Bartlett Electric Cooperative, Inc.

Distributed Generation Procedures & Guidelines Manual for Members

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DISTRIBUTED GENERATION PROCEDURES & GUIDELINES MANUAL FOR MEMBERS

I. GENERAL

In order to receive service from Bartlett Electric Cooperative, Inc., hereinafter referred to as "Cooperative", a Customer must join or become a "Member" of the Cooperative. Throughout this Distributed Generation (DG) Manual, Customers will be referred to as "Members." For more information about the Cooperative membership application process, including any applicable membership fees or deposits, contact the Cooperative to request new member information. Please refer to the DG Tariff (Attachment 1) for definitions of terms used in this DG Manual.

It is the intent of the Cooperative to allow Members to install DG, provided the Member's DG facility does not adversely affect the Cooperative. The Member must conduct his/her own analysis to determine the economic benefit of DG operation.

A DG facility that is not connected to the Cooperative's system in any way is known as "standalone" or "isolated" DG. The Member may operate a DG facility in a stand-alone or isolated fashion as long as such DG facility does not adversely affect the Cooperative's system. A DG facility connected in any way to the Cooperative's system shall be considered as in "parallel." For purposes of this DG Manual, a DG facility is considered operating in "parallel" anytime it is connected to the Cooperative's system in any way, even if the Member does not intend to export power. All provisions of this DG Manual shall apply to parallel operation of DG facilities as so defined. Member shall fully comply with the provisions of this DG Manual, as same may be amended from time to time at the sole discretion of the Cooperative.

This DG Manual is not a complete description or listing of all laws, ordinances, rules and regulations, nor is this DG Manual intended to be an installation or safety manual. If any part of this DG Manual shall be found to be in conflict with the DG Tariff, the DG Tariff shall **control.** The Member requesting to interconnect a DG facility to the Cooperative's system is responsible for and must follow, in addition to all provisions of this DG Manual, the Cooperative's Rules and Regulations and Tariffs for Electric Service, the Cooperative's Line Extension Policy, the Policies and Procedures of the Cooperative's power supplier where applicable, the current NFPA 70 National Electrical Code, the current IEEE 1547 Standard Guide for Distributed Generation Interconnection, IEEE 519 Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems, and other applicable IEEE standards, applicable ANSI standards, including ANSI C84.1, UL 1741 Standard for Inverters, Converters, and Controllers for use in Independent Power Production Systems, PUC Substantive Rule 25.212 and any other applicable governmental and regulatory laws, rules, ordinances or requirements. All legal, technical, financial, etc. requirements in the following sections of this DG Manual must be met prior to interconnection of the DG facility to the Cooperative's system.

A Member may serve all loads behind the meter at the location serving the DG facility but will not be allowed to serve multiple meters, multiple consuming facilities or multiple Members with a single DG facility or under a single DG application without prior written approval by the Cooperative.

DG facilities larger than 10 MW are not covered by this DG Manual and will be considered by the Cooperative, and/or its Power Supplier, on a case-by-case basis.

II. DETERMINE THE CATEGORY OF DISTRIBUTED GENERATION FACILITY

1) Connection Level Category

- a) Connected to the Cooperative's system:

 The Member requests and/or the Member's DG facility require connection to the Cooperative's system. All provisions of this DG Manual cover this category.
- b) Connected to the Cooperative's Power Supplier's system (60 kV and higher voltages, 10 MW and above): The Member requests and/or the Member's DG facility require connection to the Cooperative's Power Supplier's system. This DG Manual does NOT cover this category. The Member should contact the Cooperative's Power Supplier directly as follows: Manager of Communications/Key Accounts, Brazos Electric Cooperative, 1-888-751-6500.

2) Power Export Category

- a) Parallel no power export (typical for small renewable wind or solar ≤ 20 kW) The Member operates a DG facility connected <u>in any way</u> to the Cooperative system but with no intention to export power.
- b) Parallel power generated to be both consumed and exported
 The Member operates a DG facility connected <u>in any way</u> to the Cooperative's
 system designed primarily to serve the Member's own load but with the
 intention to export excess power.
- c) Parallel power generated to be exported only
 The Member operates a DG facility connected <u>in any way</u> to the Cooperative's system designed primarily with the intention to export power.

3) <u>Size Category</u>

- a) Facilities 20 kW and smaller Facilities ≤ 20 kW of connected generation will be placed in this size category unless the Member requests connection under the > 20 kW size category.
- b) Facilities above 20 kW and below 10 MW Facilities > 20 kW and below 10 MW of connected generation will be placed in this size category. Facilities \leq 20 kW may be placed in this size category if so requested by the Member.
- c) Facilities ≥ 10 MW of connected generation Not considered under this DG Manual.

III. MEMBER'S INITIAL REQUIREMENTS

1) Notification

- a) The Member must meet all the Cooperative's membership and service requirements in addition to the requirements in the DG Manual.
- b) Anyone owning or operating a DG facility in parallel with the Cooperative's system must notify the Cooperative of the existence, location and category of the DG facility.

2) Service Request

- a) In advance of request for an interconnection, the Member must contact the Cooperative and complete the "Application for Operation of Member Owned Generation" (Attachment 2) and the appropriate "Cooperative Agreement for Interconnection and Parallel Operation of Distributed Generation". Additionally, a \$200 DG Application Fee (page 31) must be paid at this time.
- b) DG facilities 20 kW and smaller in size and of standard manufacture and design (as so determined by the Cooperative) may submit the Agreement Short Form (Attachment 3). All other facilities must submit the Agreement Long Form (Attachment 4).
- c) A separate form must be submitted for each facility.

3) Submit a DG Plan

a) As a part of the Application, the Member shall submit a plan detailing the electrical design, interconnection requirements, size, and operational plans for the DG facility (the "DG plan"). Either at the time of submission or at any time during the review process, the Cooperative may require additional information or may require the DG plan to be prepared by a Professional Engineer registered in the state of Texas.

IV. COOPERATIVE AND POWER SUPPLIER REVIEW PROCESS

1) Plan Review Process

- a) The Cooperative and its Power Supplier, if requested by the Cooperative, will review the application and accompanying documents, plans, specifications, and other information provided and will return an interconnection analysis to the Member within six (6) weeks of receipt of final plans and specifications and additional information, if any, requested by the Cooperative. The cost will be determined by the Cooperative and shall be paid by the Member.
- b) Technical review will be consistent with guidelines established by the most recent *IEEE Standard 1547 Guide for Distributed Generation*

Interconnection. The Member may be required by the Cooperative to provide proof that their DG Facilities have been tested and certified by applicable IEEE guidelines.

- c) If corrections or changes to the plans, specifications and other information are to be made by the Member, the six (6) weeks period may be reinitialized when such changes or corrections are provided to the Cooperative. In addition, any changes to the site or project requiring new analysis by the Cooperative may require additional cost and a new DG plan. The cost will be determined by the Cooperative and shall be paid by the Member.
- d) Any review or acceptance of such plans, specifications and other information by the Cooperative and/or its Power Supplier shall not impose any liability on the Cooperative and/or its Power Supplier and does not guarantee the adequacy of the Member's equipment or DG facility to perform its intended function. The Cooperative and its Power Supplier disclaim any expertise or special knowledge relating to the design or performance of DG installations and does not warrant the efficiency, cost-effectiveness, safety, durability, or reliability of such DG installations. Installation and operation of the DG facility shall at all times be at the Member's risk and expense.
- e) In the event it is necessary at the time of initial interconnection or at some future time for the Cooperative and/or its Power Supplier to modify electric delivery systems in order to serve the Member's DG facilities and/or purchase or continue to purchase the output of the Member's DG facilities, or because the quality of the power provided by the Member's DG adversely affects the Cooperative's and/or its Power Supplier's delivery system, the Member will be responsible to pay the Cooperative and/or its Power Supplier in advance for all costs of modifications required for the interconnection of the Member's DG facilities.

V. SALES TO AND PURCHASES FROM A DISTRIBUTED GENERATION FACILITY

- 1) For all DG where the Member desires to export power
 - a) All DG facilities shall be billed under one of the Cooperative's existing rate tariffs.
 - b) All sales of electric power and energy by the Cooperative to a Member shall be consistent with the applicable retail rate schedule established by the Cooperative as if there were no DG installation at the Member's premises, including any charges in the Cooperative's DG tariff rider.
 - c) The Member shall pay all rates and charges so listed in the applicable tariff sections.

d) The Member shall be subject to any market charges related to the Member's DG facility, including but not limited to scheduling, dispatching and energy imbalance.

2) For $DG \le 20 \text{ kW}$ where the Member desires to export power:

- a) For power produced in excess of on-site requirements, the Member will be compensated by the Member's kWh generation. The Cooperative shall bill the Member for the energy supplied by the Cooperative during each billing period according to the Cooperative's applicable retail rate schedule.
- b) In addition to all other charges, the Cooperative may add an additional monthly customer charge for Members with DG facilities to recover any additional billing, meter reading and/or customer service costs.
- c) The Cooperative shall credit the Member's account on a monthly basis or pay the Member on a mutually agreeable basis for the energy supplied by the Member to the Cooperative. The rate paid by the Cooperative to the Member shall be the Cooperative's avoided energy cost, as detailed in the DG Tariff.
- d) The Member shall sign an approved Interconnection Agreement, as detailed in this DG Manual, for interconnection service with the Cooperative.
- e) In addition to all other charges, the Cooperative may bill the Member for any additional facilities charges as determined by the Cooperative and appended to the Interconnection Agreement.

