The confidentiality provision as listed in Section 12.1 of the Overview Process of the Municipal Minnesota Distributed Energy Resource Interconnection Process apply. • Upon receipt of the report no guarantee is made by the Utility that a future Interconnection Application will be approved for this proposed site. | |
| Applicant Signature: _____ | Date: _____ |

*****Please print clearly or type and return completed along with any additional documentation*****

Pre-Application Report

This report summarizes information available to the Utility regarding an interconnection of a distributed energy resource to the Utility's distribution system. The report includes only information that is readily available to the Utility. This report is not a guarantee by the Utility that a future interconnection application will be approved for the proposed site. Information provided in this report is subjected to change as modifications are made to the Utility's distribution system.

| Pre-Application Request | | | | |
|-------------------------|--|-------|-----------|--|
| Pre-Application ID: | | | | |
| Project Address: | | | | |
| DER Size: | | kW AC | DER Type: | |
| Project Contact: | | | | |
| Email: | | | Phone: | |

| Electric Distribution System Information | | | |
|---|--|-------|--------------------|
| | | | Info Not Available |
| Total capacity of the circuit based on normal conditions likely to serve the proposed PCC | | MW AC | |
| Existing aggregate generation capacity interconnected to the circuit likely to serve the proposed PCC | | MW AC | |
| Aggregate queued generation capacity for the circuit likely to serve the proposed PCC | | MW AC | |
| Available capacity of the circuit most likely to serve the proposed PCC | | MW AC | |
| Estimated peak load of relevant line sections | | kW AC | |
| Estimated minimum load of relevant line sections (daytime minimum load to be specified for solar DER if available.) | | kW AC | |
| Substation Voltage (Nominal Distribution) | | kV | |
| Substation Voltage (Nominal Transmission) | | kV | |
| Nominal distribution circuit voltage at proposed PCC | | kV | |

PCC: Point of Common Coupling

| Electric Distribution System Information - Continued | | | |
|---|--|--------|--------------------|
| | | | Info Not Available |
| Approximate circuit distance between the proposed PCC and the substation: | | Miles | |
| Distance to three phase circuit (if not already located on a three-phase circuit): | | Miles | |
| Limiting conductor ratings from the proposed PCC to the substation | | Amps | |
| Number of available phases on the area EPS at the proposed PCC | | Phases | |
| Is the proposed point of common coupling located on a spot network, grid network, or radial supply? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| Is the proposed PCC located behind a line voltage regulator? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| Type of voltage regulating devices between substation and proposed PCC | Device A | | |
| | Device B | | |
| | Device C | | |
| Number and type of protection devices between substation and proposed PCC | Device A | | |
| | Device B | | |
| | Device C | | |
| Any additionally known distribution system constraints? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |

Additional known constraints that could affect installation or operation of the DER or Area EPS at the proposed PPC are attached to this report. Constraints may include, but are not limited to, electrical dependencies at that location, short circuit interrupting capacity issues, power quality or stability issues on the circuit, capacity constraints, or secondary networks.

| Utility Information | | | |
|----------------------|--|--------|--|
| Report Completed By: | | | |
| Company: | | | |
| Project Contact: | | | |
| Email: | | Phone: | |

Simplified Interconnection Application

Persons interested in applying for the interconnection of a distributed energy resource (DER) to the Utility's distribution system through the Simplified Process are to fill out this Simplified Interconnection Application. The Simplified Interconnection Application is to be used for inverter-based DER technologies with the capacity of 20 kW AC or less and is to be filled out completely by the Applicant. The Simplified Application shall be returned to the Utility with the requested material information and a non-refundable \$100 application fee.

Proposed DER interconnections to the Utility's distribution submitted under the Simplified Process may be moved into the Fast Track Process if engineering screens are failed during the Simplified Interconnection Application review. Timeline for review of the Simplified Application is as follows:

- Upon receipt of a Simplified Interconnection Application the Utility has 10 business days to review the application for completeness.
- If the application is deemed incomplete, the Utility shall notify the Applicant of what additional information material is required.
- The Applicant has 5 business days to return the missing information material or their application may lose its queue position and be deemed withdrawn.
- The Utility shall have a total of 20 business days to review the Simplified Interconnection Application, not including time waiting for additional information material to deem the application completed.
- The Utility will notify the Application if the proposed DER system is preliminary approved for interconnection or if the proposed DER system will need to be moved in the Fast Track Process.

