RIP

(Renewable Interconnection Procedures)

Procedures

1.0 The Interconnection Member ("Member") completes the Interconnection Request ("Application") and submits it to the Distribution Provider ("Sumner Cowley").

2.0 Sumner Cowley acknowledges to the Member receipt of the Application within three business days of receipt.

3.0 Sumner Cowley evaluates the Application for completeness and notifies the Member within ten Business Days of receipt that the Application is or is not complete and, if not, advises what material is missing.

4.0 Sumner Cowley verifies that the Small Generating Facility can be interconnected safely and reliably using the screens contained in the Fast Track Process in the Small Generator Interconnection Procedures (SGIP). Sumner Cowley has 15 Business Days to complete this process. Unless Sumner Cowley determines and demonstrates that the Small Generating Facility cannot be interconnected safely and reliably, Sumner Cowley approves the Application and returns it to the Member.

5.0 After installation, the Member returns the Certificate of Completion to Sumner Cowley. Prior to parallel operation, Sumner Cowley may inspect the Small Generating Facility for compliance with standards which may include a witness test, and may schedule appropriate metering replacement, if necessary.

6.0 Sumner Cowley notifies the Member in writing that interconnection of the Small Generating Facility is authorized. If the witness test is not satisfactory, Sumner Cowley has the right to disconnect the Small Generating Facility. The Member has no right to operate in parallel until a witness test has been performed or previously waived on the Application. Sumner Cowley is obligated to complete this witness test within ten Business Days of the receipt of the Certificate of Completion. If Sumner Cowley does not inspect within ten Business Days or by mutual agreement of the Parties, the witness test is deemed waived.

7.0 Contact Information – The Member must provide the contact information for the legal applicant (i.e. the Interconnection Member). If another entity is responsible for interfacing with the Company, that contact information must be provided on the Application.

8.0 Ownership Information – Enter the legal names of the owner(s) of the Small Generating Facility. Include the percentage ownership (if any) by any utility or public utility holding company, or by any entity owned by either.

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

10.0 Appropriate Size Calculation - Divide the Customer-generator's historic electric consumption in kilowatt-hours for the previous 12-month period by 8,760 (hours/year); and divide the quotient by a capacity factor of 0.288 for renewable energy resources. If the Cooperative does not have adequate historic electric consumption data for the customer, the historic consumption shall be 7.15 kilowatt-hours per square foot of above-grade conditioned space.

Terms and Conditions for Interconnecting an Inverter-Based Small Generating Facility

1.0 Application

1.1 The Member that is requesting to construct and install a distributed energy system to interconnect to Sumner Cowley's distribution system must submit an application prior to any connection of the distributed energy system and verify that such system is constructed, installed and operated in accordance with all applicable standards and codes.

1.2 Sumner Cowley shall assess on the Member requesting to install a distributed energy system a fair and reasonable interconnection application fee, any applicable costs incurred by Sumner Cowley for any study conducted to verify and allow the requested export capacity to be interconnected at the Member's point of delivery, and/or costs associated with any related system upgrade costs, devices and equipment required to be furnished by Sumner Cowley for the provision of accepting the requested export capacity.

2.0 Construction of the Facility

2.1 The Member shall furnish, install, operate and maintain in good order and repair, at the Member's expense, a listed device that is suitable for the operation of the Member's distributed energy system in parallel with Sumner Cowley's system.

2.2 Sumner Cowley shall furnish, own, and maintain at its expense, all necessary meters and associated equipment utilized for billing. Sumner Cowley may install, at its expense, load research meters and equipment to monitor Member generation and load, and the Member shall provide at no expense to Sumner Cowley, a suitable location for such meters and equipment.

2.3 Interconnection facilities between the Member's and Sumner Cowley's equipment shall be accessible at all reasonable times to Sumner Cowley personnel.

2.4 The Member may proceed to construct (including operational testing not to exceed two hours) the distributed energy system when Sumner Cowley approves the Application and returns it to the Member.

2.5 The member shall install an appropriately rated and clearly identified AC disconnect within ten (10) foot of the cooperative's meter, unless expressly approved otherwise by the cooperative.