3) For DG > 20 kW and < 10 MW where the Member desires to export power:

- a) No net metering shall be used. The type of metering to be used shall be specified at the sole discretion of the Cooperative. The metering shall provide data so the Cooperative can determine each billing period the energy supplied to the Member by the Cooperative and the energy supplied to the Cooperative by the Member.
- b) At the sole discretion of the Cooperative, an approved load profile meter may be required which can be remotely read by the Cooperative through an approved communications link. Otherwise, the meter shall be read monthly by Cooperative personnel and the Member shall be billed for the additional cost of reading the meter.
- c) The Cooperative shall bill the Member for the full energy used by the Member during each billing period according to the Cooperative's applicable retail rate schedule.
- d) In addition to all other charges, the Cooperative may add an additional monthly customer charge for Members with DG facilities to recover any additional billing, meter reading and/or customer service costs.

- e) The Cooperative shall pay the Member/Producer on a mutually agreeable basis for the energy supplied by the Member to the Cooperative. The rate paid by the Cooperative to the Member/Producer shall be negotiated, or otherwise at the Cooperative's avoided energy cost, as detailed in the DG Tariff.
- f) The Member shall sign an approved Interconnection Agreement for Interconnection of Distributed Generation with the Cooperative.
- g) In addition to all other charges, the Cooperative may bill the Member for any additional facilities charges as determined by the Cooperative and as detailed in the DG Tariff.

4) Purchases from the Member

- a) The Cooperative shall not be required to make any purchases that will cause the Cooperative to no longer be in compliance with any applicable contracts or all-power contract requirements with its Power Supplier(s).
- b) Any purchase of energy from the Member shall be made as detailed in the DG Tariff.

VI. MEMBER'S RESPONSIBILITY PRIOR TO OPERATION

- 1) <u>Line Extension and Modifications to Cooperative Facilities</u>
 - a) As a part of the interconnection analysis performed by the Cooperative, the Member will be provided with an estimate of any line extension or other cost to be incurred in providing electric delivery service to the Member's DG facility.
 - b) Notwithstanding the Cooperative's line extension policy, the Member shall pay in advance the full cost of the construction of any transmission, substation, distribution, transformation, metering, protective, or other facilities or equipment which, at the sole discretion of the Cooperative and/or its Power Supplier, is required to serve the Member's DG facility.
 - In the event it is necessary at the time of initial interconnection or at some future time for the Cooperative and/or its Power Supplier to modify electric delivery systems in order to serve the Member's DG facilities and/or purchase or continue to purchase the Member's output, or because the quality of the power provided by the Member's DG adversely affects the Cooperative and/or its Power Supplier's delivery system, the Member will reimburse the Cooperative and/or its Power Supplier for all costs of modifications required for the interconnection of the Member's DG facilities.
 - d) In the event the Cooperative at any time in the future changes primary voltage of facilities serving the DG facility such that metering equipment, transformers and/or any other Member-owned equipment must be changed to continue

receiving service at the new primary voltage level, the full cost of the change will be borne by the Member.

e) In all cases, the Member shall install a visible load break disconnect switch. The switch will be readily accessible to Cooperative personnel and of a type that can be secured in an open position by a Cooperative lock.

2) Applicable Regulations

The DG facility shall be installed and operated by the Member subject to and in accordance with the terms and conditions set forth in the Cooperative's rules, regulations, bylaws, rates and tariffs, as amended from time to time, and, if applicable, approved by the Cooperative's Board of Directors, which are incorporated herein by reference, and in compliance with all applicable federal, state and local laws, regulations, zoning codes, building codes, safety rules, environmental restrictions, ordinances and regulations, including without limitation, the most recent *IEEE Standard 1547 Guide for Distributed Generation Interconnection*, applicable ANSI standards, including ANSI C84.1, Electric Reliability Council of Texas (ERCOT) Independent System Operator (ISO) directives and ERCOT guidelines, and in accordance with industry standard prudent engineering practices.

3) Liability Insurance

- a) Facilities 20 kW and smaller
 - (i) Not required at this time but can be required at a future date at the sole discretion of the Cooperative.
- b) Facilities larger than 20 kW
 - (i) Not required at this time but can be required at a future date at the sole discretion of the Cooperative.

4) Contracts

a) Interconnection Contract Refer to Section III, 2. a & b above.

5) <u>Initial Interconnection</u>

a) Upon satisfactory completion of the review process and execution of required agreements as outlined in this DG Manual, the Cooperative will begin installation of the interconnection of DG facilities. The interconnection will be completed as soon as practical after completion of the review process and execution of the necessary agreements/contracts. After completion of interconnection requirements and prior to initiation of service, the Cooperative will conduct a final inspection of the facilities and interconnection to the Cooperative's system. Upon final inspection satisfactory to the Cooperative, the Cooperative will initiate service to the Member. Inspection costs will be determined by the Cooperative and shall be paid by the Member.

b) The Cooperative's review process and final inspection is intended as a means to help safeguard the Cooperative's facilities and personnel. Any review or acceptance of such plans, specifications and other information by the Cooperative and/or its Power Supplier shall not impose any liability on the Cooperative and/or its Power Supplier and does not guarantee the adequacy of the Member's equipment or DG facility to perform its intended function. The Cooperative and its Power Supplier disclaims any expertise or special knowledge relating to the design or performance of DG installations and does not warrant the efficiency, cost-effectiveness, safety, durability, or reliability of such DG installations.

VII. REFUSAL TO INTERCONNECT SERVICE OR DISCONNECTION OF INTERCONNECTION SERVICE

The Cooperative may, at its sole discretion, prevent the interconnection or disconnect the interconnection of DG facilities due to reasons such as safety concerns, reliability issues, power quality issues, breach of interconnection contract or any other issue which the Cooperative considers to be a reasonable basis for such action. Any disconnection may be without prior notice.

VIII. OPERATION OF PARALLEL FACILITY

The purpose of this section is to outline the Cooperative's operational requirements (the fulfillment of which is the responsibility of the Member) for DG facilities operated in parallel with the Cooperative's system and is not intended to be a complete listing of all operational, regulatory, safety and other requirements.

1) Ownership of facilities

- a) The Member shall own and be solely responsible for all expense, installation, maintenance and operation of all facilities, including all power generating facilities, at and beyond the point of delivery as defined in the DG Tariff.
- b) At its sole discretion, the Cooperative may locate Cooperative owned metering equipment and/or transformers past the point of delivery.

2) <u>Self-Protection of DG Facilities</u>

- a) The Member will furnish, install, operate and maintain in good order and repair all equipment necessary for the safe operation of DG facilities operated in parallel with the Cooperative system.
- b) The Member's equipment will have the capability to both establish and maintain synchronism with the Cooperative system and to automatically disconnect and isolate the DG facility from the Cooperative system.

- c) The Member's DG facility will be designed, installed and maintained to be self-protected from normal and abnormal conditions on the Cooperative system including, but not limited to, overvoltage, undervoltage, overcurrent, frequency deviation, and faults. Self-protection will be compatible with all applicable Cooperative protection arrangements and operating policies.
- d) Additional protective devices and/or functions may be required by the Cooperative when, in the sole judgment of the Cooperative, the particular DG facility installation and/or the Cooperative system characteristics so warrant.

3) Quality of service

- a) The Member's DG facility will generate power at the nominal voltage of the Cooperative's system at the Member's delivery point as defined by ANSI C84.1.
- b) Member's DG installation will generate power at a frequency within the tolerances as defined by IEEE 1547.
- c) Member's DG facility shall produce power at a minimum power factor of at least 97% lagging but not leading or shall use power factor correction capacitors to ensure at least a 97% power factor lagging but not leading.
- d) Member's DG facility shall be in accordance with the power quality limits specified in IEEE 519.
- e) The overall quality of the power provided by the Member's DG facility including, but not limited to, the effects of harmonic distortion, voltage regulation, voltage flicker, switching surges and power factor, will be such that the Cooperative system is not adversely affected in any manner.
- f) In the event that adverse effects are caused in whole or in part by the Member's DG facility, the Member will correct the cause of such effects within 30 days of the initial adverse effect and, if applicable, reimburse the Cooperative for required correction. However, the disconnection of the facilities by the Cooperative is permitted if, in the sole judgment of the Cooperative, adverse affects may warrant immediate disconnection from the Cooperative's system per Section VIII.4.

4) <u>Safety disconnect</u>

- a) The Member shall install a visible load break disconnect switch at the Member's expense and to the Cooperative's specifications.
- b) The switch will be located so as to be readily accessible to Cooperative personnel in a location acceptable to both the Member and Cooperative.
- c) The switch shall be a type that can be secured in an open position by a lock owned by the Cooperative. If the Cooperative has locked the disconnect switch open, the Member shall not operate or close the disconnect switch.

- d) The Cooperative shall have the right to lock the switch open when, in the sole judgment of the Cooperative:
 - (i) It is necessary to maintain safe electrical operating and/or maintenance conditions,
 - (ii) The Member's DG adversely affects the Cooperative system, or
 - (iii) There is a system emergency or other abnormal operating condition warranting disconnection.
- e) The Cooperative reserves the right to operate the disconnect switch for the protection of the Cooperative system even if it affects the Member's DG facility. In the event the Cooperative opens and/or closes the disconnect switch:
 - (i) The Cooperative shall not be responsible for energization or restoration of parallel operation of the DG facility.
 - (ii) The Cooperative will make reasonable efforts to notify the Member.
- f) The Member will not bypass the disconnect switch at any time for any reason.
- g) Signage shall be placed by the Member at the disconnect switch indicating the purpose of the switch along with contact names and numbers of both the Member and the Cooperative.
- h) Members with DG facilities as defined in this DG Manual which are solely for the purpose of emergency backup without intent to export power shall not operate their DG facilities at any time unless visibly disconnected from the Cooperative system. At its sole discretion, the Cooperative may require Member to install at his/her own expense an interlocking switch for the purpose of insuring the Member's facilities do not operate in parallel with the Cooperative's facilities.
- Should the Cooperative lose power serving the Member's DG facilities for any reason, Members with DG facilities shall not operate their DG facilities unless visibly disconnected from the Cooperative system.