Checklist for Submission to Utility

The items below shall be included with submittal of the Simplified Application to the Utility. Failure to include all items will deem the Simplified Application incomplete.

| | Included |
|--|------------------------------|
| \$100 Non-Refundable Simplified Application Fee | <input type="checkbox"/> Yes |
| One-line diagram – Details required on one-line diagram specified at the end of the interconnection application. | <input type="checkbox"/> Yes |
| All Certified Equipment Manufacturer Specification Sheets | <input type="checkbox"/> Yes |
| Site Layout Drawing | <input type="checkbox"/> Yes |
| Copy of Insurance Declaration page or other acceptable proof of insurance | <input type="checkbox"/> Yes |

Possible Additional Documentation

- If an Application Agent is being used for this project, the Site Layout Drawing must be signed by the Interconnection Customer indicating Site Control of the DER interconnection location.
- If the DER export capacity is limited, include information material explaining the limiting capabilities.
- If Energy Storage is included with the proposed DER system include the Energy Storage Application.

Simplified Interconnection Application

| Interconnection Customer | | |
|--|---------------|-----------|
| Full Name (must match the name of the existing service account): | | |
| Account Number: | Meter Number: | |
| Mailing Address: | | |
| City: | State: | Zip Code: |
| Email: | Phone: | |

| Application Agent | |
|--|--|
| Is the Customer using an Application Agent for this application? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <i>If Interconnection Customer is not using an Application Agent, please skip to the next section.</i> | |
| Application Agent: | |
| Company Name: | |
| Email: | Phone: |

| For Office Use Only | |
|--|--|
| Application ID: | Queue Number: |
| Date Received: | Application Fee Received: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Date Preliminary Approval Provided to Applicant: | |

Distributed Energy Resource Information

Location (if different from mailing address of Interconnection Customer):

Will the Proposed DER system be interconnected to an existing electric service?

☐ Yes

☐ No

Is the Distributed Energy Resource a single generating unit or multiple?

☐ Single

☐ Multiple

DER Type (*Check all that apply*):

☐ Solar Photovoltaic

☐ Wind

☐ Energy Storage

☐ Combined Heat and Power

☐ Solar Thermal

☐ Other (please specify)

DER systems with Energy Storage must also submit the Energy Storage Application to the Utility.

Inverter Manufacturer:

Model:

Phase Configuration of Proposed DER System:

☐ Single

☐ Three

Aggregate Inverter(s) Nameplate Rating:

kW_{ac}

kVA_{ac}

Is the export capability of the DER limited?

☐ Yes

☐ No

If the DER export capacity is limited, include information material explaining the limiting capabilities.

Aggregate DER Capacity (the sum of nameplate capacity of all generation and storage devices at the PCC):

kW_{ac}

Installed DER System Cost (before incentives):

\$

Estimated Installation Date:

Equipment Certification

Is the DER equipment certified¹?

☐ Yes

☐ No

Please list all certified IEEE 1547 equipment below. Include all certified equipment manufacturer specification sheets with the Simplified Application submission.

Equipment Type

Certifying Entity

1

2

3

¹ Information regarding certified equipment can be found in Section 14 and Section 15 of the Overview Process document.

Interconnection Agreement

Proposed DER interconnections that are also deemed Qualifying Facilities under Minnesota Statutes §216B.164 are eligible to sign the Utility's Uniform Contract for Cogeneration and Small Power Production Facilities. Included in this agreement are payment terms for excess power generated by the proposed DER system the Utility may purchase. In lieu of the Utility's Uniform Contract for Cogeneration and Small Power Production Facilities, the Interconnection Customer may choose to instead sign the Municipal Minnesota Interconnection Agreement (MMIA).

The Interconnection Customer requests an MMIA to be executed in lieu of the Utility's Uniform Contract for Cogeneration and Small Power Production Facilities.

☐ Yes ☐ No

Disclaimers – Must be completed by Interconnection Customer

Initials

The Interconnection Customer has opportunities to request a timeline extension during the interconnection process. Failure by the Interconnection Customer to meet or request an extension for a timeline outlined in the Interconnection Process could result in a withdrawn queue position and the need to re-apply.