3.0 Interconnection and Operation - The Member may operate Small Generating Facility and interconnect with Sumner Cowley's electric system once all the following have occurred:

3.1 Upon completing construction, the Member will cause the Small Generating Facility to be inspected or otherwise certified by the appropriate local electrical wiring inspector with jurisdiction if applicable, and

3.2 The Member returns the Certificate of Completion to Sumner Cowley, and

3.3 Sumner Cowley has either:

3.3.1 Completed its inspection of the Small Generating Facility to ensure that all equipment has been appropriately installed and that all electrical connections have been made in accordance with applicable codes. All inspections must be conducted by Sumner Cowley, at its own expense, within ten Business Days after receipt of the Certificate of Completion and shall take place at a time agreeable to the Parties. Sumner Cowley shall provide a written statement that the Small

Generating Facility has passed inspection or shall notify the Member of what steps it must take to pass inspections as soon as practicable after the inspection takes place; or

3.3.2 If Sumner Cowley does not schedule an inspection of the Small Generating Facility within ten business days after receiving the Certificate of Completion, the witness test is deemed waived (unless the Parties agree otherwise); or

3.3.3 The company waives the right to inspect the Small Generating Facility.

3.4 Sumner Cowley has the right to disconnect the Small Generating Facility in the event of improper installation or failure to return the Certificate of Completion.

3.5 Revenue quality metering equipment must be installed and tested in accordance with applicable ANSI standards.

4.0 Safe Operation and Maintenance

4.1 The Member shall be fully responsible to operate, maintain and repair the Small Generating Facility as required to ensure that it complies at all times with the interconnection standards to which it has been certified.

4.2 For the purposes of ensuring the safety and quality of Sumner Cowley's system power, Sumner Cowley shall have the right to require the Member, at certain times and as electrical operating conditions warrant, to limit the production of electrical energy from the generating facility to an amount no greater than the load at the Member's facility of which the generating facility is a part.

4.3 Sumner Cowley may periodically require a witness test of the Member's distributed energy system and interconnection facilities throughout the provision of parallel generation service.

4.4 The Member shall own and maintain any necessary export-limiting device.

4.4.1 Protections shall be in place to restrict the export-limiting device settings to qualified persons.

4.4.2 Sumner Cowley shall have the option to require a witness test of the export-limiting device device's functions or settings prior to granting permission to operate and at any time with the distributed energy system is connected to the Sumner Cowley's system.

4.4.3 The export capacity of the system shall not be increased without prior approval of Sumner Cowley.

4.4.4 If the export-limiting device's functions or settings are incorrect or if the device fails to limit the export of power below the designed export capacity for more than 15 minutes in any single event, the Member shall cease operation of the system until repair or reprogramming of the export-limiting device is completed. At such time Sumner Cowley may require and conduct a witness test prior to authorizing the Member to resume operation of the system.

5.0 Access

5.1 Sumner Cowley shall have access to the disconnect switch and metering equipment of the Small Generating Facility at all times. Sumner Cowley shall provide reasonable notice to the Member when possible, prior to using its right of access.

6.0 Disconnection - The Company may temporarily disconnect the Small Generating Facility upon the following conditions:

6.1 For scheduled outages upon reasonable notice.

6.2 For unscheduled outage or emergency conditions.

6.3 If the Small Generating Facility does not operate in the manner consistent with these terms and conditions.

6.4 Electric service to the Member's premises is discontinued for any reason.

6.5 Sumner Cowley shall inform the Member in advance of any scheduled disconnection, or as is reasonable after an unscheduled disconnection.

6.6 Adverse electrical effects, such as power quality problems, are occurring or are believed to be occurring on Sumner Cowley's system or the electrical equipment of other Sumner Cowley Members.

6.7 Sumner Cowley identifies uninspected or unapproved equipment or modifications to the distributed energy system after initial approval.

6.8 There is recurring abnormal operation, substandard operation or inadequate maintenance of the distributed energy system.

6.9 The Member fails to remit payment to Sumner Cowley for any amounts owed, including, but not limited to, amounts invoiced.

7.0 Indemnification

7.1 The Parties shall at all times indemnify, defend, and save the other Party harmless from, any and all damages, losses, claims, including claims and actions relating to injury to or death of any person or damage to property, demand, suits, recoveries, costs and expenses, court costs, attorney fees, and all other obligations by or to third parties, arising out of or resulting from the other Party's action or inactions of its obligations under this agreement on behalf of the indemnifying Party, except in the case of gross negligence or intentional wrongdoing by the indemnified Party.

8.0 Limitation of Liability

8.1 Each party's liability to the other party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either party be liable to the other party for any indirect, incidental, special, consequential, or punitive damages of any kind whatsoever, except as allowed under paragraph 7.0.

8.2 Sumner Cowley will not require a Member whose facility meets the standards in this

agreement to comply with additional safety or performance standards or perform or pay for additional tests or purchase additional liability insurance. Sumner Cowley shall not be liable directly or indirectly for permitting or continuing to allow an attachment of a distributed energy system or for the acts or omissions of the Member-generator that cause loss or injury, including death, to any third party.