5) Access

a) Persons authorized by the Cooperative will have the right to enter the Member's property for purposes of testing, operating the disconnect switch, reading or testing the metering equipment, maintaining right-of-way or other DG facility equipment and/or Cooperative service requirement. Such entry onto the Member's property may be without notice.

b) If the Member erects or maintains locked gates or other barriers, the Member will furnish the Cooperative with convenient means to circumvent the barrier for immediate full access for the above-mentioned reasons.

6) <u>Liability for Injury and Damages</u>

- a) The Member assumes full responsibility for electric energy furnished by the Member and shall indemnify the Cooperative and/or its Power Supplier against and hold the Cooperative and/or its Power Supplier harmless from all claims for both injuries to persons, including death, and damages to property resulting therefrom.
- b) The Cooperative and/or its Power Supplier shall not be liable for either direct or consequential damages resulting from failures, interruptions, or voltage and waveform fluctuations occasioned by causes reasonably beyond the control of the Cooperative and/or its Power Supplier including, but not limited to, acts of God or public enemy, acts of terrorism, sabotage and/or vandalism, accidents, fire, explosion, labor troubles, strikes, order of any court or judge granted in any bona fide adverse legal proceeding or action, or any order of any commission, tribunal or governmental authority having jurisdiction. ALL PROVISIONS NOTWITHSTANDING, IN NO EVENT SHALL THE COOPERATIVE BE LIABLE TO THE MEMBER FOR ANY INTEREST, LOSS OF ANTICIPATED REVENUE, EARNINGS, PROFITS, OR INCREASED EXPENSE OF OPERATIONS, LOSS BY REASON OF SHUTDOWN OR NON-OPERATION OF MEMBER'S PREMISES OR INDIRECT, FACILITIES, OR **FOR ANY** INCIDENTAL, OR CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF OR RELATED, IN WHOLE OR PART, TO THIS AGREEMENT. THE COOPERATIVE SHALL NOT BE LIABLE IN ANY EVENT FOR CONSEQUENTIAL DAMAGES.
- c) The Member is solely responsible for insuring that the Member's facility complies with all applicable regulations including, but not limited to, laws, regulations, ordinances, Cooperative and Cooperative Power Supplier tariffs, policies and directives, and ERCOT rules, policies and directives.

7) <u>Metering/Monitoring</u>

- a) The Cooperative shall specify, install and own all metering equipment.
- b) Facilities \leq 20 kW The facility will be metered by one of the following methods, at the sole discretion of the Cooperative:
 - (i) Installing two meters, one measuring the flow of energy delivered by the Cooperative and one measuring the flow of energy from the Producer

(ii) Installing an electronic meter with forward and reverse registers, each measuring the flow of energy in a single direction

c) Facilities > 20 kW

- (i) Power transfer at the point of interconnection will be measured by metering equipment as installed and specified at the sole discretion of the Cooperative.
- (ii) There shall be no net metering.
- d) The meter shall be read at a time or times of month determined at the Cooperative's sole discretion for acquiring metering data. The Member shall provide the Cooperative an approved communications link at the Member's cost for this purpose if so requested by the Cooperative. The type of communications link and metering equipment measuring purchase of power by the Cooperative shall be installed and specified at the sole discretion of the Cooperative.
- e) The Cooperative may, at its sole discretion, require the Member to pay the Cooperative in advance for metering and monitoring equipment and installation expense.
- f) Meter testing shall follow the Cooperative's standard policy on metering, testing and accuracy.
- g) At its sole discretion, the Cooperative may meter the facility at primary or secondary level.

8) Notice of Change in Installation

- a) The Member will notify the Cooperative in writing thirty (30) days in advance of making any change affecting the characteristics, performance, or protection of the DG facility.
- b) If any modification undertaken by the Member will create or has created conditions which may be unsafe or adversely affect the Cooperative system, the Member shall immediately correct such conditions or be subject to immediate disconnection from the Cooperative system.
- c) Any change in the operating characteristics of the DG facility including, but not limited to, size of generator, total facility capacity, nature of facility, fuel source, site change, hours of operation, or type used, may, at the sole discretion of the Cooperative, require a new application process, including, but not limited to, application form, appropriate Agreement for Interconnection and Parallel Operation of DG, DG plan and DG plan review by the Cooperative.

9) <u>Testing and Record Keeping</u>

- a) The Member will test all aspects of the protection systems up to and including tripping of the generator and interconnection point at start-up and thereafter as required. Testing will verify all protective set points and relay/breaker trip timing and shall include procedures to functionally test all protective elements of the system. The Cooperative may witness the testing.
- b) The Member will maintain records of all maintenance activities, which the Cooperative may review at reasonable times.
- c) For systems greater than 99 kW, a log of generator operations shall be kept. At a minimum, the log shall include the date, generator time on, generator time off, and megawatt and megavar output. The Cooperative may review such logs at reasonable times.

10) Disconnection of Service

The Cooperative may, at its sole discretion, discontinue the interconnection of DG installations due to reasons such as safety concerns, reliability issues, power quality issues, breach of interconnection contract or any other issue, which the Cooperative considers to be a reasonable basis for such action.

11) Compliance with Laws, Rules and Tariffs

The DG installation owned and installed by the Member shall be installed and operated by Member subject to and in accordance with the terms and conditions set forth in the Cooperative's rules, regulations, bylaws, rates and tariffs, as amended from time to time, and, if applicable, approved by the Cooperative's Board of Directors, which are incorporated herein by reference, and in compliance with all applicable federal, state and local laws, regulations, zoning codes, building codes, safety rules, environmental restrictions, ordinances and regulations, including without limitation, Electric Reliability Council of Texas (ERCOT) Independent System Operator (ISO) directives and ERCOT guidelines, and in accordance with industry standard prudent engineering practices.

SECTION III – SERVICE RULES AND REGULATIONS

BARTLETT ELECTRIC COOPERATIVE, INC.

Electric Service

341. Distributed Generation

For the purpose of Sections 341A-341E of this tariff, the following definitions shall apply:

Applicant: Bartlett Electric Cooperative Member requesting an interconnection agreement and the parallel operation of DG facilities.

Avoided Energy Costs: The incremental costs to an electric utility of electric energy which, but for the purchase from the qualifying facility or qualifying facilities, such utility would generate itself or purchase from another source.

Contribution-in-aid-of-construction: A non-refundable Member contribution toward qualifying line extensions of Cooperative facilities to Member owned facilities. The amount required is set forth in the Cooperative's tariffs.

Cooperative's System: Those electric facilities owned, operated, and maintained by the Cooperative excluding those facilities owned, operated, and maintained by the Member divided by the point of delivery.

Day: A Day referred to herein shall mean a calendar day.

Disconnect Switch: A readily visible, accessible and lockable open point between the Member's DG Facilities and the Cooperative's source of power. It shall have full load break capability for all expected operating conditions.

Distributed Generation (DG): An electrical generation facility with 10 MW or less of capacity with a delivery voltage of 60 kilovolts or less located at the Member's point of delivery that may be connected in parallel with the Cooperative's utility system.

DG Facilities: Distributed Generation Facilities encompass all the equipment and control systems and wiring owned by the Member necessary to generate, modulate, monitor quality, connect, and disconnect electric energy in parallel with the Cooperative's utility system. A qualifying facility may include transmission lines and other equipment used for interconnection purposes (including transformers and switchyard equipment). Cooperative Revenue Metering is not included in the DG Facilities and is not owned nor operated by the Member.

DG Manual: A supplemental document to the Cooperative's Tariff providing guidelines and procedures for the process of making application, for providing the required information about, for requiring elements of design necessary to the safe operation of, ownership and liability of Distributed Generation Facilities.

DG Plan: Distributed Generation Plans are documents providing connection diagrams, equipment specifications, and electrical layouts describing the DG Facilities and physical locations.

ERCOT (**Electric Reliability Council of Texas**): The Electric Reliability Council of Texas operates the electric transmission grid.

Export Power: Electric energy produced for sale by DG facilities to the Cooperative.

IEEE 519: The Institute of Electrical and Electronic Engineers (IEEE) Standard outlining harmonic control on electric power systems.

IEEE 1547: The Institute of Electrical and Electronic Engineers Standard for Interconnecting Distributed Resources with Electric Power Systems. The standard was approved as an American National Standard in October 2003 and governs the means and ways of DG interconnection.

ISO (**Independent System Operator**): A Non-profit entity (effectively) that does not own transmission assets and that is responsible for operating the network reliably and economically. The ISO for Texas is ERCOT.

Interconnection: Interconnection occurs when DG facilities are constructed in such a manner as to tie the DG facilities to the Cooperative's facilities either directly or indirectly in a permanent or temporary manner.

Interconnection Agreement /Contract: The Interconnection Agreement or Contract as used herein shall refer to either the "Agreement for Interconnection and Parallel Operation of Distributed Generation: Renewable DG Producer" or "Agreement for Interconnection and Parallel Operation of Distributed Generation: Wholesale Producer" depending upon the classification and rate schedule of the connected Distributed Generation.