Propose DER interconnection to the Utility's distribution submitted under the Simplified Process may be moved into the Fast Track Process if engineering screens are failed during the Simplified Application review.

Application Signature – Must be completed by Interconnection Customer

I designate the individual or company listed as my Application Agent to serve as my agent for the purpose of coordinating with the Area EPS Operators on my behalf throughout the interconnection process.

Initials

I hereby certify that, to the best of my knowledge, the information provided in this Application is true, and that I have appropriate Site Control in conformance with the Interconnection Process. I agree to abide by the Municipal Minnesota Distributed Energy Resource Interconnection Process (M-MIP) and return the Certificate of Completion when the DER has been installed.

Applicant Signature:

Date:

*****Please print clearly or type and return completed along with any additional documentation*****

Information Required on One-Line Diagram

An Interconnection Application must include a site electrical one-line diagram showing the configuration of all Distributed Energy Resource equipment, current and potential circuits, and protection and control schemes. The one-line diagram shall include:

- Applicant name.
- Application ID.
- Installer name and contact information.
- Address where DER system will be installed - must match application address.
 - Be sure to list the address for the protective interface equipment if the protective interface equipment is located at a different address than the DER system.
- Correct positions of all equipment, including but not limited to panels, inverter, and DC/AC disconnect. Include distances between equipment, and any labeling found on equipment.

Interconnection Application

Persons interested in applying for the interconnection of a distributed energy resource to the Utility's distribution system through the Fast Track or Study Processes are to fill out this Interconnection Application. The Interconnection Application is to be filled out completely by the applicant or as noted in each section of the application. The Utility will contact the applicant within 10 business days once the Interconnection Application and the corresponding processing fee is submitted to the Utility. The Utility will then notify the applicant of the completeness of their application. If the application is deemed incomplete by the Utility, the Utility will provide the applicant with a list of missing material. The applicant will then have 10 business days to provide the Utility with this information or request an extension, otherwise the application will be deemed incomplete and the applicant will lose their place in the queue. Section that are noted with * are required to be filled out.

| Checklist for Submission to Utility | |
|--|------------------------------|
| <i>The items below shall be included with submittal of the Interconnection Application to the Utility. Failure to include all items will deem the Interconnection Application incomplete.</i> | |
| | Included |
| Non-Refundable Processing Fee Fast Track <ul style="list-style-type: none"> • \$100 + \$1/kW for Certified Systems • \$100 + \$2/kW for Non-Certified Systems Study Process <ul style="list-style-type: none"> • \$1,000 + \$2/kW down payment. Additional study fees may apply. | <input type="checkbox"/> Yes |
| One-line diagram <ul style="list-style-type: none"> • This one-line diagram must be signed and stamped by a Professional Engineer licensed in Minnesota if the DER is uncertified greater than 20 kW AC or if certified system is over 250 kW. • Details required on one-line diagram specified at the end of the interconnection application. | <input type="checkbox"/> Yes |
| Schematic drawings for all protection and control circuits, relay current circuits, relay potential circuits, and alarm/monitoring circuits | <input type="checkbox"/> Yes |
| Inverter Specification Sheet(s) (if applicable) | <input type="checkbox"/> Yes |
| Documentation that describes and details the operation of protection and control schemes | <input type="checkbox"/> Yes |
| Documentation showing site control | <input type="checkbox"/> Yes |
| Aerial map showing DER system layout including major roadways and true north | <input type="checkbox"/> Yes |
| <u>Possible Additional Documentation</u> <ul style="list-style-type: none"> • If the DER export capacity is limited, include information material explaining the limiting capabilities. • If Energy Storage is included with the proposed DER system include the Energy Storage Application. | |

| | | |
|--|---|---|
| General * | | |
| Select Review Process: <input type="checkbox"/> Fast Track Process <input type="checkbox"/> Study Process | | |
| Application is for: | <input type="checkbox"/> New Distribution Energy Resource | <input type="checkbox"/> Capacity Addition or Material Modification to Existing Distributed Energy Resource |
| If Capacity Addition or Material Modification to existing facility, please describe: | | |
| Distributed Energy Resource will be used for what reason? (Check all that apply): | | |
| <input type="checkbox"/> Net Metering <input type="checkbox"/> Supply Power to Interconnection Customer <input type="checkbox"/> Supply Power to Area EPS | | |
| Installed DER System Cost (before incentives): | \$ | |

| | | |
|--|---------------|-----------|
| Interconnection Customer * | | |
| Full Name (must match the name of the existing service account): | | |
| Account Number: | Meter Number: | |
| Mailing Address: | | |
| City: | State: | Zip Code: |
| Email: | Phone: | |

