

WESTERN ILLINOIS ELECTRICAL COOP

POLICY NUMBER 526

SUBJECT: Interconnection and Parallel Operation of Distributed Generation

OBJECTIVE:

To establish safety, reliability and economic standards for interconnection and parallel operation of distributed generation that encourage the development of Member/Owner-owned on-site electric generation facilities using renewable energy sources designed primarily to offset the Member/Owner's electrical requirements while honoring the Cooperative's obligation to provide electricity to all Member/Owner's on a cooperative basis.

DEFINITIONS:

"Cooperative" means Western Illinois Electrical Coop. (Cooperative) owning and operating the power lines delivering electrical power and energy to the premises of its member/owners within its geographic service territory.

Member/Owner means a Member of the Cooperative that chooses to own, interconnect, and operate a Distributed Generation (DG) facility in the Cooperative's service territory.

"Requestor" means the Member/Owner making an Interconnection Request.

Distributed Generation (DG): Any generation built within close proximity to the generating Member/Owner's load regardless of generation capacity or energy source of such generation and includes, but is not limited to, the following:

- A. Small-scale environmentally friendly generators such as photovoltaic (PV), fuel cells, small wind turbines.
- B. Micro-turbines or reciprocating engines fueled by renewable fuels such as landfill gas or methane gas from digesters.
- C. Any Qualifying Facility (QF) under the Public Utility Regulatory Policies Act of 1978 (PURPA).
- D. Any on-site generation with less than 10 MW of capacity interconnected with distribution facilities.

Qualifying Facility (QF) means a cogeneration facility or a small power production facility that meets all the requirements for qualification set forth in PURPA and that has not had its qualifying status revoked by FERC. For the purpose of this policy, a QF is governed by the Prairie Power, Inc. Policy 509, consistent with the Waiver approved by the Federal Energy Regulatory Commission (FERC) and PURPA.

Eligible Renewable Electrical Generating Facility (EREGF) means a generator powered by solar electric energy, wind, anaerobic digestion of livestock or food processing waste, fuel cells or micro turbines powered by renewable fuels, or hydroelectric energy.

“Small Distributed Generation Facilities” or “Small DG” means one or more electricity production resources owned by an Eligible Cooperative Member/Owner which meets all of the following criteria: (1) connected to and operating on the Member/Owner’s low-voltage electric premises wiring associated with a single, specific service metering point, (2) the total combined Nameplate Rating for such resources at the single, specified service metering point is less than or equal to 100 kilowatts (“AC”) and sized to offset no more than 110% of the Member/Owner’s load over the previous 12 months (if 12 months of data is not available, the average amount of energy may be reasonably estimated by the Cooperative), (3) such resources produce electric energy using biomass, waste, and renewable resources including wind, solar and water.

Nameplate capacity: means the maximum electric energy production capability of a generator, specified in kilowatts, as stated on the generator device placard(s), nameplate(s), or in the manufacturer’s specifications.

ANSI Standard C84.1: American National Standards Institute (ANSI) Standard C84.1 (2011) for “Electric Power Systems and Equipment-Voltage Ratings (60Hz)”, as amended and supplemented, at the time the interconnection request is submitted.

IEEE STANDARD 1547_– The Institute of Electrical and Electronic Engineers, Inc. (IEEE) Standard 1547 (2003) “Standard for Interconnecting Distributed Resources with Electric Power Systems”, as amended and supplemented, at the time the interconnection request is submitted.

IEEE STANDARD 1547.1 – The IEEE Standard 1547.1 (2005) “Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems”, as amended and supplemented, at the time the interconnection request is submitted.

UL STANDARD 1741 – Underwriters Laboratories’ standard titled “Inverters Converters, and Controllers for Use in Independent Power Systems,” November 7, 2005, edition, as amended and supplemented.

Witness Test: For lab certified or field approved equipment, verification (either by an onsite observation or review of documents) by the Cooperative that the interconnection installation evaluation required by IEEE Standard 1547 Section 5.4 and the commissioning test required by IEEE Standard 1547 Section 5.4 have been performed. For interconnection equipment that has not been lab certified or field approved, the witness test shall also include the verification by the Cooperative of the on-site design tests as required by IEEE Standard 1547 Section 5.1 and verification by the Cooperative of production tests required by IEEE Standard 1547 Section 5.2. All tests verified by the Cooperative are to be performed in accordance with the test procedures specified by IEEE Standard 1547.1.

Queue Date: the date and time corresponding to when the Cooperative deems an Interconnection Request complete and subsequently enters the queue for analysis.

I. Applicability

This interconnection regulation applies to Cooperative member/owners proposing to install and interconnect a DG system subject to the provisions of either Policy 527NM (Net Metering and Cooperative Credit for Excess Member-Generated Electric Energy) or 527QF (Interconnection of and Service to Qualifying Facilities Under Public Utility Regulatory Policies Act) or 527NB (Net Billing and Cooperative Purchase of Excess Member Owned Generation Capacity) that:

- A. Are not subject to the interconnection requirements of Midwest Independent System Operator (MISO).
- B. Are designed to operate in parallel with the electric distribution system.
- C. Meet all applicable electrical codes and standards.