Interconnection Costs: The reasonable costs of connection, switching, metering, transmission, distribution, safety provisions and administrative costs incurred by the electric utility directly related to the installation and maintenance of the physical facilities necessary to permit interconnected operations with a qualifying facility, to the extent such costs are in excess of the corresponding costs which the electric utility would have incurred if it had not engaged in interconnected operations, but instead generated an equivalent amount of electric energy itself or purchased an equivalent amount of electric energy from other sources. Interconnection costs do not include any costs included in the calculation of avoided energy costs.

Member: The qualified entity or individual that has joined the Cooperative according to all the rules, regulations, and bylaws of the Cooperative.

Net Metering: The amount of total energy arising from the algebraic sum of the power flow from the Member's facilities and the power flow into the Member's facilities over a specified period of time.

Parallel Operation: Parallel operation occurs at any time when conditions exist where DG facilities are electrically connected to the Cooperative's facilities. An open switch when it is the only electrical point of connection does not allow parallel operation but does allow the possibility.

Point of Delivery: That point of connection separating the Cooperative's System from the Member owned electric facilities usually where the service drop is connected to the service entrance, where the connectors belong to the Cooperative.

Power Generating Installation: A qualifying small power production facility or a qualifying cogeneration facility under Subpart B of the Federal Energy Regulatory Commission's Regulations under Section 201 of the Public Utility Regulatory Policies Act of 1978 (or the latest version) including any generator, and associated equipment, wiring, protective devices, or switches owned or operated by Producer or Distributed Generation.

Power Quality: A set of boundaries for voltage, frequency, current, and harmonics that allow electrical systems to function in their intended manner without significant loss of performance or life.

Producer: A Member that owns or operates a qualified electric generation facility that produces electric energy for the purpose of selling wholesale electricity to the Cooperative, or to shave load.

Qualifying Facility: As defined by the Public Utility Regulatory Act of 1978 (PURPA), must have as its primary energy source biomass, waste, renewal resources or geothermal resources.

Qualifying Power Generating Installation: A small power production facility is a qualifying facility if it meets the criteria outlined in FERC Subpart B Section 292.204:

- (1) Meets the maximum size criteria specified in § 292.204(a);
- (2) Meets the fuel use criteria specified in § 292.204(b); and
- (3) Has filed with the Commission a notice of self-certification, pursuant to § 292.207(a); or has filed with the Commission an application for Commission certification, pursuant to § 292.207(b) (1), that has been granted.

Renewable Energy Technology: Renewable energy is energy generated from natural resources—such as sunlight, wind, rain, tides and geothermal heat—which are renewable (naturally replenished). Renewable energy technologies include solar power, wind power, hydroelectricity, micro hydro, biomass and biofuels.

Renewable DG Producer: A Producer that operates on-site Distributed Generation of 20 kW or less that produces power by the use of renewable energy technology that exclusively relies on an energy source that is naturally regenerated over a short time and derived directly from the sun, indirectly from the sun, or from moving water or other natural movements and mechanisms of the environment such as wind.

Stand-alone or isolated DG: A DG facility that is not connected in any way to the Cooperative's facilities or to any other electric facilities that may or may not interconnect with the Cooperative's facilities and provide electric energy to specific loads.

Synchronism: A system condition where the frequency, magnitude, and phase angle of two separate voltage waveforms from separate power sources match.

System Emergency: A condition on the Cooperative's system which is likely to result in imminent significant disruption of service to customers or is imminently likely to endanger life or property.

Wholesale Producer: A Producer that operates a Power Generating Installation other than a Renewable DG Producer.

A. Power Production and Generation

Sections 341A-341E of this tariff apply to the interconnection and parallel operation of all qualifying power generating installations with the purpose of selling wholesale electricity to the Cooperative, as well as electric service to such generating installations. Any member owning or operating a qualifying Power Generating Installation shall be referred to as "Producer". It is the intent of the Cooperative to allow Producers to install Distributed Generation provided the Producer's Distribution facility does not adversely affect the Cooperative. If any part of these sections shall be in conflict with any other provision of this tariff, these sections shall control. By agreement, the Cooperative and Producer may establish additional or different terms, conditions, or rates for the sale or purchase of electricity.

B. **Obtaining Interconnection**

Any Producer desiring to interconnect with the Cooperative's system shall meet the following requirements. These requirements are conditions precedent to any obligation of the Cooperative to interconnect or provide any form of electric utility service.

- 1. **Comply with the Tariff** -- Producer must meet all Cooperative membership and service requirements, apply for interconnection by completing an Application for Operation of Member Owned Generation (the form of which is contained in the Cooperative's DG Manual), provide an easement satisfactory to the Cooperative (if required by the Cooperative) and otherwise comply with the tariff of the Cooperative.
- 2. **Provide Information** At least six (6) weeks in advance of the date that interconnection is desired; Producer shall submit a plan showing the electric design of the generating installation including interconnection requirements, size, operational plans, and equipment for interconnection with the Cooperative's system. Producer shall also provide such additional information as may be required by the Cooperative. In the event the Producer's plan involves the use of non-standard equipment or design techniques, the Cooperative may require such plan be approved by a registered professional engineer.

Any review or acceptance of such plan by the Cooperative shall not impose any liability on the Cooperative and does not guarantee the adequacy of Producer's equipment to perform its intended function. The Cooperative disclaims any expertise or special knowledge relating to the design or performance of generating installations and does not warrant the efficiency, cost-effectiveness, safety, durability or reliability of generating installations.

3. **Pay for Extension of Cooperative's Facilities** -- Producer shall comply with conditions for extensions of the Cooperative's distribution system as may be determined by the Cooperative in accordance with the following extension policy:

If an extension of Cooperative's distribution system is required for sale or receipt of electric energy to or from a generating installation, whether or not in conjunction with another use, the Cooperative shall exercise prudent judgment in determining the conditions under which such extension will be made. Each case shall be viewed individually considering (1) cost to provide service, (2) longevity of the load, (3) annual load factor, (4) possibility of other loads developing along the proposed line extension, (5) longevity, capacity, and dependability of energy to be received by the Cooperative, (6) anticipated annual revenue, and (7) compatibility with planned system improvements.

The Cooperative may require Producer to pay a contribution-in-aid-of-construction that equals the amount of material and labor necessary to construct electric facilities to Producer and/or modifications to Cooperative's distribution system required as a result of Producer's equipment. The Cooperative may also require Producer to pay in advance for an Engineering Study to be conducted by the Cooperative's Engineering Consultant that will determine what if any modifications are required to the Cooperative's distribution system to accommodate Producer's equipment. If necessary, this Engineering Study will take a minimum of four (4) weeks.

- 4. **Provide Liability Insurance** -- Not required at this time but can be required at a future date at the sole discretion of the Cooperative.
- 5. **Sign Contract** -- Producer shall sign and deliver to the Cooperative an Agreement for Interconnection and Parallel Operation (the form of which is contained in the Cooperative's DG Manual).
- 6. **Complete Construction** -- Producer shall construct the power generating installation and install a disconnect switch and other protective equipment as may be required by the Cooperative to protect its personnel, facilities, and operations.

- 7. Comply with Laws, Policies, Standards, and Specifications -- Producer shall comply with Federal, State, and local laws, ordinances and regulations applicable to power generating installations. The Producer is responsible for and must follow the Cooperative's tariffs, line extension policies, the policies and procedures of the Cooperative's Power Supplier where applicable, and the policies and procedures of the Cooperative's transmission service provider where applicable. The producer is responsible for and must follow the current *Institute of Electrical and Electronics Engineers (IEEE) 1547 Standard Guide for Distribution Generation Interconnection*, other applicable IEEE standards, the current National Electric Code (NEC) 690, and applicable ANSI standards.
- 8. **Notify Cooperative** -- Producer shall notify the Cooperative in writing at least two (2) weeks in advance of energizing the power generating installation and permit the Cooperative to inspect and test protective equipment.
- 9. **Eliminate Conditions Preventing Interconnection** -- In the event that it comes to the attention of the Cooperative that there are conditions preventing safe interconnection and proper parallel operation, it shall notify the Producer and Producer shall not interconnect and/or initiate parallel operation until such conditions are corrected and Producer has provided at least two (2) weeks written notice to the Cooperative.

The foregoing are conditions precedent to any obligation of the Cooperative to interconnect or provide any form of electric utility service.

C. Parallel Operation

1. **Installation** -- With the exception of the Cooperative's meter(s), the Producer shall own and be solely responsible for all expense, installation, maintenance, and operation of the power generating installation at and beyond the point where the Producer's conductors contact Cooperative's conductors. The Producer's generating installation shall be designed and installed in accordance with applicable codes, regulations and prudent engineering practice.

After completion of interconnection requirements and prior to initiation of service, the Cooperative will conduct a final inspection of the facilities and interconnection to the Cooperative's system. In the event that the interconnection does not pass the inspection, the project will be turned down and must be re-inspected following the necessary corrections. Upon satisfactory final inspection, the Cooperative will initiate service to the Producer. The Cooperative's final inspection is intended as a means to safeguard the Cooperative's facilities and personnel. The Producer acknowledges and agrees that any review and acceptance of such plans, specifications, and other information by the Cooperative shall not impose any liability on the Cooperative and does not guarantee the adequacy of the Producer's equipment or generating facility to perform its intended function.

2. **Self Protected Generating Installation** -- The Producer will furnish, install, operate and maintain in good order and repair, all equipment necessary for the safe operation of the power generating installation in parallel with the Cooperative's electric distribution system. The equipment will have the capability to both establish and maintain synchronism with the Cooperative's system and to automatically disconnect and isolate the generating installation from the Cooperative's system in the event of an outage of the Cooperative or a malfunction of the power generating installation.

