

Exhibit B:
Expedited/Standard Process Interconnection Application and Service Agreement
Greater than 10 kW, inverter-based, UL1741-listed

Instructions:

- Complete ALL fields of the Expedited/Standard Process Interconnection Application and Service Agreement (Application hereafter) for Customer-Generator Facility (CGF).
- Include technical specifications for the inverter unit.
- Include technical specifications for renewable generation unit (solar panels, wind generator, etc.).
- Include a site diagram of the premises that includes the location of Company's meter, the disconnect switch, and the renewable generation unit(s).
- A nonrefundable application fee is required. The fee is \$3.00 per kW based on the Nameplate Rating (\$300 minimum and \$2,500 maximum). Make checks payable to Midwest Energy, Inc.
- Send completed Application, application fee, and documents via mail or email to:

Midwest Energy, Inc.
c/o Customer Service – Renewable Interconnection
1330 Canterbury Dr.
Hays, KS 67601
email: interconnection-app@mwenergy.com

Interconnection Process:

1. Interconnecting Customer submits a completed Application.
2. Company acknowledges to the Interconnecting Customer receipt of the Application within three (3) business days of receipt.
3. Company evaluates the Application for completeness and notifies the Interconnecting Customer within ten (10) days of receipt that the Application is or is not complete and, if not, advises what is missing.
4. Company verifies CGF can be interconnected safely and reliably. Company signs Application approval line and sends to Customer. In certain rare circumstances the Company may require the Interconnecting Customer to pay for minor system modifications. If so, an estimate will be sent back with the approved Application requiring the Interconnecting Customer's consent to pay for the modifications.
5. After installation, Customer returns Certificate of Completion. Prior to parallel operation Company may inspect CGF for compliance with standards, which may include a witness

test. Company will then schedule appropriate metering replacement, if necessary. The Interconnecting Customer has no right to operate in parallel until a witness test has been performed or previously waived on the application form. The Company is obligated to complete this witness test within ten (10) days of the receipt of the Certificate of Completion. If the Company does not inspect the CGF in ten (10) days or by mutual agreement of the Parties, the witness test is deemed waived.

6. Company notifies Interconnecting Customer in writing that interconnection of the CGF is authorized.

Impact Study:

In the event that Company deems it necessary to conduct an Impact Study on the project, the interconnecting customer will be responsible for up to ten (10) hours of engineering time for the Expedited process and all costs of the study for the Standard process.

Contact and Facility Information:

Contact Information: You must provide as a minimum the contact information of the legal applicant. If another party is responsible for interfacing with the Company, you may optionally provide their contact information as well.

Ownership Information: Please enter the legal names of the owner or owners of the generating facility. Include the percentage ownership, if any, by any utility, utility affiliate, or public utility holding company.

Prime Mover: Indicate which type of device will be powering the generator from this list: reciprocating engine, microturbine, gas turbine, steam turbine, fuel cell, wind turbine, photovoltaic panel, or other (please specify).

Energy Source: Indicate the energy source to be used by the prime mover from this list: solar, wind, diesel, biodiesel, natural gas, landfill gas, biogas, propane, or other (please specify).

UL1741 Listing: This standard ("Inverters, Converters, and Controllers for Use in Independent Power Systems") addresses the electrical interconnection design of various forms of generating equipment. Many manufacturers choose to submit their equipment to a Nationally Recognized Testing Laboratory (NRTL) that verifies compliance with UL1741. This "listing" is then marked on the equipment and supporting documentation.



Expedited/Standard Process Interconnection Application

Contact Information

Legal name and address of Interconnecting Customer (Applicant)

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Fax Number: _____ Email Address: _____

Alternative Contact Information (if different from Applicant)

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Fax Number: _____ Email Address: _____

Generator Facility Information

Street Address or Physical Location: _____

City: _____ State: _____ Zip Code: _____

Midwest Energy Account Number: _____

Type of Generating Unit (Circle One): Synchronous Induction Inverter

Manufacturer: _____ Model: _____

Nameplate Rating: _____ (kW) _____ (kVAR) _____ (Volts)

_____ Single or _____ Three Phase

Prime Mover (Pick one from list on instruction sheet.) _____

Energy Source (Pick one from list on instruction sheet.) _____

UL1741 Listed? Yes _____ No _____

Certified in California or New York? Yes _____ No _____ (Attach documentation.)

Estimated Installation Date: _____ Estimated In-Service Date: _____

Agreement Desired By: _____

Generating Facility Technical Detail

List components of the facility that are currently certified and/or listed to national standards.

Equipment Type	Manufacturer	Model	Standard
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____

Total Number of Generating Units in Facility _____

Generator Unit Power Factor Rating: _____

Max Adjustable Leading Power Factor _____ Max Adjustable Lagging Power Factor _____

Generator Characteristic Data (for all inverter-based machines)

Max Design Fault Contribution Current _____ Instantaneous _____ or RMS _____?

