



**Columbia REA**

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# **INTERCONNECTION GENERATION AND NET METERING POLICY**

Manual for Member Owned  
Interconnection Generation Facilities  
Equal to 100 kW or Less

Revised: May 11, 2015  
Approved: August 25, 2014  
Effective: August 25, 2014

A Touchstone Energy® Cooperative 

# COLUMBIA RURAL ELECTRIC ASSOCIATION

## Management Policy #420

**Subject:** Net Metering

**Dated:** May 11, 2015

**Supersedes Date:** Any previous instructions, except as noted in this Policy

### **I. Purpose**

The purpose of this policy is to establish rules for determining the terms and conditions as directed by the Board, in Policy 222, governing the Interconnection of electric generating facilities fueled by renewable energy with a nameplate generating capacity of not more than 100 kilowatts to the Electric System of Columbia Rural Electric Association.

These rules are intended to be consistent with the requirements of chapter 80.60 RCW, Net Metering of Electricity, and to comply with applicable sections of the Energy Policy Act of 2005.

### **II. Policy**

It shall be the policy of the Columbia Rural Electric Association to interconnect electric generating facilities that use water, wind, solar energy, or biogas from animal waste with a nameplate generating capacity of not more than 100 kilowatts pursuant to the terms and conditions set forth in this policy.

### **III. Responsibility**

The responsibility for implementation of this policy shall be the Board of Directors and the Chief Executive Officer.

### **IV. Application of rules**

These rules include various requirements applicable to Columbia REA, the Applicant and the Generator.

**MANAGEMENT POLICY NO. 420**

**SUBJECT: Interconnection of Member Owned Renewable  
Electric Generating Facilities of 100 Kilowatts or Less**

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## **I. Definitions**

“*Applicant*” means any person, corporation, partnership, government agency, or other entity who qualifies as a member as described in the Association Bylaws, and who makes application to interconnect a Generating Facility to Columbia REA’s Electric System pursuant to this policy.

“*Application*” means the written notice as defined in WAC 480-108-030 provided by the Applicant to Columbia REA that initiates the Interconnection process.

“*Columbia REA*” means the Columbia Rural Electric Association that owns and operates the electrical distribution system, or the electrical distribution system itself, onto which the Applicant seeks to interconnect a Generating Facility.

“*Certificate of Completion*” means the attached certificate furnished by Columbia REA and completed by the Applicant or Generator and the electrical inspector having jurisdiction over the installation of the facilities indicating completion of installation and inspection of the Interconnection.

“*Electric System*” means all electrical wires, equipment, and other facilities owned or provided by Columbia REA that are used to transmit electricity to Members.

*“Generating Facility”* means a source of electricity provided by Renewable Energy owned by the Applicant or Generator that is located on the Applicant’s side of the Point of Common Coupling, and all facilities ancillary and appurtenant thereto, including Interconnection Facilities, which the Applicant requests to interconnect to Columbia REA’s Electric System.

*“Generator”* means the entity that owns and/or operates the Generating Facility interconnected to Columbia REA’s Electric System.

*“Initial Operation”* means the first time the Generating Facility is in Parallel Operation with the Electric System.

*“In-Service Date”* means the date on which the Generating Facility or system upgrades and any related facilities are complete and ready for service, even if the Generating Facility is not placed in service on or by that date.

*“Interconnection”* means the physical connection of a Generating Facility to the Electric System so that Parallel Operation may occur.

*“Interconnection Agreement”* means the standardized terms and conditions that govern the Interconnection of generating facilities pursuant to these rules. The model Interconnection Agreement may be modified to accommodate terms and conditions specific to individual Interconnections, subject to the conditions set forth in these rules.

*“Interconnection Facilities”* means the electrical wires, switches and other equipment used to interconnect a Generating Facility to the Electric System.

*“Member”* means any natural person, firm, association, corporation, business trust, partnership, limited liability company, state, state agency, or state political subdivision, foreign government, the United States of America or any federal agency or federal political subdivision, or body politic who becomes a Member pursuant to Columbia REA bylaws.