The Producer's power generating installation will also be designed, installed and maintained to be protected from normal and abnormal conditions in the Cooperative's electric distribution system. The conditions for which the power generating installation shall be self-protected shall include, but not be limited to: overvoltage, undervoltage, overcurrent, frequency deviation, lightning and faults. The self-protection will be compatible with the Cooperative's system protection arrangements and operating policies. Specialized protective functions may be required by the Cooperative when, in the sole judgment of the Cooperative, the particular generating installation characteristics and/or distribution system characteristics so warrant.

3. **Quality of Service** -- Producer's generating installation will generate power at the nominal voltage of the Cooperative's electric distribution system at the Producer's delivery point as defined by ANSI C84.1 and at the nominal system frequency of 60 Hz within the tolerances as defined by IEEE 1547. Producer shall generate at a power factor that is as near one hundred percent (100%) as is practicable but not leading. In the event that the power factor is less than ninety-seven percent (97%) lagging or leading, the Producer will provide proper power factor correction or reimburse the Cooperative for the cost of any necessary correction.

The overall quality of the power provided by Producer including, but not limited to, the effects of harmonic distortion, voltage regulation, voltage flicker, switching surges and power factor, will be such that the Cooperative's electric distribution system is not adversely affected in any manner. In the event that adverse effects are caused in whole or in part by Producer's power generating installation, the Producer will correct the cause of such effects or reimburse the Cooperative for the cost of any required correction.

The Cooperative may, at its sole discretion, prevent the interconnection or disconnect the interconnection of generating facilities due to reasons such as safety concerns, reliability issues, power quality issues, breach of interconnection contract or any other reasonable issue. Any disconnection may be without prior notice.

4. **Safety Disconnect** -- A Renewable DG Producer shall install, at Producer's expense, inverters with specifications and test standards UL 1741-1999 (or latest version) to provide isolation. In addition, a main disconnect switch will be installed by the Producer to provide a means of disconnection.

A Wholesale Producer, or at the Wholesale Producer's option, the Cooperative, shall provide and install, at the Wholesale Producer's expense, a visible, remotely SCADA-controlled, motor-operated, air-break disconnect switch, a radio for remote communication to the Cooperative Control Center, and remote terminal unit (RTU) compatible to the Cooperative SCADA.

For all interconnected systems, the disconnect switch will be located so as to be readily accessible to Cooperative personnel in a location acceptable to both the Producer and the Cooperative. It shall be the type of switch which can be secured in an open position by a Cooperative padlock. The Cooperative shall have the right to lock the switch open whenever, in the judgment of the Cooperative, (1) it is necessary to maintain safe electrical operating maintenance conditions, (2) the Producer's power generating installation adversely affects the Cooperative's electric distribution system, or (3) there is a system emergency or other abnormal operating condition which warrants disconnection.

The Cooperative reserves the right to operate the disconnect switch for the protection for the Cooperative's system even if it affects Producer's power generating installation. In the event the Cooperative opens and closes the disconnect switch, it shall not be responsible for energization or restoration of parallel operation of the generating installation. The Cooperative will make reasonable efforts to notify the Producer in the event the disconnect switch has been operated. The Producer will not bypass the disconnect switch at any time for any reason.

- 5. **Access** -- Persons authorized by the Cooperative will have the right to enter the Producer's property for the purpose of operating or inspecting the disconnect switch or metering. Such entry onto the Producer's property may be without notice. If the Producer erects or maintains locked gates or other barriers, the Producer will furnish the Cooperative with convenient means to circumvent the barrier for access to the disconnect switch and meter(s).
- 6. **Modifications of Cooperative System** -- In the event that it is necessary at the time of initial interconnection or at some future time for the Cooperative to modify its electric distribution system in order to purchase or continue to purchase Producer's output, the Producer will reimburse the Cooperative for all just and reasonable costs of modifications which are allocable to the Producer's Power Generating Installation.

The modifications may include, but are not limited to, special interconnection equipment, protective devices, control devices and/or upgrading of distribution system components. In addition, in the event the Cooperative at any time in the future changes primary voltage of facilities serving the generating facility such that metering equipment, transformers, and/or any other Producer-owned equipment must

be changed to continue receiving service at the new primary voltage level, the full cost of the change will be borne by the Producer.

7. **Liability for Injury and Damages** -- Producer assumes full responsibility for electric energy furnished to same, at and past, the point of interconnection. Producer also will indemnify the Cooperative against, and hold the Cooperative harmless from, all claims for both injuries to persons, including death resulting therefrom, and damages to property occurring upon the premises owned or operated by Producer arising from electric power and energy delivered by Cooperative or in any way arising directly or indirectly from Producer's generating installation except (1) when the negligence of Cooperative or its agent or agents was the sole proximate cause of injuries, including death therefrom, to Producer or to employees of Producer or in the case of a residential Producer, to all members of the household; and (2) as to all other injuries and damages, to the extent that injuries or damages are proximately caused by, or result in whole or in part from (a) any negligence of Cooperative or its agent(s), independent of and unrelated to the maintenance of Cooperative's facilities or any condition on Producer's premises or (b) the breach by Cooperative of any provision of any contract regarding purchase and/or sale of electrical energy or service between Cooperative and Producer.

The Cooperative shall not be liable for either direct or consequential damages resulting from failures, interruptions, voltage, and direct or waveform fluctuations occasioned by causes reasonably beyond the control of the Cooperative, including, but not limited to, acts of God or public enemy, sabotage and/or vandalism, accidents, fire, explosion, labor troubles, strikes, order of any court or judge granted in any bona fide adverse legal proceeding or action, or any order of any commission, tribunal or governmental authority having jurisdiction.

For claims resulting from failures, interruptions, or voltage and waveform fluctuations occasioned in whole or in part by the negligence of the Cooperative, or its agent(s), the Cooperative shall be liable only for that portion of the damages arising from personal injury, death of persons, or costs of necessary repairs to or reasonable replacement of electrical equipment proximity caused by the negligent acts of the Cooperative or its agent(s). The Cooperative shall not be liable in any event for consequential damages.

8. **Metering** -- Any necessary meters or meter modification will be installed, maintained and operated by the Cooperative at the Producer's expense.

A connection will be provided for the meter(s) at the Producer's expense in a location that is acceptable to both the Cooperative and the Producer. The Cooperative may, at its own expense, supply, install and maintain load research metering for the purpose of monitoring and evaluating the Producer's generating installation.

The Cooperative shall specify, install and own all metering equipment. The facility will be metered by one of the following methods, at the sole discretion of the Cooperative:

- a. Installing one meter with two registers, each measuring the flow of energy in a single direction
- b. Install two meters; one measuring energy delivered by the Cooperative and one measuring energy from the Producer.

The meter(s) will, by comparison with accurate standards, be tested and calibrated as often as necessary. The Producer or the Cooperative may reasonably request such tests, and shall be given notice of not less than five (5) working days when such tests are to be made. Both the Producer and the Cooperative will have the right to be present at such tests. If a meter is found to be inaccurate, it shall be restored to an accurate condition or replaced. If the tests disclose that no unacceptable inaccuracies exist in the meter(s), then the party requesting the tests shall bear the expense of the tests. A report of the results of any tests shall be furnished promptly by the party making such tests to the other party. Any meter(s) registering a deviation of not more than two percent (2%) from normal shall be deemed accurate. The readings of any meter(s) which have been inaccurate shall be corrected according to the percentage of inaccuracy as determined by the tests for a period of no more than ninety (90) days prior to the tests. If any meter fails to register for any period, the facility output during such period shall be estimated in the best manner possible as agreed upon by the Cooperative and the Producer.

- 9. **Notice of Change in Installation** -- Producer will notify the Cooperative in writing fourteen (14) days in advance of making any change affecting the characteristics, performance, or protection of the generating installation. If it comes to the Cooperative's attention that the modification will create or has created conditions which may be unsafe or adversely affect the Cooperative's system then it shall notify Producer and Producer shall immediately correct such condition.
- 10. **Insurance** -- Not required at this time but can be required at a future date at the sole discretion of the Cooperative.
- 11. **Disconnection of Service** -- The Cooperative may at its sole discretion discontinue the interconnection of Power Generating Installations due to reasons such as safety concerns, reliability issues, power quality issues, breach of interconnection contract, or any other reasonable issue.

D. Sales to Producers

Producer's rate classification shall be designated by the Cooperative in accordance with the availability and type of service provisions in its rate schedules for all service. The Cooperative shall bill the Producer for the full energy used by the Producer during each billing period according to the Cooperative's applicable retail rate schedule.