** Indicates section must be completed.*

| Application Agent * | |
|--|--|
| Is the Customer using an Application Agent for this application? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <i>If Interconnection Customer is not using an Application Agent, please skip to the next section.</i> | |
| Application Agent: | |
| Company Name: | |
| Email: | Phone: |

| Distributed Energy Resource Information * | |
|---|---|
| Estimated Installation Date: | |
| Location (if different from mailing address of Interconnection Customer): | |
| Will the Proposed DER system be interconnected to an existing electric service? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Is the Distributed Energy Resource a single generating unit or multiple? | <input type="checkbox"/> Single <input type="checkbox"/> Multiple |
| DER Type (<i>Check all that apply</i>): | |
| <input type="checkbox"/> Solar Photovoltaic | <input type="checkbox"/> Wind |
| <input type="checkbox"/> Combined Heat and Power | <input type="checkbox"/> Solar Thermal |
| | <input type="checkbox"/> Energy Storage |
| | <input type="checkbox"/> Other (please specify) |
| <i>DER systems with Energy Storage must also submit the Energy Storage Application to the Utility.</i> | |
| Total Number of Distributed Energy Resources to be interconnected pursuant to this Interconnection Application: | |
| Phase configuration of Distributed Energy Resource(s): | <input type="checkbox"/> Single Phase <input type="checkbox"/> Three Phase |
| Type of Generator: | <input type="checkbox"/> Inverter <input type="checkbox"/> Synchronous <input type="checkbox"/> Induction |
| Aggregate DER Capacity (the sum of nameplate capacity of all generation and storage devices at the PCC): | |
| kW_{ac} | kVA_{ac} |

* Indicates section must be completed.

| Export Capacity Limitation * | |
|--|--|
| Is the export capability of the DER limited? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <i>If the DER export capacity is limited, complete the following sections and include information material explaining the limiting capabilities.</i> | |
| Maximum Physical Export Capacity Requested: | kW_{ac} |
| If Yes, please provide additional details describing method of export limitation: | |
| | |

| Load Information * | |
|--|-----------|
| Interconnection Customer's or Customer-sited Load: | kW_{ac} |
| Typical Reactive Load (if known): | |
| | |

| Equipment Certification * | | |
|--|----------------|--|
| Is the DER equipment certified? | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <i>Please list all IEEE 1547 certified equipment below. Include all certified equipment manufacturer specification sheets with the Interconnection Application submission.</i> | | |
| | Equipment Type | Certifying Entity |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |

** Indicates section must be completed.*

Prime Mover *

Please indicate the prime mover:

- | | | |
|---|---------------------------------------|---|
| <input type="checkbox"/> Solar Photovoltaic | <input type="checkbox"/> Microturbine | <input type="checkbox"/> Fuel Cell |
| <input type="checkbox"/> Reciprocating Engine | <input type="checkbox"/> Gas Turbine | <input type="checkbox"/> Other (please specify) |

Is the prime mover compatible with certified protection equipment package?

☐ Yes☐ No

DER Manufacturer:

Model Name & Number:

Version:

List of Adjustable Set Points for Protection Equipment or Software:

Summer Name Plate Rating: kW_{ac} Summer Name Plate Rating: kW_{ac} Winter Name Plate Rating: kVA_{ac} Winter Name Plate Rating: kVA_{ac}

Rated Power Factor:

Leading:

Lagging:

A completed Power System Load Flow data sheet must be supplied with the Interconnection Application.

Only appropriate sections beyond this point until the signature page are to be completed.

Distributed Energy Resource Characteristic Data (for Inverter-based machines)

Max design fault contribution current:

Is your response to the previous field an Instantaneous or RMS measurement?