*“Net Metering”* means measuring the difference between the electricity supplied by Columbia REA and the electricity generated by a Generating Facility that is fed back to Columbia REA over the applicable billing period.

*“Network Distribution System (grid or spot)”* means electrical service from a distribution system consisting of two or more primary circuits from one or more substations or transmission supply points arranged such that they collectively feed secondary circuits serving one (a spot network) or more (a grid network) Columbia REA Members.

*“Parallel Operation”* or *“Operate In Parallel”* means the synchronous operation of a Generating Facility while interconnected with Columbia REA’s Electric System.

*“Point of Common Coupling”* or *“PCC”* means the point where the Generating Facility’s local electric power system connects to Columbia REA’s Electric System, such as the electric power revenue meter or at the location of the equipment designated to interrupt, separate or disconnect the connection between the Generating Facility and Columbia REA.

“*Renewable Energy*” – Energy generated by a facility that uses water, wind, solar energy, or biogas from animal waste as a fuel, or as set forth in RCW 80.60.

## **II. Technical standards for Interconnection**

The technical standards listed in this section shall apply to all generating facilities to be interconnected to Columbia REA under this policy.

### **A. General Interconnection requirements**

1. Any Generating Facility desiring to interconnect with Columbia REA’s Electric System or modify an existing Interconnection must meet all minimum technical specifications applicable, in their most current approved version, as set forth in this policy.
2. The specifications and requirements in this section are intended to mitigate possible adverse impacts caused by the Generating Facility on Columbia REA equipment and personnel and on other members of Columbia REA. They are not intended to address protection of the Generating Facility itself, Generating Facility personnel, or its internal load. It is the responsibility of the Generating Facility to comply with the requirements of all appropriate standards, codes, statutes and authorities to protect its own facilities, personnel, and loads.
3. The specifications and requirements in this section shall generally apply to the Generating Facility throughout the period encompassing the Generator’s installation, testing and commissioning, operation, maintenance, decommissioning and removal of said equipment. Columbia REA may verify compliance at any time, with reasonable notice.
4. The Generator shall comply with the requirements in subsections 4(a), 4(b) and 4(c) and all Columbia REA policies.
  - (a) Code and Standards. Applicant shall conform to all applicable codes and standards for safe and reliable operation. Among these are the National Electric Code (NEC), National Electric Safety Code (NESC), the Institute of Electrical and Electronics Engineers (IEEE), American National Standards Institute (ANSI), and Underwriters Laboratories (UL) standards, and local, state and federal building codes. The Generator shall be responsible to obtain all applicable permit(s) for the equipment installations on its property.
  - (b) Safety. All safety and operating procedures for joint use equipment shall be in compliance with the Occupational Safety and Health Administration (OSHA) Standard 29, CFR 1910.269, the NEC, Washington Administrative Code (WAC) rules, the Washington Industrial Safety and Health Administration (WISHA) Standard, and equipment manufacturer’s safety and operating manuals.
  - (c) Power Quality. Installations will be in compliance with all applicable standards including IEEE Standard 519-1992 Harmonic Limits.

### **B. Specific Interconnection requirements.**

1. Applicant shall furnish and install on Applicant’s side of the meter, a UL-approved safety disconnect switch which shall be capable of fully disconnecting the Applicant’s Generating Facility from Columbia REA’s Electric System . The

disconnect switch shall be located adjacent to Columbia REA meters and shall be of the visible break type in a metal enclosure which can be secured by a padlock. The disconnect switch shall be approved by Columbia REA and be accessible to Columbia REA personnel at all times.