9.0 Termination - This agreement to operate in parallel may be terminated under the following conditions:

9.1 By the Member providing written notice to Sumner Cowley.

9.2 By Sumner Cowley if the Small Generating Facility fails to operate for any consecutive 6 month period or the Member fails to remedy a violation of these Terms and Conditions.

9.3 In the event this Agreement is terminated, Sumner Cowley shall have the right to disconnect its facilities or direct the Member to disconnect its Small Generating Facility.

9.4 This Agreement shall continue in effect after termination to the extent necessary to allow or require either Party to fulfill rights or obligations that arose under the Agreement.

10.0 Assignment/Transfer of Ownership of the Facility

10.1 This agreement shall survive the transfer of ownership of the distributed energy system to a new owner when the new owner agrees in writing to comply with the terms of this Agreement and so notifies Sumner Cowley.

11.0 Historic Peak Demand

The average of the Cooperative's system peak demand during the defined coincident peak window, calculated over the most recent three-year period, as aligned with the wholesale power provider's tariff.

Sumner-Cowley Electric Co-op., Inc.

Building on our past. Lighting the way to the future.

Application for Interconnecting a Certified Inverter-Based Small Generating Facility

This application is considered complete when it provides all applicable and correct information required below. Additional information to evaluate the Application may be required.

Processing Fee

A non-refundable processing fee of $500 must accompany this application.

Interconnection Member

Name: _____

Contact Person: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ Fax: _____

Email: _____

Contact (if different from Interconnection Member)

Name: _____

Contact Person: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ Fax: _____

Email: _____

Owner of the facility (include % ownership by any electric utility):

_____

Small Generating Facility Information

Location (if different from above): _____

Electric Service Cooperative: _____

Account Number: _____

Inverter Manufacturer: _____ Model: _____

Nameplate Rating: (kW) (kVA) (AC Volts) Single Three Phase

System Design Capacity: (kW) (kVA)

Prime Mover: ☐ Photovoltaic ☐ Reciprocating Engine ☐ Fuel Cell ☐ Turbine ☐ Other

Energy Source: ☐ Solar ☐ Wind ☐ Hydro ☐ Diesel ☐ Natural Gas ☐ Fuel Oil

☐ Other (describe)

Is the equipment UL1741 Listed? ☐ Yes ☐ No

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

The 10kW Inverter Process is available only for inverter-based Small Generating Facilities no larger than 10 kW that meet the codes, standards, and certification requirements of Attachments 3 and 4 of the FERC Small Generator Interconnection Procedures (SGIP) , or the Cooperative has reviewed the design or tested the proposed Small Generating Facility and is satisfied that it is safe to operate.

List components of the Small Generating Facility equipment package that are currently certified:

	Equipment Type	Certifying Facility
1.		
2.		
3.		
4.		
5.		

Interconnection Member Signature:

I hereby certify that, to the best of my knowledge, the information provided in this application is true. I agree to abide by the Terms and Conditions found in the Renewable Interconnection Procedures (RIP) and return the Certificate of Completion when the Small Generating Facility has been installed.

Signed:_____

Title: _____ Date: _____

Please choose a rate from below:

☐ Parallel Generation ☐ Net Metering

(For Cooperative Use Only)

Contingent Approval to Interconnect the Small Generating Facility

Interconnection of the Small Generating Facility is approved contingent upon the Terms and Conditions found in the Renewable Interconnection Procedures (RIP) and return of the Certificate of Completion.

Cooperative Signature:_____

Title: _____ Date: _____

Application ID Number: _____

Cooperative waives inspection/witness test? ☐ Yes ☐ No

Sumner-Cowley Electric Co-op., Inc.

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Small Generating Facility Certificate of Completion

Is the Small Generating Facility owner-installed? ☐ YES ☐ NO

Interconnection Member: _____

Contact Person: _____

Address: _____

Location of Small Generating Facility (if different from above):

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ Fax: _____

Email Address: _____

Electrician:

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ Fax: _____

Email Address: _____

License Number: _____

Date Approval to Install Facility granted by the Cooperative: _____

Application ID Number: _____

Inspection:

The Small Generating Facility has been installed and inspected in compliance with the local building/electrical code of: _____

_____ _____

Signature (Local electrical wiring inspector or attach signed electrical inspection) Date

Print Name:_____

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

Engineering Department
Sumner-Cowley Electric Cooperative, Inc.
PO Box 220
Wellington, KS 67152

Fax: 620-326-6579

Approval to Energize the Small Generating Facility (For Cooperative Use Only)

Interconnection of the Small Generating Facility is approved contingent upon the Terms and Conditions found in the Renewable Interconnection Procedures (RIP) and return of the Certificate of Completion.

Cooperative Signature: _____

Title: _____ Date: _____