II. Processing Interconnection Requests

- A. Member/Owners seeking to Interconnect Distributed Generation shall submit to the Cooperative an Interconnection Request. The Interconnection Request shall consist of an Interconnection Application Agreement (**Attachment A**), Interconnection Construction Agreement (**Attachment B**), Interconnection Application Fees Agreement (**Attachment C**), Interconnection and Parallel Operation of Distributed Generation Agreement (**Attachment D**), Authorized to Energize Agreement (**Attachment E**) a one-line diagram of the proposed system, a site plan for the proposed system, specification sheets for solar panels, specification sheets for inverters, verification that the member has an active insurance policy of at least \$1,000,000, and for any systems classified as a Qualifying Facility, FERC Form 556.
- B. The Cooperative shall review the Interconnection Request for completeness. After the Cooperative confirms that it is complete, the Interconnection Request shall be evaluated for accuracy.
- C. The Cooperative shall analyze whether the Interconnection Request meets all applicable Cooperative regulations, bylaw provisions, and specifications, as well as all applicable electric code regulations. If there are any inaccuracies in the Interconnection Request, the Cooperative shall inform the Requestor. Once the inaccuracies are corrected and resubmitted to the Cooperative. The Cooperative will review and once the Interconnection Request is approved for accuracy, the Interconnection Request shall be date and time stamped by the Cooperative to indicate placement into the queue.
- D. Interconnection Requests shall be evaluated for their impact on the electrical system of the Cooperative in the order of the Queue Date. No installation shall be permitted that reduces reliability to other Member/Owners or causes voltage conditions on the system to be

outside of the limits of ANSI C84.1 Range A. No installation shall be permitted that is expected to produce objectionable harmonics on the system. Any mitigation required to resolve harmonic, reliability, or voltage problems created by a Member/Owner-owned generator that is under Policy 527NM or Policy 527QF or Policy 527NB shall be completed and paid for by the Member/Owner.

- E. The Cooperative shall perform the basic design evaluation of the Interconnection of the Distributed Generation regarding interaction with and effect upon the electrical system of the Cooperative. If, during the basic design evaluation, the Cooperative determines that a detailed design evaluation is needed, then the Cooperative shall initiate a Detailed Engineering Study Agreement with the Requestor. The Cooperative shall determine and specify any enhancements to the electric system of the Cooperative necessary to accommodate the Interconnection.
- F. During the design evaluation phase, the Cooperative in its sole judgment, shall determine if there is a reasonable likelihood of material electrical impact to third party utility electrical systems. If such an impact is determined to be likely, the Cooperative shall notify the Requestor of the Cooperative's obligation to inform the third-party utility, and the right of the third-party utility to require its own analysis of impacts. The Cooperative shall arrange for discussions with the third party utility as required. The Requestor shall be responsible for all costs related to the third-party utility analysis and shall be required to arrange for any applicable payments to the third-party utility. In the event a third-party utility analysis is necessary, the subsequent schedule as described in this Section IV, "F." through "T.," shall be adjusted day-for-day as it corresponds to the completion of the third- party utility analysis.
- G. After completion of the design evaluation phase, the Cooperative shall inform the Requestor of any added electrical elements, improvements, enhancements, systems, or other consequential additions, changes, or operational restrictions to the Cooperative electrical system necessary to accommodate the Interconnection. A commensurate budgetary estimate shall be concurrently prepared by the Cooperative. The Cooperative shall inform the Requestor of such budgetary estimate and clearly state the Cooperative plans no further action at that time pending the execution of an Interconnection Construction Agreement.
- H. After completion of the design evaluation phase, provided the Cooperative shall incur no costs associated with the Interconnection, the Requestor shall be notified whether the Interconnection Request has been approved by the Cooperative.
- I. After completion of the design evaluation, provided there are costs to be incurred by the Cooperative to facilitate the Interconnection, the Requestor shall execute an Interconnection Construction Agreement and place on deposit with the Cooperative an amount equal to 115% of the budgetary cost estimated for the Interconnection. Upon completion of the Interconnection related work, any unused funds shall be remitted to the Requestor along with an accounting of the costs incurred. It shall be the responsibility of the Requestor to pay the full and total cost of the Interconnection even if such amount is in excess of the deposit(s). As the Interconnection work progresses, if the actual costs are expected to exceed 115% of the full budgetary estimate on deposit with the Cooperative,

the Cooperative shall request, and the Requestor shall pay additional funds to be placed on deposit with the Cooperative. Failure by the Requestor to do so in the timeframe specified by the Cooperative may, based on the sole judgment of the Cooperative, result in the Cooperative temporarily ceasing all work on the Interconnection. Member/Owner's payment of Construction Costs shall be construed as aid to construction only, and the Member/Owner shall not acquire any ownership interest in the metering, wiring, safety devices, or other equipment installed by the Cooperative at the site.