2. Columbia REA shall have the right to disconnect the Generating Facility at the disconnect switch under the following circumstances: when necessary to maintain safe electrical operating conditions; if the Generating Facility does not meet required standards; if the Generating Facility at any time adversely affects or endangers any person, the property of any person, Columbia REA's operation of its Electric System or the quality of Columbia REA's service to other Members; or failure of the owner of record, as filed with Columbia REA, to notify Columbia REA of a sale or transfer of the Generator, Interconnecting Facilities or the premises on which the Generator is located.
  3. Nominal voltage and phase configuration of Applicant's Generating Facility must be compatible to the Columbia REA system at the Point of Common Coupling.
  4. Applicant must provide evidence that in the event of a Columbia REA outage its generation will never result in reverse current flow into Columbia REA's network. All instances of Interconnection to secondary spot Network Distribution System shall require review and written pre-approval by Columbia REA. Interconnection to distribution secondary grid networks is not allowed. Closed transition transfer switches are not allowed in secondary Network Distribution Systems.
  5. Columbia REA may impose additional requirements for the Applicant and/or Generator, including limitation on the number of Customer Generators and total capacity of Net Metering Systems that may be interconnected to any distribution feeder line, circuit, or network that Columbia REA determines are necessary to protect public safety and system reliability.
- C. Specifications applicable to all inverter-based Interconnections. Any inverter-based Generating Facility desiring to interconnect with Columbia REA's Electric System or modify an existing Interconnection must meet the technical specifications, in their most current approved version, as set forth below.
1. IEEE Standard 1547-2003, Standard for Interconnecting Distributed Resources with Electric Power Systems.
  2. UL Standard 1741, Inverters, Converters, and Controllers for Use in Independent Power Systems. Equipment must be UL listed.
  3. IEEE Standard 929-2000, IEEE Recommended Practice for Utility Interface of Photovoltaic (PV) Systems.
- D. Requirements applicable to all non-inverter-based Interconnections. Non-inverter based Interconnection requests may require more detailed review, testing, and approval by Columbia REA, at Applicant cost, of the equipment proposed to be installed to ensure compliance with applicable technical specifications, in their most current approved version, including:
1. IEEE Standard 1547-2003, Standard for Interconnecting Distributed Resources with Electric Power Systems.

2. ANSI Standard C37.90, IEEE Standard for Relays and Relay Systems Associated with Electric Power Apparatus.
3. Applicants proposing such Interconnection may also be required to submit a power factor mitigation plan for Columbia REA review and approval.

### **III. Application for Interconnection**

A. When an Applicant requests Interconnection from Columbia REA, the Applicant shall be responsible for conforming to the applicable Columbia REA policies. Columbia REA will designate a point of contact and provide a telephone number or E-mail address for this purpose. The Applicant seeking to interconnect a Generating Facility under these rules must fill out and submit a signed Application form. Information must be accurate, complete, and approved by Columbia REA prior to installing the Generating Facility.

B. Application Fees. Columbia REA requires a non-refundable Interconnection Application fee based on system size-

1 KW to 10 KW	– \$ 400.00
10.01 KW to 20KW	- \$ 750.00
20.01KW to 50KW	- \$ 1000.00
50.01KW to 100KW	-\$ 2000.00

C. Application Prioritization. All generation Interconnection application for service requests pursuant to this policy will be prioritized by Columbia REA in the same manner as any new load application for service request. Preferential treatment will not be given to one type of request to the detriment of the other. Columbia REA will process the Application and provide Interconnection in a time frame consistent with the average of other service connections. Generation Interconnection requests that are above 100kW may be subject to other Columbia REA policies.

D. Application evaluation. All generation Interconnection requests pursuant to this policy will be reviewed by Columbia REA for compliance with these rules. If Columbia REA, in its sole discretion, finds that the Application does not comply with this policy, Columbia REA may reject the Application. If Columbia REA rejects the Application it shall provide the Applicant with written notification stating its reasons for rejecting the Application.

**IV. General terms and conditions of Interconnection** The general terms and conditions listed in this section shall apply to all generating facilities interconnecting to Columbia REA.