E. Purchases from Producer

1. Purchases from Producer

- a. Effective with the January 2023 billing, the Cooperative will grandfather in Producers that were connected before December 31, 2022 for one year and will pay a Renewable DG Producer on a monthly basis for all the metered kWh output (if any) from the Renewable DG Producer above and beyond that was used by the Renewable DG Producer. The price paid by the Cooperative will be the Cooperative's avoided energy cost of wholesale energy for generation. The Cooperative will pay Renewable DG Producers connected after January 1, 2023 on a monthly basis for all the metered kWh output (if any) from the Renewable DG Producer. The price paid by the Cooperative will be the Cooperative's avoided energy cost of wholesale energy for generation.
- b. The Cooperative will pay a Wholesale Producer on a monthly basis for the energy supplied by the Wholesale Producer to the Cooperative. The rate paid by the Cooperative to the Wholesale Producer that owns a Qualifying Facility shall be the Cooperative's avoided energy cost of wholesale energy for generation. The rate paid by the Cooperative to the Wholesale Producer that does not own a Qualifying Facility shall be a negotiated rate.
- 2. **Refusal to Purchase** -- The Cooperative may, at certain times and as operating conditions warrant, reasonably refuse to accept part or all of the output of the Producer's facility. Such refusal shall be based on system emergency constraints, special operating requirements, changes in wholesale generation contractual requirements, and adverse effects of the Producer's facility on the Cooperative's system or violation by the producer of the terms of the Agreement for Interconnection and Parallel Operation. The Cooperative shall not be required to make any purchases that will cause the Cooperative to no longer be in compliance with any applicable contracts or all-power contract requirements with the Cooperative's power supplier(s).

BARTLETT ELECTRIC COOPERATIVE, INC.

APPLICATION FOR OPERATION OF MEMBER OWNED GENERATION

This application should be completed as soon as possible and returned to the Bartlett Electric Cooperative, Inc. (c/o Engineering Services Supervisor) in order to begin processing the request. See Distributed Generation Tariff and Distributed Generation Procedures and Guidelines Manual for Members for additional information.

INFORMATION: This application is used by the Cooperative to determine the required equipment configuration for the Applicant interface. Every effort should be made to supply as much information as possible. <u>Please print or type legibly.</u>

PART 1

OWNER/APPLICANT INFORMATION

Coop Member or Compar	ny Name:		
Mailing Address:			
City:	County:	State:	Zip Code:
Phone Number:	Representati	ive (if company):	
TYPE OF GENERATO	R (as applicable)		
A. Small Renewable ≤ 20	kW		
Photovoltaic	Wind_	Other (de	escribe)
B. Combustion Distribut Micro Turbine Diesel Engine PROJECT DESIGN/EN		Gas EngineTu	urbine Other
Company:			
Mailing Address:			
City:	County:	State:	Zip Code:
Phone Number:			
ELECTRICAL CONTE			
Mailing Address:			
City:	County:	State:	Zip Code:
		Representative:	

ESTIMATED LOAD INFORMATION

The following information will be interconnection. This information is			
Total DG AC Output(kW)			
Mode of Operation (check all that Isolated Paralleling		ort	
DESCRIPTION OF PROPOSED	INSTALLATION A	AND OPERATION	
Give a general description of the progenerator.	-	ncluding when you plan to	•
	PART 2		
(Complete all applicable items. Copy	y this page as require	ed for additional generator	s.)
SYNCHRONOUS GENERATOR			
Unit Number: Total number			
Manufacturer: Date of manu			
Type: Date of manu	facture:		
Serial Number (each):	D D M	F (II.)	
Phases: Single Three	_ R.P.M.:	Frequency (Hz):	
Rated Output (for one unit):	Kilowatt _	Kilovoit-Ampe	ere
Rated Power Factor (%):	_		
Field Volts:Field Amps:_			
Synchronous Reactance (X'd):			
Transient Reactance (X'd):			
Subtransient Reactance (X'd):	% C	on	KVA base
Negative Sequence Reactance (Xs):	% C	on	kvA base
Zero Sequence Reactance (Xo): Neutral Grounding Resistor (if appli	% c cable):	on	KVA base
2			
I ₂ ^{*t} of K (heating time constant):			
Additional Information:			

INDUCTION GENERATOR DATE	ΓΑ	
Rotor Resistance (Rr):	ohms Stator Resistance (Rs):	ohms
Rotor Reactance (Xr):	ohms Stator Reactance (Xs):	ohms
Magnetizing Reactance (Xm):	ohms Short Circuit Reactance (Xd"):	ohms
Design letter:	Frame Size:	
Exciting Current:	Temp Rise (deg C°):	
Reactive Power Required:	Vars (no load), Vars	(full load)
Additional Information:		
PRIME MOVER (Complete all appunit Number: Type:	plicable items)	
Manufacturer:		
Serial Number:	_ Date of manufacturer:	
H.P. Rates: H.P. Max.:	Inertia Constant:	lbft ²
Energy Source (hydro, steam, wind,	etc.)	
Manufacturer:	_ Date of manufacturer:	1?
	% on	
Transformer Reactance (X):	% on1	kVA base
Neutral Grounding Resistor (if appli	cable:	
· · · · · · · · · · · · · · · · · · ·	(typical for small renewable wind and solar) Model: Voltage (Volts): Rated Amperes:	
Inverter Type (ferroresonant, step, p		
	cal for utility interactive; meets IEEE 1547)	
	ngle Harmonic (%)	
Maximum To	tal Harmonic (%)	
NT - A - 1 11 11 11 1 1 1 1 1	1 11 1	

POWER CIRCUIT	BREAKER	(if applicable)				
Manufacturer:						
Rated Voltage (kilove	olts):		Rate	d amp	acity (Ampe	eres)
Interrupting rating (Amperes): BIL Rating				,		
Interrupting rating (Amperes):BIL RatingInterrupting medium / insulating medium (ex. Vacuum, gas, oil)/						
Control Voltage (Clo	sing):	(Volts)	AC	DC		
Control Voltage (Trip	oping):	(Volts)	AC	DC	Battery	Charged Capacitor
Close energy: Sprin	ig Motor	Hydraulic	Pneum	atic	Other:	
Trip energy: Sprin	g Motor	Hydraulic	Pneum	atic	Other:	
Bushing Current Tran	isformers:	(M	ax. ratio)	Relay	Accuracy C	Class:
Multi Ratio? No Yes:	(available ta	ps)				
ADDITIONAL INF	ORMATION	N				
non-refundable DG A existing Cooperative cost to upgrade these before construction b SIGN OFF AREA The applicant agrees	Application For facilities are facilities must egins. to provide the in the review	ee must be pa not adequate st be paid as a ne Cooperativ of this Applic	id before to serve non-refu e with an	this A the production that	pplication is roposed DG e contribution itional information complete	on. Additionally, a \$200 is processed. However, if facilities the additional on-in-aid-of-construction mation requested by the the interconnection. The Cooperative.
Applicant (signature)				Date	e	
Applicant (printed/ty) BARTLETT ELEC' SUBMISSION AND	TRIC COOP	,		NTAC	CT FOR AP	PLICATION
		~ . ~				
Cooperative contact:		-	ervisor			
Address:	27492 High	•				
	Bartlett, Tex	(as /6511				
Phone:	254-527-355	51				
Fax:	254-527-322					
	1 1 1 1					

BARTLETT ELECTRIC COOPERATIVE, INC

COOPERATIVE AGREEMENT FOR INTERCONNECTION AND PARALLEL OPERATION OF DISTRIBUTED GENERATION ("Interconnection Agreement")

SHORT FORM CONTRACT

This Interconnection Agreement ("Agreement") is made and entered into this day of
, 20, ("Effective Date") by Bartlett Electric Cooperative, Inc.,
("Cooperative"), a corporation organized under the laws of Texas, and
("DG Owner/Operator"), 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, the Parties agree as follows:
The provisions of the Cooperative's Distributed Generation Tariff ("DG Tariff") shall be considered to be a part of this contract.
This agreement provides for the safe and orderly operation of the DG Owner/Operator's electrical facilities and the interconnection of the DG Owner/Operator's facility(ies) (collectively "Facility")
atand the electrical
and the electrical
distribution system ("System") owned by the Cooperative.

This Agreement does not supersede any requirements of any applicable tariffs in place between the DG Owner/Operator and the Cooperative.

1. **Intent of Parties**: It is the intent of the DG Owner/Operator to interconnect an electric power generator to the Cooperative's electrical distribution system.

It is the intent of the Cooperative to operate the distribution system to maintain a high level of service to its customers and to maintain a high level of power quality.

It is the intent of both parties to operate in a way that helps ensure the safety of the public and respective employees.

- 2. **Establishment of Point of Interconnection -** The point where the electric energy first leaves the wires or facilities of the system owned by the Cooperative and enters the wires or facilities of the Facility provided by DG Owner/Operator is the "Point of Interconnection." Cooperative and DG Owner/Operator agree to interconnect the Facilities at the Point of Interconnection in accordance with the Cooperative's DG Tariff.
- 3. **Operating authority**: The DG Owner/Operator is responsible for establishing operating procedures and standards within their organization. The operating authority for the DG Owner/Operator and its operating authority shall ensure that the Operator in Charge of the generator constituting a part of the Facility is competent in the operation of the electrical generation system and is aware of the provisions of any operating agreements and regulations relating to the safe operation of electrical power systems.