- J. Failure by the Requestor to place funds on deposit with the Cooperative shall result in the Interconnection Request being cancelled and voided. Thereafter, a request to renew the cancelled Interconnection Request shall be treated a new Interconnection Request.
- K. The third-party utility analysis may conclude that additional electrical elements, improvements, enhancements, systems, or other consequential third-party electric system additions, changes, or operational restrictions are necessary to accommodate the Interconnection. Arrangements with the third-party utility for payment of any related costs are the responsibility of the Requestor. The Cooperative shall coordinate activities between the Requestor and third-party utility, but expressly does not warrant the process or outcome thereof.
- L. At the sole discretion for the Cooperative, it shall provide the Requestor with certain requirements and related specifications pertaining to the design and construction of the Interconnection as it pertains to the work required of the Requestor. Such specifications may include required electrical protection schemes, voltage coordination arrangements, or any other considerations in keeping with good utility practice including, but not limited to, IEEE Standard 1547-2003 - Standard for Interconnecting Distributed Resources with Electric Power Systems, IEEE Standard 1547.1a-2015 - IEEE Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems - Amendment 1 and UL 1741 Standard for Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources.
- M. The Interconnection work on behalf of the Cooperative shall be completed within the normal and conventional work practices, hours, and priorities of the Cooperative. The Cooperative does not warrant a completion date.
- N. The Cooperative shall notify the Requestor of completion of the Interconnection work undertaken by the Cooperative. Notice of completion is not an authorization for energization of the distributed generation or the Interconnection by the Requestor.
- O. The Requestor shall formally notify the Cooperative of completion of the Interconnection work required of the Requestor and, at the Cooperative's sole discretion, may be asked to provide a Certificate of Completion from a certified licensed electrician. The main electrical disconnect controlling the electrical interfacing of the distributed generation with the electrical system of the Cooperative shall remain open and locked.
- P. Provided a third-party utility required certain work to be done to facilitate the Interconnection, the Requestor is responsible for obtaining a Certificate of Completion from the third-party utility. The main electrical disconnect controlling the electric interfacing of

the generation with the electrical system of the Cooperative shall remain opened and locked pending the receipt of the Certificate of Completion from the third-party utility.

- Q. Once all three of Q.a, Q.b, and Q.c are completed, the Cooperative at its sole discretion may inspect the work of the Requestor at the point of Interconnection:
- a. The Cooperative notifying the Requestor of completion of any interconnection work undertaken by the Cooperative.
 - b. Requestor notifying the Cooperative that any third-party interconnection work is complete, and
 - c. Requestor notify the Cooperative that the Distributed Generation (DG) system is installed and ready for interconnection.

Failure for the Requestor to complete step Q.c within 180 days or the Cooperative completing step Q.a shall result in the Interconnection Request being cancelled and voided. Thereafter, a request to renew the cancelled Interconnection Request shall be treated as a new Interconnection Request. Requests for extension beyond the 180 days may be granted at the sole discretion of the Cooperative.

- R. Subsequent to the Cooperative notifying the Requestor of completion of the Interconnection work undertaken by the Cooperative, and within 30 business days of receipt of notice by the Cooperative of completion of Interconnection work by the Requestor and the third party utility, if applicable, the Cooperative at its sole discretion may inspect the work of the Requestor at the point of the Interconnection. Upon satisfaction of the cooperative, the Cooperative shall issue the Requestor in writing a formal Authorization to Energize Agreement. Absent the Authorization to Energize Agreement, the main electrical disconnect controlling the electrical interfacing of the generation with the electrical system of the Cooperative shall remain open and locked.

III. INSURANCE REQUIREMENTS

- S. Throughout the term of this agreement, the Member shall carry a liability insurance policy issued by a licensed insurance carrier with an A.M. Best rating of **B+** or better that provides protection against claims for damages resulting from (i) bodily injury, including wrongful death; and (ii) property damage arising out of the member's ownership and/or operation of the distributed generation facility under this agreement. The limits of such policy shall be at least **\$1,000,000.00 per occurrence** for those members with generation facilities. The member shall provide a certificate of insurance containing a minimum 30-day notice of cancellation to the cooperative prior to connection of the member's facility to the cooperative's system.
- T. In the event the member chooses to self-insure, the member shall provide proof of financial responsibility satisfactory to the cooperative and shall indemnify the cooperative, its officers, agents, and employees against all loss, damage, expense and liability to any persons, including members, for injury to or death of persons or injury to property, including but not limited to consequential damages, interest, punitive damages, member's fees, and court costs, proximately caused by the indemnifying party's construction, ownership, interconnection, operation, or maintenance of, or by failure of, any of such party's works or facilities used in connection with the operation of the generating facility.

IV. Indemnification

The Member/Owner shall indemnify the Cooperative, its directors, officers, representatives, agents, and employees against all loss, damage, expenses and liability to any person, including Member/Owners, for injury or death of persons or injury to property, including, without limitation, consequential damages, interest, punitive damages, fees and charges due the Cooperative from Member/Owner in accordance with both applicable rate tariffs for the provision of electric service and Cooperative's regulations, attorney's fees, court costs and expenses, proximately caused by the construction, ownership, interconnection, operation. or maintenance of, or by failure of, any such Member/Owners' works of facilities used in connection with the operation of the generating facility. The Member/Owner shall, upon the Cooperative's request, defend any suit asserting a claim covered by the agreement to indemnify.