- A. Any electrical Generating Facility with a maximum electrical generating capacity of 100 kW or less must comply with these rules to be eligible to interconnect and Operate In Parallel with Columbia REA's Electric System. The rules under this policy shall apply to all interconnecting Generating Facilities that are intended to Operate In Parallel with Columbia REA's Electric System irrespective of whether the Applicant intends to generate energy to serve all or a part of the Applicant's load. This policy does not address commercial generation.
- B. In order to ensure system safety and reliability of interconnected operations, all interconnected generating facilities shall be constructed and operated by Generator in accordance with this policy and all other applicable federal, state, and local laws and regulations.
- C. Prior to Initial Operation, all Generators must submit a completed Certificate of Completion to Columbia REA; execute the appropriate Interconnection Agreement contained in Attachment C, and any other agreement(s) required by these rules for the disposition of the Generating Facility's electric power output. The Interconnection Agreement between Columbia REA and Generator outlines the Interconnection standards, cost allocation and billing agreements, and on-going maintenance and operation requirements.
- D. Applicant or Generator shall promptly furnish Columbia REA with copies of such plans, specifications, records, and other information relating to the Generating Facility or the ownership, operation, use, or maintenance of the Generating Facility, as may be reasonably requested by Columbia REA from time to time.
- E. For the purposes of public and working personnel safety, any non-approved generation Interconnections discovered will be immediately disconnected from Columbia REA system.
- F. To ensure reliable service to all Columbia REA Members and to minimize possible problems for other Members, Columbia REA will review the need for a dedicated-to-single-Member distribution transformer. Interconnecting generating facilities under 100 kW may require a separate transformer. If Columbia REA requires a dedicated distribution transformer, the Applicant or Generator shall pay for all costs of the new transformer and related facilities.
- G. Net Metering for Renewable Energy as set forth in RCW 80.60: Columbia REA shall install, own and maintain a kilowatt-hour meter, or meters as the installation may determine, capable of registering the bi-directional flow of electricity at the Point of Common Coupling at a level of accuracy that meets all applicable standards, regulations and statutes. The meter(s) may measure such parameters as Columbia REA shall specify. The Applicant shall provide space for metering equipment. It will be the Applicant's responsibility to provide the current transformer enclosure (if required), meter socket(s), production meter for gross kwh capture, and junction box after the Applicant has submitted drawings and equipment specifications for Columbia REA approval.


- H. Common labeling furnished or approved by Columbia REA and in accordance with NEC requirements must be posted on meter base, disconnects, and transformers informing working personnel that generation is operating at or is located on the premises.
  - I. As currently set forth for qualifying generation under RCW 80.60, for Renewable Energy resources, Columbia REA shall not be liable directly or indirectly for permitting or continuing to allow an attachment of a net metering system, or for the acts or omissions of the customer-generator that cause loss or injury, including death, to any third party.
  - J. Prior to any future modification or expansion of the Generating Facility, the Generator will obtain Columbia REA review and approval. Columbia REA reserves the right to require the Generator, at the Generator's expense, to provide corrections or additions to existing electrical devices in the event of modification of government or industry regulations and standards.
  - K. For the overall safety and protection of the Columbia REA system, RCW 80.60 currently limits Interconnection of generation for Net Metering to 0.25% of Columbia REA's peak demand during 1996.
  - L. It is the responsibility of the Generator to protect its facilities, loads and equipment and comply with the requirements of all appropriate standards, codes, statutes and authorities.
  - M. Charges by Columbia REA to the Applicant or Generator in addition to the Application fee, if any, will be cost-based and applied as defined by Columbia REA. Such costs may include, but are not limited to, transformers, production meters, and Columbia REA testing, qualification, and approval of non UL 1741 listed equipment. The Generator shall be responsible for any costs associated with any future upgrade or modification to its interconnected system required by modifications in Columbia REA's Electric System.
  - N. Generator may disconnect the Generating Facility at any time; provided, that the Generator provides reasonable notice to Columbia REA.
  - O. Generator shall notify Columbia REA prior to the sale or transfer of the Generating Facility, the Interconnection Facilities or the premises upon which the facilities are located. The Applicant or Generator shall not assign its rights or obligations under any agreement entered into pursuant to these rules without the prior written consent of Columbia REA, which consent shall not be unreasonably withheld.
- V. **Certificate of Completion** All generating facilities must obtain an electrical permit and pass electrical inspection before they can be connected or Operated In Parallel with Columbia REA's Electric System. Generator shall provide written certification to Columbia REA that the Generating Facility has been installed and inspected in compliance with the local building and/or electrical codes.
- VI. **Required filings – Exceptions**