☐ Instantaneous ☐ RMS

Harmonic Characteristics:

Start-up Requirements:

** Indicates section must be completed.*

| Distributed Energy Resource Characteristic Data (for Synchronous machines) | |
|---|----------------------------------|
| RPM Frequency: | Neutral Grounding Resistor: |
| Direct Axis Synchronous Reactance, X_d : | Zero Sequence Reactance, X_0 : |
| Direct Axis Transient Reactance, X'_d : | KVA Base: |
| Direct Axis Subtransient Reactance, X''_d : | Field Volts: |
| Negative Sequence Reactance, X_2 : | Field Amperes: |
| Please provide the appropriate IEEE model block diagram of excitation system, governing system and power system stabilizer (PSS) in accordance with the regional reliability council criteria. A PSS may be determined to be required by applicable studies. A copy of the manufacturer's block diagram may not be submitted. | |

| Distributed Energy Resource Characteristic Data (for Induction machines) | |
|--|--|
| RPM Frequency: | Neutral Grounding Resistor: |
| Motoring Power (kW): | Exciting Current: |
| Heating Time Constant: | Temperature Rise: |
| Rotor Resistance, R_r : | Frame Size: |
| Stator Resistance, R_s : | Design Letter: |
| Stator Reactance, X_s : | Reactive Power Required In Vars (No Load): |
| Rotor Reactance, X_r : | Reactive Power Required In Vars (Full Load): |
| Magnetizing Reactance, X_m : | Total Rotating Inertia, H: |
| Short Circuit Reactance, X''_d : | |

| Interconnection Facilities Information | | | |
|---|--------------------------------|--|---------------|
| Will a transformer be used between the DER and the Point of Common Coupling? | | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Will the transformer be provided by the Interconnection Customer? If yes, please fill in the fields below. | | <input type="checkbox"/> Yes <input type="checkbox"/> No | |
| Proposed location of protective interface equipment on property: | | | |
| Transformer Data (For Interconnection Customer-Owned Transformer) | | | |
| What is the phase configuration of the transformer? | | <input type="checkbox"/> Single Phase <input type="checkbox"/> Three Phase | |
| Size (kVA): | Transformer Impedance (%): | On kVA Base: | |
| Transformer Volts: (Primary) | Delta: | Wye: | Wye Grounded: |
| Transformer Volts: (Secondary) | Delta: | Wye: | Wye Grounded: |
| Transformer Volts: (Tertiary) | Delta: | Wye: | Wye Grounded: |
| Transformer Fuse Data (For Interconnection Customer-Owned Fuse) | | | |
| Manufacturer: | Type: | Size: | Speed: |
| Interconnecting Circuit Breaker (For Interconnection Customer-Owned Circuit Breaker) | | | |
| Manufacturer: | | Type: | |
| Load Rating (in Amps): | Interrupting Rating (In Amps): | Trip Speed (Cycles): | |
| Interconnection Protective Relays (For Microprocessor Controlled Relays) | | | |
| Setpoint Function | Minimum | Maximum | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|---|-------|--------------------|----------------------------|
| Interconnection Protective Relays (For Relays with Discrete Components) | | | |
| Manufacturer: | Type: | Style/Catalog No.: | Proposed Setting: |
| Manufacturer: | Type: | Style/Catalog No.: | Proposed Setting: |
| Manufacturer: | Type: | Style/Catalog No.: | Proposed Setting: |
| Manufacturer: | Type: | Style/Catalog No.: | Proposed Setting: |
| Manufacturer: | Type: | Style/Catalog No.: | Proposed Setting: |
| Current Transformer Data: | | | |
| Manufacturer: | Type: | Accuracy Class: | Proposed Ratio Connection: |
| Manufacturer: | Type: | Accuracy Class: | Proposed Ratio Connection: |
| Potential Transformer Data: | | | |
| Manufacturer: | Type: | Accuracy Class: | Proposed Ratio Connection: |
| Manufacturer: | Type: | Accuracy Class: | Proposed Ratio Connection: |

| | |
|----------------------------|--|
| For Office Use Only | |
| Application ID: | |
| Date Received: | Application Fee Received: <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Date Completed: | |

Interconnection Agreement *

Proposed DER interconnections that are also deemed Qualifying Facilities less than 40 kW AC under Minnesota Statutes §216B.164 are eligible to sign the Utility's Uniform Contract for Cogeneration and Small Power Production Facilities. Included in this agreement are payment terms for excess power generated by the proposed DER system the Utility may purchase. In lieu of the Utility's Uniform Contract for Cogeneration and Small Power Production Facilities, the Interconnection Customer may choose to instead sign the Municipal Minnesota Interconnection Agreement (MMIA).