V. GENERAL REQUIREMENTS

- A. The Cooperative (and its agents) shall have free and unencumbered access to the DG, Interconnection, associated equipment, and the Member's premises at all times for any reasonable purpose in connection with this policy.
- B. The Member shall not energize the Cooperative's system during any period of electricity service interruption. The Member's equipment must contain a disconnect device to which the Cooperative (and its agents) have access and which the Cooperative (and its agents) can lock in an open position to disconnect, for safety reasons, the Member's electric generating facility from the Cooperative's electric delivery system. The Cooperative shall not be responsible for any loss or damage due to disconnecting and locking open the Members DG disconnect device for any safety reason determined by the Cooperative.
- C. Electric generation facilities may be disconnected by the Cooperative (and its agents) from its system whenever, in the sole opinion of the Cooperative, such action is required by an emergency, for reasons of personal or public safety, or it is believed in the sole judgement of the Cooperative the generation facility is causing an adverse impact on quality of electricity service. The Cooperative (and its agents) shall strive to provide reasonable notice to the Member prior to disconnection of the facility, if possible, but is under no obligation to do so.
- D. The DG shall be subject to the Cooperative's requirements for maintaining voltage standards, the production of reactive power, phasing, and frequency.
- E. The Member shall pay all costs of the Interconnection including initial and future transmission, distribution, metering, service, and other facilities cost necessary to permit Parallel Operations with the Cooperative.

- F. Any auxiliary or reserve power service required by the Member must be arranged in accordance with the terms of the Cooperative's applicable policies and rates as modified from time to time.

ADOPTED: 3-1-08

AMENDED: 9-26-19, 6-21-22

ATTEST: _____
Secretary

APPROVED: _____
President

ATTACHMENT A

Western Illinois Electrical Coop.

Interconnection Application Agreement

Complete and return this application to the Cooperative's renewable energy group as part of an Interconnection Request.

OWNER/APPLICANT INFORMATION

Member/Owner Name: _____
WIEC Account Number (if known): _____
Mailing Address: _____
City: _____ County: _____ State: _____ Zip Code: _____
Phone Number: _____ Representative: _____
Email Address: _____ Fax Number: _____

PROJECT DESIGN/ENGINEERING (ARCHITECT) (as applicable)

Company: _____
License/Registration Number and State: _____
Mailing Address: _____
City: _____ County: _____ State: _____ Zip Code: _____
Phone Number: _____ Representative Name: _____ Email
Address: _____ Fax Number: _____

ELECTRICAL CONTRACTOR (as applicable)

Company: _____
License/Registration Number and State: _____
Mailing Address: _____
City: _____ County: _____ State: _____ Zip Code: _____
Phone Number: _____ Representative Name: _____ Email
Address: _____ Fax Number: _____

TYPE OF GENERATOR (as applicable)

Photovoltaic _____ Diesel Engine _____ Wind _____ Gas Engine _____ Micro Turbine _____
Combustion Turbine _____ Other _____

APPLICABLE RENEWABLE ENERGY PROGRAM

Net Billing _____ Waived QF _____ Standard QF _____

ESTIMATED LOAD, GENERATOR RATING AND MODE OF OPERATION INFORMATION

The following information is necessary to help properly design the Cooperative Member/Owner interconnection. This information is not intended as a commitment or contract for billing purposes.

Total Site Load (kW) _____ Annual Estimated Generation (kWh) _____
Residential _____ Commercial _____ Industrial _____ Generator Rating (kW) _____
Number of solar panels _____ Wattage of solar panels (each) _____ (Watts)
Number of Inverters _____ Size of Inverters (AC) _____ (Watts)

DESCRIPTION OF PROPOSED INSTALLATION AND OPERATION

Provide a description of the proposed installation, including a detailed description of its planned location, the point of electrical interconnection, structure(s) to be served by the generator, and the date you plan to commence operation of the generator.

PRIME MOVER (Complete all applicable items.)

Unit Number: _____ Type: _____
Manufacturer: _____ Serial
Number: _____ Date of manufacture: _____ H.P. Rated:
_____ H.P. Max: _____ Inertia Constant: _____ lb.-ft.² Energy Source
(hydro, steam, wind, etc.) _____

INVERTER DATA

Manufacturer: _____ Model: _____ Rated
Power Factor: (%) _____ Rated Voltage: (Volts) _____ Rated Amperes: _____ Inverter
Type: (ferroresonant, step, pulse-width modulation, etc): _____ Type
commutation: forced line
Harmonic Distortion: Maximum Single Harmonic (%) _____
Maximum Total Harmonic (%) _____

Note: Attach all available calculations, test reports, and oscillographic prints showing inverter output voltage and current waveforms.

POWER CIRCUIT BREAKER

Manufacturer: _____ Model: _____
Rated Voltage (kilovolts): _____ Rated ampacity (Amperes) _____

ADDITIONAL INFORMATION THAT NEEDS SUBMITTED

1. Interconnection Application Fees Agreement (filled out)
 2. One-line Diagram of your system (developer can help member on this)
 3. Site plan for proposed system
 4. Specification sheets for solar panels
 5. Specification sheets for inverters
 6. \$250.00 Application Fee up to 100 kW "AC" non-refundable (check made payable to WIEC)
 7. \$1000.00 Study Fee (check made payable to WIEC) This may be refundable if determined study is not needed.
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SIGNATURE AND ACKNOWLEDGMENT

For myself and/or with authority/permission of the entity named herein, I state the following:

I have read, understand and agree to all provisions, terms and conditions set forth in Western Illinois Electrical Coop. Policy 526 - Interconnection and Parallel Operation of Distributed Generation.