SHOLVE OLIM COMPACT	12000001111101110 2 1050 2 11
The operating authority for the DG Owner/Operator is:	
Name or title of operating authority	<u> </u>
Address	_
Phone number	_
4. Operator in Charge : The Operator in Charge is the person identified by nar the real time operation of the Facility owned or leased by the DG Owner/Opera	
The Operator in Charge for the DG Owner/Operator is:	
Name or title of operating authority	_
Address	_
Phone number	

5. Limitation of Liability and Indemnification:

- a. Notwithstanding any other provision in this Agreement, with respect to the Cooperative's provision of electric service to DG Owner/Operator and the services provided by the Cooperative pursuant to this Agreement, Cooperative's liability to DG Owner/Operator shall be limited as set forth in the Cooperative's tariffs and terms and conditions for electric service, which are incorporated herein by reference.
- b. Neither Cooperative nor DG Owner/Operator shall be liable to the other for damages resulting from a Force Majeure event as hereinafter defined.
- c. Notwithstanding Paragraph 5.b of this Agreement, the DG Owner/Operator shall assume all liability for, and shall indemnify and hold harmless Cooperative for, any claims, losses, damages, liabilities, costs, and expenses of any kind or character to the extent that they result from DG Owner/Operator's negligence or other wrongful conduct (including the negligence or wrongful conduct of DG Owner/Operator's operators and their agents, employees, or contractors) in connection with the design, construction or operation of the Facilities. Such indemnity shall include, but is not limited to, financial responsibility for (a) monetary losses; (b) reasonable costs and expenses of defending an action or claim; (c) damages related to death or injury; (d) damages to property; and (e) damages for the disruption of business.
- d. Cooperative and DG Owner/Operator shall each be responsible for the safe installation, maintenance, repair and condition of their respective lines, wires, switches, or other equipment or property on their respective sides of the Point of Interconnection. The Cooperative, while retaining the right to inspect, does not assume any duty of inspecting the DG Owner/Operator's lines, wires, switches, or other equipment or property and will not be responsible therefore. DG Owner/Operator assumes all responsibility for the electric service supplied hereunder and the facilities used in connection therewith.
- e. For the mutual protection of the DG Owner/Operator and the Cooperative, only with the Cooperative's prior written authorization are the connections between the Cooperative's service wires and the DG Owner/Operator's service entrance conductors to be energized.
- f. The provisions of this Section 5 shall survive any termination of this Agreement.

- 6. **Metering:** Metering shall be accomplished as described in the Cooperative's DG Tariff.
- 7. **Insurance:** Insurance shall be required as described in the Cooperative's DG Tariff.
- 8. **Suspension of Interconnection**: It is intended that the interconnection should not compromise the Cooperative's protection or operational requirements. The operation of the DG Owner/Operator's Facility and the quality of electric energy supplied by the DG Owner/Operator shall meet the standards as specified by the Cooperative. If the operation of the DG Owner/Operator's Facility or quality of electric energy supplied (in the case of power export) does not meet the standards as specified, then the DG Owner/Operator shall take reasonable and expedient corrective action, including any such corrective action as requested by the Cooperative. The Cooperative shall have the right to disconnect the DG Owner/Operator's Facility, until compliance is reasonably demonstrated. Notwithstanding, the Cooperative may in its sole discretion disconnect the DG Owner/Operator's Facility from the distribution system without notice if the operating of the Generating Plant may be or may become dangerous to life and property.
- 9. Compliance with Laws, Rules and Tariffs: Both the Cooperative and the DG Owner/Operator shall be responsible for complying with all applicable laws, rules and regulations, including but not limited to the laws of the state of Texas, and the Cooperative's DG Tariff, other Tariffs, Rules and Regulations, By-Laws and other governing documents. The interconnection and services provided under this Agreement shall at all times be subject to the terms and conditions set forth in the tariff schedules and rules of the Cooperative as applicable to the electric service provided by the Cooperative, which tariffs and rules are hereby incorporated into this Agreement by this reference. The Cooperative shall have the right to publish changes in rates, classification, service or rule, with the proper notification to all DG owners/operators and Cooperative members.
- 10. **Maintenance Outages**: Maintenance outages will occasionally be required on the Cooperative's system, and the Cooperative will provide reasonable notice and planning as practicable to minimize downtime. It is noted that in some emergency cases such notice may not be reasonably possible. Compensation will not be made for unavailability of Cooperative's system due to outages.
- 11. **Access**: Access is granted as may be required by the Cooperative to the DG Owner/Operator's Facility for maintenance, operating and meter reading. The Cooperative reserves the right, but not the obligation, to inspect the DG Owner/Operator's Facility.
- 12. **Force Majeure:** For the purposes of this Agreement, a Force Majeure event is any event:
- (a) that is beyond the reasonable control of the affected party; and
- (b) that the affected Party is unable to prevent or provide against by exercising reasonable diligence, including the following events or circumstances, but only to the extent that they satisfy the preceding requirements: acts of war, acts of terrorism, public disorder, rebellion or insurrection; floods, hurricanes, earthquakes, lighting, 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

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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 if a Force Majeure event prevents a Party from fulfilling such performance of obligations but will use reasonable efforts to resume its performance as soon as possible.

- 13. **Assignment -** At any time during the term of this Agreement, the DG Owner/Operator may assign this Agreement to a corporation, an entity with limited liability or an individual (the "Assignee"), provided that the DG Owner/Operator obtains the prior written consent of the Cooperative in advance of the assignment. The Cooperative's consent will be at the Cooperative's discretion based on whether or not the Cooperative determines that the Assignee is financially and technically capable to assume ownership and/or operation of the DG unit. The company or individual to which this Agreement is assigned in accordance with the terms and conditions of this Agreement will be responsible for the proper operation and maintenance of the DG Facilities, and will be a party to all provisions of this Agreement.
- 14. **Term**: The term of this Agreement is a period of two (2) years from the Effective Date ("Initial Term"). This Agreement shall automatically renew in (1) year increments after the Initial Term unless terminated sooner. This Agreement may be canceled by either party with 30 days prior written notice to the other party during the Initial Term or any renewal period.

AUREED TO BT:	
DG Owner/Operator	Cooperative
Name	Name
Title	Title
Date Signed	Date Signed

BARTLETT ELECTRIC COOPERATIVE, INC

COOPERATIVE AGREEMENT FOR INTERCONNECTION AND PARALLEL OPERATION OF DISTRIBUTED GENERATION ("Interconnection Agreement")

LONG FORM CONTRACT

This Interconnection Agreement ("Agreement") is made and entered into this day of
, 20, ("Effective Date") by Bartlett Electric Cooperative, Inc.,
("Cooperative"), a corporation organized under the laws of Texas, and
("DG Owner/Operator"), 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, the Parties agree as follows:
of the mutual covenants set forth herein, the fairnes agree as follows.
The provisions of the Cooperative's Distributed Generation Tariff ("DG Tariff") shall be considere
to be a part of this contract.
to be a part of this contract.
This agreement provides for the safe and orderly operation of the DG Owner/Operator's electrical
facilities and the interconnection of the DG Owner/Operator's facility(ies) (collectively "Facility")
at and the electrica
distribution system ("System") owned by the Cooperative.
distribution system (System) owned by the Cooperative.
This Agreement does not supersede any requirements of any applicable tariffs in place between the
DG Owner/Operator and the Cooperative.
DG Owner/Operator and the Cooperative.
1. Scope of Agreement – This Agreement is applicable to conditions under which the Cooperativ
and the DG Owner/Operator agree that one or more generating facilities (described in Exhibit A
owned by the DG Owner/Operator of kW or less, to be interconnected at kV or less
("Facilities") may be interconnected to the Cooperative's electric power distribution system
("System").

- 2. **Establishment of Point of Interconnection** The point where the electric energy first leaves the wires or facilities owned by the Cooperative and enters the wires or facilities provided by DG Owner/Operator is the "Point of Interconnection." Cooperative and DG Owner/Operator agree to interconnect the Facilities at the Point of Interconnection in accordance with the Cooperative's rules, regulations, by-laws, rates, and tariffs (the "Rules") which are incorporated herein by reference. The interconnection equipment installed by the DG Owner/Operator ("Interconnection Facilities") shall be in accordance with the Rules as well.
- 3. Responsibilities of Cooperative and DG Owner/Operator for Installation, Operation and Maintenance of Facilities DG Owner/Operator will, at its own cost and expense, install, operate, maintain, repair, and inspect, and shall be fully responsible for, its Facilities and Interconnection Facilities, unless otherwise specified on Exhibit A. DG Owner/Operator shall conduct operations of its Facilities and Interconnection Facilities in compliance with all aspects of the Rules and in accordance with industry standard prudent engineering practice. The Cooperative shall conduct operations of its electric distribution facilities in compliance with all aspects of the Rules, or as further described and mutually agreed to in the applicable Facilities Schedule attached hereto as

Exhibit A. Maintenance of Facilities and Interconnection Facilities shall be performed in accordance with the applicable manufacturers' recommended maintenance schedule. The DG Owner/Operator agrees to cause its Facilities and Interconnection Facilities to be constructed in accordance with the Rules and specifications equal to or better than those provided by the National Electrical Safety Code and the National Electrical Code, both codes approved by the American National Standards Institute, in effect at the time of construction.

The DG Owner/Operator covenants and agrees to cause the design, installation, maintenance, and operation of, its Facilities and Interconnection Facilities so as to reasonably minimize the likelihood of a malfunction or other disturbance, damaging or otherwise affecting or impairing the System. DG Owner/Operator shall comply with all applicable laws, regulations, zoning codes, building codes, safety rules and environmental restrictions applicable to the design, installation, operation and maintenance of its Facilities and Interconnection Facilities.

Cooperative will notify DG Owner/Operator if there is evidence that the Facilities' or Interconnection Facilities' operation causes disruption or deterioration of service to other customers served from the System or if the Facilities' or Interconnection Facilities' operation causes damage to the System. DG Owner/Operator will notify the Cooperative of any emergency or hazardous condition or occurrence with the DG Owner/Operator's Facilities or Interconnection Facilities, which could affect safe operation of the System.