Harmonics Characteristics: _____

Start-up power requirements: _____

Generator Characteristic Data (for all rotating machines)

Rotating Frequency: _____ (rpm) Neutral Grounding Resistor (If Applicable): _____

Additional Information for Synchronous Generating Units

Synchronous Reactance, X_d : (PU) _____ Transient Reactance, X'_d : _____ (PU)

Subtransient Reactance, X''_d : (PU) _____ Neg Sequence Reactance, X_2 : _____ (PU)

Zero Sequence Reactance, X_0 : _____ (PU) KVA Base: _____

Field Voltage: _____ (Volts) Field Current: _____ (Amps)

Additional Information for Induction Generating Units

Rotor Resistance, R_r : _____ Stator Resistance, R_s : _____

Rotor Reactance, X_r : _____ Stator Reactance, X_s : _____

Magnetizing Reactance, X_m : _____ Short Circuit Reactance, X_d'' : _____

Exciting Current: _____ Temperature Rise: _____

Frame Size: _____

Total Rotating Inertia, H : _____ Per Unit on KVA Base: _____

Reactive Power Required in Vars (No Load): _____

Reactive Power Required in Vars (Full Load): _____

Reactive Compensation Installed (Vars): _____

Compensation Switched? _____ Yes _____ No Automatically Switched? _____ Yes _____ No

Output Level	Compensation (kVARS)	Power Factor @ PCC
0% Output		
25% Output		
50% Output		
100% Output		
Full Output		

Additional information for Induction Generating Units that are started by motoring

Motoring Power: _____ (KW) Design Letter: _____

Interconnection Equipment Technical Detail

Will a transformer be used between the generator and the point of interconnection?

Yes _____ No _____

Will the transformer be provided by Interconnecting Customer? Yes _____ No _____

Transformer Data (if applicable, for Interconnecting Customer-Owned Transformer):

Nameplate Rating: _____ (kVA) Single _____ or Three _____ Phase

Transformer Impedance: _____ (%) on a _____ KVA Base

If Three Phase:

Transformer Primary: _____ (Volts) _____ Delta _____ Wye _____ Wye Grounded _____ Other

Transformer Secondary: _____ (Volts) _____ Delta _____ Wye _____ Wye Grounded _____
Other

Transformer Fuse Data (if applicable, for Interconnecting Customer-Owned Fuse):

(Attach copy of fuse manufacturer's Minimum Melt & Total Clearing Time-Current Curves)

Manufacturer: _____ Type: _____ Size: _____

Speed: _____

Interconnecting Circuit Breaker (if applicable):

Manufacturer: _____ Type: _____ Load Rating: _____ Interrupting Rating: _____
(Amps) (Amps)

Trip Speed: _____
(Cycles)

Interconnection Protective Relays (if applicable):

(If microprocessor-controlled)

List of Functions and Adjustable Set points for the protective equipment or software:

	Set Point Function	Minimum	Maximum
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____
6.	_____	_____	_____

(If discrete components)

(Enclose copy of any proposed Time-Overcurrent Coordination Curves)

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:_____
 Manufacturer:_____Type:_____ Style/Catalog No.:_____ Proposed Setting:_____
 Manufacturer:_____Type:_____ Style/Catalog No.:_____ Proposed Setting:_____

Current Transformer Data (if applicable):

(Enclose copy of Manufacturer's Excitation & Ratio Correction Curves)

Manufacturer:_____Type:_____ Style/Catalog No.:_____ Proposed Setting:_____
 Manufacturer:_____Type:_____ Style/Catalog No.:_____ Proposed Setting:_____

Potential Transformer Data (if applicable):

Manufacturer:_____Type:_____ Style/Catalog No.:_____ Proposed Setting:_____
 Manufacturer:_____Type:_____ Style/Catalog No.:_____ Proposed Setting:_____



General Technical Detail

Enclose three copies of site electrical One-Line Diagram showing the configuration of all generating facility equipment, current and potential circuits, and protection and control schemes with a registered professional engineer (PE) stamp.

Enclose three copies of any applicable site documentation that indicates the precise physical location of the proposed generating facility (e.g., USGS topographic map or other diagram or documentation).

Proposed Location of Protective Interface Equipment on Property:
(Include Address if Different from Application Address)

Enclose copy of any applicable site documentation that describes and details the operation of the protection and control schemes.

Enclose copies of applicable schematic drawings for all protection and control circuits, relay current circuits, relay potential circuits, and alarm/monitoring circuits (if applicable).

Please enclose application fee (\$3/kW, with a \$300 minimum and \$2,500 maximum) and any other information pertinent to this installation.

I hereby certify that, to the best of my knowledge, all information provided in this application, including attached technical detail, is true, and I agree to the terms of the Distributed Resource Interconnection Tariff (DRIT).

_____	_____	_____
Interconnecting Customer Signature	Title	Date

For Midwest Energy's Use Only

Company Signature: _____ Date: _____



**Expedited/Standard Interconnection Application and Service Agreement
Certificate of Completion**

Installation Information ☐ Check if owner-installed

Interconnecting Customer: _____

Contact Person: _____

Mailing Address: _____

Location of Facility (if different from above): _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Fax Number: _____ Email Address: _____

Electrician:

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Fax Number: _____ Email Address: _____

License number (Required): _____

Inspection: The system has been installed and inspected in compliance with the
local Building/Electrical Code of _____

(City and/or County)

Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection form):

Inspector's Name (printed): _____ Date: _____

Inspection Exempt: (Customer must sign below if facility is not subject to local
Building/Electrical Code jurisdiction.)

I certify this facility is exempt from local code requirements and is ready to be
energized.

Date: _____

Customer Signature

As a condition of interconnection, you are required to send a copy of this form,
along with a copy of the signed electrical permit, if any, to:

Midwest Energy, Inc.
c/o Customer Service – Renewable Interconnection
1330 Canterbury Dr.
Hays, KS 67601

email: interconnection-app@mwenergy.com