I desire to interconnect electric generating equipment to the low-voltage premises wiring at the applicable premises or facility. I desire to undertake Parallel Operation of such generating equipment with the electric system of the Cooperative as defined in Policy 526.

I agree the Cooperative will evaluate and analyze the impact the proposed electric generation equipment may have on (i) the operations of Cooperative electric system and (ii) the quality of electric service provided to the Member/Owner of the Cooperative. The Cooperative has identified the fee associated with this application, which includes the costs of basic design evaluation.

I understand the basic design evaluation may reveal the requirement for a detailed design evaluation, may require an upgrade to Cooperative infrastructure in order to maintain an adequate quality of electrical service to any and all Cooperative member/owners, or may impact a third-party utility in such a manner that such utility requires further studies and/or upgrades. I understand that to proceed with the interconnection application process and prior to interconnection, I am responsible for such additional fees and/or costs, pursuant to Policy 526.

I understand that the application fee is non-refundable, regardless of the basic design application results, or if I decide to discontinue with the interconnection.

I agree not to undertake Parallel Operation of any generating equipment on the low-voltage premises wiring at my property without the "Authorization to Energize" executed by the Cooperative. I further agree to allow the Cooperative to share pertinent interconnection information with the contracted installer of such renewable energy system.

Applicant/Member-Owner, Print Name: _____

Applicant/Member-Owner Signature: _____

Date: _____

Please call us at 800-576-3125 if you have any questions about the application process.

QUEUE DATE: _____ at TIME: _____ BY: _____

ATTACHMENT B

Western Illinois Electrical Coop.

Interconnection Construction Agreement

Member shall, at Member's sole cost and expense, install, operate, own, maintain, repair, inspect, and otherwise be fully responsible for one or more generating facilities interconnecting to the Member's low-voltage premises wiring associated with a specified service retail metering point (Facilities).

Member agrees to pay or reimburse _____ Electric Cooperative (Cooperative) for all costs of additional metering beyond the Member's existing meter equipment and any additional distribution equipment, facilities, equipment additions, or any other costs necessary for Cooperative to interconnect the Member's Facilities such that Parallel Operation is acceptable to the Cooperative.

Cooperative shall in its sole discretion determine the specific type of metering equipment, additional distribution equipment, facilities, equipment additions, and any other costs, including third-party utility costs incurred by the Cooperative, necessary for Cooperative to interconnect the Member's Facilities such that Parallel Operation is acceptable to the Cooperative.

Member's payment or reimbursement of Cooperative's costs shall be construed as aid to construction only, and Member will not acquire any ownership interest in nor tamper with meters, wiring, safety devices, or other equipment installed by Cooperative (or a third-party utility) at Member's site.

Cooperative may install and maintain, at its expense, metering for monitoring the Member's energy generation and usage, and may thereafter use and disclose to others all data collected in any manner deemed appropriate by the Cooperative.

Cooperative has determined the budgetary costs it will likely incur in association with the interconnection of Member's generation is estimated to be \$ _____. Member is required to place on deposit with Cooperative 115% of this amount which is \$ _____.

Upon completion of the Interconnection work, any unused funds shall be remitted to the Member along with an accounting of the costs incurred. It shall be the responsibility of the

Member to pay the full and total cost of the Interconnection, even if such amount is in excess of the deposit(s).

As the Interconnection work progresses, should the actual costs be likely to exceed 115% of the full budgetary estimate on deposit with the Cooperative, the Cooperative shall request additional funds to be placed on deposit with the Cooperative. Failure by the Member to place such funds on deposit in the timeframe specified by the Cooperative may, based on the sole judgment of the Cooperative, result in the Cooperative temporarily ceasing all work on the Interconnection.

Failure by the Requestor to place funds on deposit with the shall result in the Interconnection Request being cancelled and voided. A desire to renew the Interconnection Request later will be treated as an entirely new Interconnection Request.

The third-party utility analysis may conclude added electrical elements, improvements, enhancements, systems, consequential third-party electric system additions, changes, or operational restrictions are necessary to accommodate the Interconnection. Arrangements with the third-party utility for payment of any related costs are the responsibility of the Member. The Cooperative will coordinate activities with the parties to the best of their ability, but explicitly does not warrant the process or outcome.

Applicant/Member-Owner, Print Name: _____

Applicant/Member-Owner Signature: _____

Date: _____

Confirmation of Payment Received by Cooperative

Amount: _____

Signed (Cooperative Representative) _____

Date: _____

ATTACHMENT C

Western Illinois Electrical Coop.

Interconnection Application Fees Agreement

1. This Interconnection Request is for **(select one)**:

_____ A proposed new Small Distributed Generation Facilities equal to or less than 100 Kw ("AC")

_____ An increase in the generating capacity or a Material Modification of an existing Small Distribution Generation Facilities.

2. To initiate an Interconnection Request, Interconnection member must submit all the following.

- (a) An application fee of \$250.00 for expected total nameplate capacity of 100 Kw ("AC") or less. **(non-refundable)**
- (b) A study deposit fee of \$1000.00 for expected total nameplate capacity of 100 Kw ("AC") or less. Study Deposit Fee will be applied towards the actual cost of the studies. If the studies exceed the deposit amount, the interconnection member will be invoiced the actual cost of the studies, less deposit amount. **(Refundable if study is not necessary)**
- (c) All paperwork and fees for any Qualifying Facility over 100 Kw ("AC") will be handled by Praire Power Inc.