- 4. **Operator in Charge** The DG Owner/Operator shall each identify an individual (by name or title) who will perform as "Operator in Charge" of the Facilities and the DG Owner/Operator portion of the Interconnection Facilities. This individual must be familiar with this Agreement as well as provisions of the Rules and any other agreements or regulations that may apply.
- 5. **Power Sales to Cooperative** Interconnection of the Facilities with the System does not grant the DG Owner/Operator the right to export power nor does it constitute an agreement by the Cooperative to purchase or wheel excess power.¹

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 DG Owner/Operator and the services provided by the Cooperative pursuant to this Agreement, Cooperative's liability to DG Owner/Operator shall be limited as set forth in the Cooperative's tariffs and terms and conditions for electric service, which are incorporated herein by reference.
- b. The provisions of this Section 6 shall survive any termination of this Agreement.

¹ If the DG Owner/Operator wishes to export power, separate agreements must be in place for power purchase and for wheeling.

- c. For the purposes of this Agreement, a Force Majeure event is any event: (a) that is beyond the reasonable control of the affected party; and (b) that the affected party is unable to prevent or provide against by exercising reasonable diligence, including the following events or circumstances, but only to the extent that they satisfy the preceding requirements: acts of war, public disorder, rebellion or insurrection; floods, hurricanes, earthquakes, lighting, 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 but will use reasonable efforts to resume its performance as soon as possible.
- d. Notwithstanding Paragraph 6.c of this Agreement, the DG Owner/Operator shall assume all liability for and shall indemnify the Cooperative and its members, trustees, directors, officers, managers, employees, agents, representatives, affiliates, successors and assigns for and shall hold them harmless from and against any claims, losses, costs, and expenses of any kind or character to the extent that they result from DG Owner/Operator's negligence or other wrongful conduct in connection with the design, construction, installation, operation or maintenance of the Facilities or Interconnection Facilities. Such indemnity shall include, but is not limited to, financial responsibility for (a) monetary losses; (b) reasonable costs and expenses of defending an action or claim; (c) damages related to death or injury; (d) damages to property; and (e) damages for the disruption of business.
- e. Cooperative and DG Owner/Operator shall each be responsible for the safe installation, maintenance, repair and condition of their respective lines, wires, switches, or other equipment or property on their respective sides of the Point of Interconnection. The Cooperative does not assume any duty of inspecting the DG Owner/Operator's lines, wires, switches, or other equipment or property and will not be responsible therefore. DG Owner/Operator assumes all responsibility for the electric service supplied hereunder and the facilities used in connection therewith at or beyond the Point of Interconnection.
- f. For the mutual protection of the DG Owner/Operator and the Cooperative, only with Cooperative prior written authorization are the connections between the Cooperative's service wires and the DG Owner/Operator's service entrance conductors to be energized.
- 7. **Testing and Testing Records** The DG Owner/Operator shall provide to the Cooperative all records of testing. Testing of protection systems for intermediate and large units shall be limited to records of compliance with standard acceptance procedures and by industry standards and practices. These records shall include testing at the start of commercial operation and periodic testing thereafter. Factory testing of pre-packaged Interconnection Facilities and the protective systems of small units shall be acceptable. In the case of a factory test, the DG Owner/Operator needs to 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, the settings of the equipment being installed are to be approved by the Cooperative prior to DG operation.

8. **Right of Access, Equipment Installation, Removal & Inspection** – The Cooperative may send an employee, agent or contractor to the premises of the DG Owner/Operator at any time whether before, during or after the time the Facilities first produce energy to inspect the Facilities and Interconnection Facilities, and observe the Facility's installation, commissioning (including any testing), startup, operation, and maintenance.

At any time Cooperative shall have access to DG Owner/Operator's premises for any reasonable purpose in connection with the interconnection described in this Agreement, the Rules, or to provide service to its customers.

9. Disconnection of Facilities – DG Owner/Operator retains the option to disconnect its Facilities from the System, provided that DG Owner/Operator notifies the Cooperative of its intent to disconnect by giving the Cooperative at least thirty (30) days' prior written notice. Such disconnection shall not be a termination of this Agreement unless DG Owner/Operator exercises rights under Section 11 that do not lead to a resolution of the issue.

DG Owner/Operator shall disconnect Facilities from the System upon the effective date of any termination resulting from and required by actions under Section 11.

Cooperative shall have the right to disconnect or cause the DG Owner/Operator to disconnect the Facilities from the System and suspend service in cases where continuance of service to DG Owner/Operator will endanger persons or property. During the forced outage of the System serving DG Owner/Operator, Cooperative shall have the right to suspend service and disconnect or cause the DG Owner/Operator to disconnect the Facilities from the System to effect repairs on the System, but the Cooperative shall use its reasonable efforts to provide the DG Owner/Operator with reasonable prior notice.

- 10. **Metering** The Cooperative shall purchase, own, install and maintain such metering equipment as may be necessary to meter the electrical output of the Facilities in accordance with Section 9. All costs associated therewith shall be borne by the DG Owner/Operator. Metering shall meet accuracy standards required for equivalent electrical services and can be done with standard meters or any devices that meet data collection and accuracy requirements. For Facilities greater than 99 kW, telemetry may be required by Cooperative to monitor real-time output and other DG functions for large and medium generators that are operated remotely². Telemetry data shall be available to the Cooperative and the communication of such data shall be compatible with the Cooperative's communication methods.
- 11. **Insurance** Not required at this time but can be required at a future date at the sole discretion of the Cooperative.

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² Telemetry is not required if it is prevented via protective relaying from injecting energy into the Cooperative distribution system.

- 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) DG Owner/Operator may terminate this Agreement at any time by giving the Cooperative at least sixty (60) days' written notice; (b) Cooperative may terminate upon failure by the DG Owner/Operator to generate energy from the Facilities within six (6) months after completion of the interconnection; (c) either Party may terminate by giving the other Party at least thirty (30) 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, tariff, 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 DG Owner/Operator at least sixty (60) days notice in the event that there is a material change in an applicable law, or any requirement of the Cooperative's wholesale electric suppliers or of any transmission utility, independent system operator or regional transmission organization having responsibility for the operation of any part of the System.
- 13. **Compliance with Laws, Rules and Tariffs** Both the Cooperative and the DG Owner/Operator shall be responsible for complying with the laws of the state of Texas, and the Rules. The interconnection and services provided under this Agreement shall at all times be subject to the terms and conditions set forth in the Rules, which Rules are hereby incorporated into this Agreement by this reference. The Cooperative shall have the right to publish changes in any of the Rules at any time.
- 14. **Severability** 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.
- 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 and Prior Agreements Superseded This Agreement, including the Rules and all 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 of the Parties 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 the DG Owner/Operator application, or other written information provided by the DG Owner/Operator in compliance with the Rules. It is expressly acknowledged that the Parties may have other agreements covering other services not expressly provided for herein, which agreements are unaffected by this Agreement.

- 17. **Assignment** At any time during the term of this Agreement, the DG Owner/Operator may assign this Agreement to a corporation, an entity with limited liability or an individual (the "Assignee") to whom the DG Owner/Operator transfers ownership of the Facilities; provided that the DG Owner/Operator obtains the consent of the Cooperative in advance of the assignment. The Cooperative's consent will be based on a determination that the Assignee is financially and technically capable to assume ownership and/or operation of the Facilities, which will not be unreasonably withheld. The company or individual to which this Agreement is assigned 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 also assign the Agreement to another entity with the written approval of the DG Owner/Operator.
- 18. **Notices** Notices given under this Agreement are deemed to have been duly delivered if hand delivered or sent by United States certified mail, return receipt requested, postage prepaid, to:

(b) If to DG Owner/Operator:

The above-listed names, titles, and addresses of either Party may be changed by written notification to the other, notwithstanding Section 18.

- 19. **Invoicing and Payment** Invoicing and payment terms for services associated with this Agreement shall be consistent with applicable Rules.
- 20. **Limitations** (**No Third-Party Beneficiaries, Waiver, etc.**) 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. This Agreement may not be assigned by the DG Owner/Operator without the prior written consent of the Cooperative as specified in Section 16. The failure of a Party to this Agreement 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 imposed upon the Parties.

- 21. **Headings** The descriptive headings of the various articles and sections of this Agreement have been inserted for convenience of reference only and are to be afforded no significance in the interpretation or construction of this Agreement.
- 22. **Multiple Counterparts** This Agreement may be executed in two or more counterparts, each of which is deemed an original but all constitute one and the same instrument.

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

BARTLETT ELECTRIC COOPERATIVE, INC	DG OWNER/OPERATOR
BY:	BY:
TITLE:	TITLE:
DATE:	DATE:

EXHIBIT A LIST OF FACILITIES SCHEDULES AND POINTS OF INTERCONNECTION

Facility Schedule No.

Name of Point of Interconnection

[Insert Facilities Schedule number and name for each Point of Interconnection]

DG Owner/Operator will, at its own cost and expense, operate, maintain, repair, and inspect, and shall be fully responsible for its Facilities, unless otherwise specified on Exhibit A.

FACILITIES SCHEDULE NO.

TITLE: _____

DATE: _____

	[The following information is to be specified for each Point of Interconnection, if applicable]
1.	Name:
2.	Facilities location:
3.	Delivery voltage:
4.	Metering (voltage, location, losses adjustment due to metering location, and other:
5.	Normal Operation of Interconnection:
6.	One line diagram attached (check one):/ Yes / No
7.	Facilities to be furnished by Cooperative:
8.	Facilities to be furnished by DG Owner/Operator:
9.	Cost Responsibility:
10.	. Control area interchange point (check one): / Yes / No
11.	. Supplemental terms and conditions attached (check one): / Yes / No
12.	. Cooperative rules for DG interconnection attached (check one): / Yes / No
BA	ARTLETT ELECTRIC COOPERATIVE, INC DG OWNER/OPERATOR
ВУ	': BY:

TITLE: _____

DATE: _____



