**Bandera Electric Cooperative Interconnection Guide**

**Step 1: Determine the Category of Distributed Generation Facility**

1. Connection Level Category
2. Power Export Category
3. Qualifying or Non-Qualifying Category
4. Size Category

**Step 2: Service Request**

1. The Member must meet all the Cooperative’s membership and service requirements in
addition to the requirements in the Manual
2. 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

**Step 3: Submit a DG Plan**

1. As a part of the application, the Member shall submit a general plan of the proposed
generator installation showing the electrical design of the generating installation including
all major equipment for interconnection with the Cooperative’s system (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.
2. In the case of multiple facilities, a separate application including any required application
fees shall be submitted by the Member for each interconnection point desired.
3. The Member will provide such additional information as may be reasonable required and
requested by the cooperative to evaluate the DG plan.
4. The Cooperative may, at its discretion, waive the required application fee and other
provisions in the case of a proposed generation installation which is planned
(i) to be operated in parallel with the Cooperative’s system, (ii) with no intention to export
power to the Cooperative and (iii) that are of standard design and intended entirely as
emergency or back-up power supply for the facility
5. A non-refundable application fee will be required to be paid by the Member before the Cooperative will consider the application as indicated below.

**Step 4: Cooperative and Power Supplier Review Process**

1. In cases where the generation installation is to be operated in parallel with the
Cooperative’s system and is intended to export power to the Cooperative’s system; the
Cooperative at its sole discretion may conduct a full interconnection study to determine
the impact of the generating facility on the Cooperative’s system. The Member will be
required to reimburse the Cooperative for the full amount of the interconnection study in
addition to any application fee(s). The Cooperative will bill the Member for the exact cost
of the study on a biweekly basis.
2. The Cooperative will complete the interconnection study and/or review of the DG plan
within sixty (60) days following receipt of a completed application and payment of any
required fee(s). The Cooperative will undertake any interconnection study in the order in
which the complete applications have been received by the Cooperative on a non-discriminatory basis.
3. In the event the Member’s plan involves the use of non-standard equipment or design
techniques, the Cooperative may require the Member to obtain approval of the proposed
DG plan by a professional engineer registered in the state of Texas. 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 the Member’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.
4. Technical review will be consistent with guidelines established by the most recent IEEE
Standard 1547 Standard for Interconnecting Distributed Resources with Electric Power
System. The Member may be required by the Cooperative to provide proof that Member's
DG Facilities have been tested and certified by applicable IEEE guidelines.
5. If corrections or changes to the plans, specifications and other information are to be made
by the Member, the 60-day 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.
6. In the event it is necessary at some future time for the Cooperative in its sole discretion to modify its 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 electric delivery system, the Member will reimburse the Cooperative for all costs necessary to modify or change out any electrical equipment required to continue to safely establish the interconnection of the Member’s DG facilities with the Cooperative’s system after the electric delivery system modification is completed

**Step 5: Line Extension and Modifications to Cooperative Facilities**

1. 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.
2. 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.
3. In the event it is necessary at some future time for the Cooperative in its sole discretion 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’s delivery system, or
because the Cooperative desires to change primary voltage or make other changes in its
electric delivery system, the Member will reimburse the Cooperative for all costs
necessary to modify or change out any electrical equipment required to continue to safely
establish the interconnection of the Member’s DG facilities with the Cooperative’s system
after the electric delivery system modification is completed.
4. In all cases, the Member shall pay the full cost of the installation of a visible load break
disconnect switch by and to the sole specification of the Cooperative. 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.

**Step 6: Meet All Applicable Regulations**

1. The DG facility shall be installed and operated 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 Standard for Interconnecting Distributed Resources with Electric
Power System applicable ANSI standards, including ANSI C84.1 Range A, Electric
Reliability Council of Texas (ERCOT) market rules, including the ERCOT Nodal Protocols
and Operating Procedures, and in accordance with industry standard prudent engineering
practices.

**Step 7: Employ Liability Insurance**

1. When required by law, the Member, at the Member’s own expense, shall carry and maintain
Worker’s Compensation insurance covering the Member's employees. In such cases, the
Member, at the Member’s own expense, shall be required to carry Employer’s Liability Insurance. These coverages are to provide for the payment to the Member’s employees and/or their dependent’s Worker’s Compensation benefits, including Occupational Disease benefits in accordance with the law of the state of Texas the Member hereby waives all rights of subrogation that the Member’s insurers may have against the Cooperative, and its directors, officers and employees. Regardless of the legal requirements, the Cooperative recommends the Member obtain adequate insurance

**Step 8: Sign Interconnection Agreement**

1. The Member will sign and deliver to the Cooperative an “Agreement for Interconnection and
Parallel Operation of Distributed Generation” (Interconnection Agreement) for each
interconnection point as detailed in this manual

**Step 9: Initial Interconnection**

1. Upon satisfactory completion of the review process and execution of required agreements
as outlined in this Manual, the Cooperative will notify the Member.
2. The Member shall notify the Cooperative in writing at least fourteen (14) days in advance of energizing the
generation installation and permit the Cooperative or its agents to inspect and test any or
all protective equipment required for the interconnection.
3. The Cooperative’s review process and final inspection is intended as a means to safeguard
the Cooperative’s facilities and personnel. The Member must acknowledge and agree that 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 generating installations and does not warrant the efficiency, cost-effectiveness, safety, durability, or reliability of such DG installations.