Applicant/Member-Owner, Print Name: _____

Applicant/Member-Owner Signature: _____

Date: _____

ATTACHMENT D

Western Illinois Electrical Coop.

Interconnection and Parallel Operation of Distributed Generation Agreement

DATE OF AGREEMENT: _____

Western Illinois Electrical Cooperative, hereinafter "Cooperative"
524 N Madison
Carthage, IL 62321

_____, hereinafter "Member"

This Agreement for Interconnection and Parallel Operation of Distributed Generation (hereinafter "Agreement") is made and entered the date indicated above between **Western Illinois Electrical Cooperative** (hereinafter referred to as "Cooperative"), a not-for-profit corporation organized under the laws of the State of Illinois, and _____, (hereinafter referred to as "Member"), a member/owner of the Cooperative presently receiving electric service from Cooperative, each hereinafter sometimes referred to individually as "Party" or both referred to collectively as the "Parties".

In consideration of the mutual covenants set forth herein, and other good and valuable consideration, the sufficiency and receipt thereof is hereby acknowledged, the Parties agree as follows:

1. Scope of Agreement – This Agreement addresses the conditions under which the Cooperative and Member agree that one or more generating facilities (herein "DEGF") owned by Member with a nameplate capacity not exceeding 10MW, can be interconnected to the Member's low-voltage premises wiring associated with a specified service retail metering point (collectively with DEGF sometimes referred to as the "Facilities") to the Cooperative's electric power distribution system (hereinafter sometimes referred to as the "System"). This Agreement shall not entitle the Member to electric service beyond the terms of a separate membership agreement for service and is subject to the Cooperative's rules, policies, regulations, by-laws, and rates (hereinafter collectively "Requirements").

2. Establishment of Point of Interconnection – Cooperative and Member agree to interconnect the Facilities at the location(s) of “Point of Interconnection” in accordance with the terms of the Cooperative’s Policy 526 Interconnection and Parallel Operation of Distributed Generation and the Institute of Electrical and Electronic Engineers (IEEE) Standards 1547, 1547.1, and UL Standard 1741.

3. Responsibilities of Cooperative and Member for Ownership, Installation, Operation, and Maintenance of Facilities – Member will, at Member’s sole cost and expense, own, install, operate, maintain, repair, inspect, and shall be fully responsible for the Facilities, unless otherwise specified. Member shall conduct operations of the Facilities in compliance with all aspects of the Cooperative’s requirements and in accordance with industry standards and prudent engineering practice. Maintenance of the Facilities shall be performed in accordance with the applicable manufacturers’ recommended maintenance schedule. Member agrees to cause its Facilities and interconnection facilities to be constructed in accordance with WIEC Policy 526 Interconnection and Parallel Operation of Distributed Generation. The Cooperative shall have the right to inspect and require changes prior to energizing. Phase, frequency, and voltage of the Member’s interconnected generation shall be compatible with that provided by the Cooperative.

Member shall comply with all applicable Federal, State, and local laws, regulations, zoning codes, building codes, safety rules, and environmental restrictions applicable to the design, installation, operation, and maintenance of the Facilities.

The Cooperative will notify Member if there is evidence that the Facilities’ operation causes disturbance, disruption, or deterioration of service to other members served from the System and also if the Facilities’ operation causes damage to the System. If this condition persists, the Cooperative shall have the right to disconnect Member from the System. Member will notify the Cooperative of any emergency or hazardous condition or occurrence with the Facilities which could affect safe operation of the System.

4. Operator in Charge – Member shall provide a phone number and address of an individual contact person with knowledge of this Agreement, familiar with the installation, maintenance, and operation of the Facilities and with the authority to disconnect the Facility from the System in the event the Cooperative requires doing so.

5. No Power Sales to Cooperative - Interconnection of the Facilities with the System does not grant Member the right to export power nor does it constitute an agreement by the Cooperative to purchase or wheel power. Purchase of excess Facility energy and capacity is governed by the Cooperative’s Board Policy pertaining to Policies 527NM or 527QF or 527NB.

6. Limitation of Liability and Indemnification:

a. Notwithstanding any other provision in this Agreement, with respect to the Cooperative’s provision of electric service to Member and the services provided by the Cooperative pursuant to this Agreement, Cooperative’s liability to Member shall be limited as set forth in the Cooperative’s rules, bylaws, policies, contracts, and terms

and conditions for electric service, which are incorporated herein by reference, and in no event shall the Cooperative be liable for loss of profit, loss of operation time, or loss of or reduction in use of any facilities or any portion thereof, increased expense of construction, operation, or maintenance, or for any special, indirect, incidental, or consequential damages resulting from the construction, operation, or maintenance of the Facilities.