The Interconnection Customer requests an MMIA to be executed in lieu of the Utility's Uniform Contract for Cogeneration and Small Power Production Facilities.

☐ Yes ☐ No

Disclaimers – Must be completed by Interconnection Customer *

Initials

The Interconnection Customer has opportunities to request a timeline extension during the interconnection process. Failure by the Interconnection Customer to meet or request an extension for a timeline outlined in the Interconnection Process could result in a withdrawn queue position and the need to re-apply.

Propose DER interconnection to the Utility's distribution submitted under the Fast Track Process may be moved into the Study Process if engineering screens are failed during the Interconnection Application review.

Application Signature – Must be completed by Interconnection Customer *

I designate the individual or company listed as my Application Agent to serve as my agent for the purpose of coordinating with the Area EPS Operators on my behalf throughout the interconnection process.

Initials

I hereby certify that, to the best of my knowledge, the information provided in this Application is true, and that I have appropriate Site Control in conformance with the Interconnection Process. I agree to abide by the Municipal Minnesota Distributed Energy Resource Interconnection Process (M-MIP) and will inform the Utility if the proposed DER system changes from the details listed in this Interconnection Application.

Applicant Signature:

Date:

*****Please print clearly or type and return completed along with any additional documentation*****

Information Required on One-Line Diagram

An Interconnection Application must include a site electrical one-line diagram showing the configuration of all Distributed Energy Resource equipment, current and potential circuits, and protection and control schemes. The one-line diagram shall include:

- Applicant name.
- Application ID.
- Installer name and contact information.
- Address where DER system will be installed - must match application address.
 - Be sure to list the address for the protective interface equipment if the protective interface equipment is located at a different address than the DER system.
- Correct positions of all equipment, including but not limited to panels, inverter, and DC/AC disconnect. Include distances between equipment, and any labeling found on equipment.

This one-line diagram must be signed and stamped by a Minnesota licensed Professional Engineer if the Distributed Energy Resource is larger than 20 kW (if uncertified) and 250 kW (if certified.)

Storage Application

This form is required in addition to a completed Interconnection Application form for any DER with an energy storage component. An application to interconnect energy storage is only required for storage designed to operate in parallel with the distribution system. Electric vehicles and backup generators do not need to apply.

| Energy Storage | | |
|--|--|--|
| Application for: | <input type="checkbox"/> Stand-alone storage as DER <input type="checkbox"/> Storage as component of DER | |
| Customer Account Number: | | |
| Address of Generating Facility: | | |
| City: | State: | Zip Code: |
| Equipment Manufacturer: | | Equipment Model: |
| Max Continuous Real Power (In kW): | | Max Continuous Apparent Power (In kVA): |
| Power Factor range of adjustability: | | Peak AC Energy (In kWh): |
| Is the equipment UL 1741 listed? <i>Manufacturer specification sheet(s) are required to be attached to this application.</i> | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Is the storage 100% charged by a net energy metering eligible energy source? | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Source charging the storage (<i>Check all that apply</i>): | | |
| <input type="checkbox"/> Utility <input type="checkbox"/> Wind <input type="checkbox"/> Solar | | |
| <input type="checkbox"/> Diesel <input type="checkbox"/> Other (please specify) | | |
| Is the storage configured to export energy to the Area EPS? | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the settings accessible to the end user? | | <input type="checkbox"/> Yes <input type="checkbox"/> No |

For Office Use Only

| | |
|-----------------|---------------|
| Application ID: | Queue Number: |
| Date Received: | |

Energy Storage

Available control operating modes:

Control modes being enabled for interconnection:

For non-export, how does the system determine the magnitude of customer load?

What is the process for changing operational modes of the energy storage?

Please attach any additional materials.