b. For the purposes of this Agreement, a Force Majeure event is any event beyond the reasonable control of the affected party that the affected party is unable to prevent or provide against by exercising reasonable diligence. This includes, but is not limited to, public disorder, rebellion or insurrection, floods, hurricanes, earthquakes, lightning, storms or other natural calamities, explosions or fires, strikes, work stoppages or labor disputes, embargoes, and sabotage. If a Force Majeure event prevents a party from fulfilling any obligations under this Agreement, such party will promptly notify the other party in writing and will keep the other party informed on a continuing basis as to the scope and duration of the Force Majeure event. The affected party will specify the circumstances of the Force Majeure event, its expected duration and the steps that the affected party is taking to mitigate the effect of the event on its performance. The affected party will be entitled to suspend or modify its performance of obligations under this Agreement during an event of Force Majeure, but will use reasonable efforts to resume its performance as soon as possible.

c. Member shall be responsible for the safe installation, maintenance, repair, and condition of lines, wires, switches, and other equipment and property on its side of the Point of Interconnection. The Cooperative does not assume any duty of inspecting Member's lines, wires, switches, or other equipment or property and will not be responsible therefore. Member assumes all responsibility for the electric service supplied hereunder and the facilities used in connection therewith at or beyond the Point of Interconnection.

7. Testing and Testing Records – Member shall perform or cause to be performed such tests as the Cooperative may reasonably require and shall provide to the Cooperative all records of testing. Testing of protection systems shall comply with existing industry standards and practices. These records shall include testing at the start of operation and periodic testing thereafter. Factory testing of pre-packaged interconnection facilities and the protective systems of small units shall be acceptable in the absence of reasonable grounds for additional testing. In the case of a factory test, Member shall provide a written description and certification by the factory of the test, the test results, and the qualification of any independent testing laboratory. In addition, Member shall obtain approval by the Cooperative of the settings of the equipment being installed prior to operation.

8. Right of Access, Equipment Installation, Removal & Inspection – The Cooperative (and its agents) shall have free access to the Facilities at all times to monitor operation of the member's equipment, Cooperative-supplied service equipment connected to such system, and to disconnect for good cause, without prior notice to the Member.

The Cooperative (and its agents) shall also have access to Member's premises and to operational records for any reasonable purpose in connection with the interconnection described in this Agreement, the Requirements, or to provide service to its members.

9. Disconnection of Facilities – Member retains the option to disconnect the Facilities from the System, provided that Member notifies the Cooperative of the Member’s intent to disconnect by giving the Cooperative at least **90** days’ prior written notice. Such disconnection shall not be a termination of this Agreement unless Member exercises rights under Section 12.

Member shall disconnect the Facilities from the System upon the effective date of any termination resulting from and required by actions under Section 12.

The Cooperative (and its agents) may disconnect the Facilities from its System whenever, in the sole opinion of the Cooperative, such action is required by an emergency, for reasons of safety, or due to interference with service to other members. The Facilities shall also be subject to the Cooperative’s requirements for maintaining voltage standards of output and the production of reactive power.

10. Metering – The Cooperative shall be reimbursed for all costs of interconnection, including all carrying and metering costs, incurred by the Cooperative in connecting and as a result of connection and disconnection of the Facilities to the distribution system. Metering shall meet accuracy standards required for equivalent electrical services and can be accomplished with standard meters or any devices that meet data collection and accuracy requirements.

11. Insurance – [Cooperative to select applicable requirement]

□ Throughout the term of this Agreement, Member shall carry a liability insurance policy issued by a licensed insurance carrier with an A. M. Best rating of **B+** or better that provides protection against claims for damages resulting from (i) bodily injury, including wrongful death; and (ii) property damage arising out of the Facilities. The limits of such policy shall be at least **\$1,000,000 per occurrence**. The Member shall provide a certificate of insurance containing a minimum 30-day notice of cancellation to the Cooperative prior to connection of the Facilities to the System.

□ The Member acknowledges and accepts all risks associated with ownership and operation of the DEGF, including but not limited to death, personal injury, and property damage as a result of voltage from the DEGF. Member shall consult with an insurance professional to identify and manager Member's risks. The Member agrees and understands the Cooperative is not responsible for insuring or managing the Member's risks.

12. Effective Term and Termination Rights – This Agreement becomes effective when executed by both Parties and shall continue in effect until terminated. This Agreement may be terminated as follows:

- a. Member may terminate this Agreement at any time for any or no reason by giving the Cooperative at least **90** days’ written notice;
- b. Cooperative may terminate upon failure by Member to generate energy from the Facilities within **3** months after completion of the interconnection;
- c. either Party may terminate by giving the other Party at least **90** days' prior written notice that the other Party is in default of any of the terms and conditions of the Agreement or the Rules or any rate schedule, regulation, contract, or policy of the

Cooperative, so long as the notice specifies the basis for termination and there is opportunity to cure the default;

- d. Cooperative may terminate by giving Member at least **90** days' notice in the event that there is a material change in an applicable law, or any change in policy or procedure pertaining to DEGF by the Cooperative's wholesale electric supplier or requirement of any transmission utility, independent system operator, or regional transmission organization having responsibility for the operation of any part of the System;
- e. Cooperative may terminate this Agreement in the event Member does any or all of the following:
 - a. ceases to receive electric service from Cooperative or is in default of terms or conditions for electric service;
 - b. makes a general assignment or arrangement for the benefit or creditors;
 - c. is unable (or admits in writing its inability) generally to pay its debts as they become due;
 - d. is dissolved or has a resolution passed for its winding-up or liquidation (other than pursuant to a consolidation, acquisition or merger);
 - e. seeks or becomes subject to the appointment of an administrator, assignee, conservator, receiver, trustee or similar official for substantially all of its assets;
 - f. has a secured party take possession of all or substantially all of its assets or has all, or has substantially all of its assets become subject to an attachment, execution, levy, sequestration or other legal process which is not dismissed discharged, stayed or restrained within **90** days;
 - g. causes or is subject to any event that has an effect analogous to any of the events enumerated herein; or
- f. Termination by Cooperative shall be effective upon **30** calendar days' written notice or upon any required approval by FERC, whichever is later. Upon any termination of this Agreement: (i) any sums due hereunder shall become immediately due and payable; (ii) Cooperative shall, at its option and expense, remove its equipment and facilities; and (iii) Member shall allow unencumbered access to Cooperative (and its agents) to remove its equipment and facilities. Termination of this Agreement shall not affect Member's rights under then applicable laws and regulations to enter into a new agreement with Cooperative under Cooperative's then-current policies and form agreements.

13. Compliance with Laws, Rules and Regulations— Member shall be responsible for complying with all federal, State, and local laws. In the event the Facilities, interconnection, or disposition of electricity generated are or become subject to Federal, State, or local

regulation, Member is and shall be responsible for regulatory compliance. The interconnection and services provided under this Agreement shall at all times be subject to the terms and conditions set forth in the Rules and the Cooperative's policies governing interconnection of DEGF. The Cooperative reserves the right to change the Rules and policies at any time.

14. Severability and Survival – If any portion or provision of this Agreement is held or adjudged for any reason to be invalid or illegal or unenforceable by any court of competent jurisdiction, such portion shall be deemed separate and independent, and the remainder of this Agreement, shall remain in full force and effect. The following sections shall survive expiration and any termination of this Agreement: Sections 3, 5 - 10, 12, 13, 20, and 22.

15. Amendment – This Agreement may be amended only upon mutual agreement of the Parties, which amendment will not be effective until reduced to writing and executed by the Parties.

16. Entirety of Agreement – This Agreement, including the Cooperative's policies (current and as further amended) and the requirements contained in the attached Exhibits and Facilities Schedules, which are expressly made a part hereof for all purposes, constitutes the entire agreement and understanding between the Parties with regard to the interconnection of the

Facilities at the Points of Interconnection expressly provided for in this Agreement. The Parties are not bound by or liable for any statement, representation, promise, inducement, understanding, or undertaking of any kind or nature (whether written or oral) with regard to the subject matter hereof not set forth or provided for herein or in Member's application, or other written information provided by the Member in compliance with these requirements.

17. Assignment – This Agreement may be assigned to a party receiving electric service from the Cooperative at the site of the Facilities only upon the express written consent of the Cooperative. The assignee will be responsible for the proper operation and maintenance of the Facilities, and must agree in writing to be subject to all provisions of this Agreement. Cooperative may assign the Agreement to another entity with the written approval of Member. Required consents shall not be withheld unreasonably.

18. Notices – Notices given under this Agreement are deemed to have been duly delivered once received by United States certified mail, return receipt requested, postage prepaid, to

Cooperative:

Member:

Western Illinois Electrical Cooperative

Attn: General Manager

524 N Madison

Carthage, Illinois 62321

The above-listed names, titles, and addresses of either Party may be changed by written notification to the other.

19. Invoicing and Payment – Invoicing and payment terms for services associated with this Agreement shall be consistent with applicable Cooperative policies.

20. No Third-Party Beneficiaries – This Agreement is not intended to and does not create rights, remedies, or benefits of any character whatsoever in favor of any persons, corporations, associations, or entities other than the Parties, and the obligations herein assumed are solely for the use and benefit of the Parties.

21. Waiver - The failure of either Party to insist, on any occasion, upon strict performance of any provision of this Agreement will not be considered to waive the obligations, rights, or duties of the provisions in this Agreement.

22. Governing Law and Jurisdiction – It is agreed that this Agreement shall be construed and governed in accordance with the laws of the State of Illinois and that the circuit court of County has jurisdiction on all matters relating to the enforcement of this Agreement.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be signed by their duly authorized representatives.

Western Illinois Electric Cooperative

Member

BY: _____

TITLE: _____

WITNESS: _____

ATTACHMENT E

Western Illinois Electrical Coop.
Authorized to Energize Agreement

This Authorization to Energize applies exclusively to the Small Distributed Generation Facility sized at _____(KW) (“AC”) owned by (“Member”) _____, located at address _____ and which will be provided electric service by Western Illinois Electrical Cooperative under account number _____ and meter number _____.

The undersigned Member has executed an Interconnection and Parallel Operation of Distributed Generation Agreement along with an Interconnection Application Agreement and has paid in full any initial fees stipulated in the Interconnection Request.

By the Member's signature on this Authorization to Energize the Member is representing the above Small Distributed Generation Facility is ready and able to be safely energized and to safely undertake Parallel Operations with the Cooperative's electric system.

The Member is hereby authorized to energize the above Distributed Electricity Generating Facility at _____ AM/PM on _____ (date).

Applicant/Member-Owner, Print Name: _____

Applicant/Member-Owner Signature: _____

Date: _____

Signed (Cooperative Representative) _____

Date: _____