A. Columbia REA shall maintain on file for inspection at its place of business, the charges, terms and conditions for Interconnections pursuant to these rules. Such filing includes forms of the following documents and contracts:

1. Application (Appendix A)
2. Interconnection Agreements (Appendix B)
3. Certificate of Completion (Appendix C)
4. Member Checklist (Appendix D)

This policy supersedes any existing policy, or portions thereof, that may be in conflict with the provisions of this policy.

APPROVED BY THE CEO



A handwritten signature in blue ink, appearing to read "Ken Jeel", is written over a horizontal line.

DATE ADOPTED: May 11, 2015

**APPENDIX A**

**Application for Interconnecting a Generating Facility No Larger than 100kW**

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-  
1 KW to 10 KW – \$ 400.00  
10.01 KW to 20KW - \$ 750.00  
20.01KW to 50KW - \$ 1000.00  
50.01KW to 100KW - \$ 2000.00

must accompany this Application.

*Interconnection Member Information*

Name: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone (Day): \_\_\_\_\_ (Evening): \_\_\_\_\_

Fax: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

*Contact (if different from Interconnection Member)*

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone (Day): \_\_\_\_\_ (Evening): \_\_\_\_\_

Fax: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

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

*Generating Facility Information*

Location (if different from above): \_\_\_\_\_

Electric Service Company: \_\_\_\_\_

Map Location Number: \_\_\_\_\_

Inverter Manufacturer: \_\_\_\_\_ Model \_\_\_\_\_

Nameplate Rating: \_\_\_\_\_ (kW) \_\_\_\_\_ (kVA) \_\_\_\_\_ (AC Volts)

Single Phase \_\_\_\_\_ Three Phase \_\_\_\_\_

System Design Capacity: \_\_\_\_\_ (kW) \_\_\_\_\_ (kVA)

Prime Mover: Photovoltaic \_\_\_ Reciprocating Engine \_\_\_ Fuel Cell \_\_\_ Turbine \_\_\_ Other \_\_\_  
Energy Source: Water \_\_\_ Wind \_\_\_ Solar Energy \_\_\_ Bio-Gas from animal waste \_\_\_  
Other (describe) \_\_\_\_\_

Is the equipment UL1741 Listed? Yes \_\_\_ No \_\_\_

If Yes, attach manufacturer's cut-sheet showing UL1741 listing

Estimated Installation Date: \_\_\_\_\_ Estimated In-Service Date: \_\_\_\_\_

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

Equipment Type	Certifying Entity
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____

*Interconnection Member's 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 for Interconnecting an Inverter-Based Small Generating Facility No Larger than 100 kW and return the Certificate of Completion when the Small Generating Facility has been installed.

Signed: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

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Contingent Approval to Interconnect the Generating Facility

(For Columbia REA use only)

Interconnection of the Generating Facility is approved contingent upon the Terms and Conditions for Interconnecting an Inverter-Based Generating Facility No Larger than 100kW and return of the Certificate of Completion.

Columbia REA Signature: \_\_\_\_\_

Title: \_\_\_\_\_ Date: \_\_\_\_\_

Application ID number: \_\_\_\_\_

Columbia REA waives inspection/witness test? Yes \_\_\_ No \_\_\_

**APPENDIX B**

**Generating Facility Certificate of Completion**

Is the Generating Facility owner-installed? Yes \_\_\_\_\_ No \_\_\_\_\_

Interconnection Member

\_\_\_\_\_

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_

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

\_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Telephone (Day): \_\_\_\_\_ (Evening): \_\_\_\_\_

Fax: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Electrician: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Telephone (Day): \_\_\_\_\_ (Evening): \_\_\_\_\_

Fax: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

License number: \_\_\_\_\_

Date Approval to Install Facility granted by Columbia REA: \_\_\_\_\_

Application ID number: \_\_\_\_\_

*Inspection:*

The Generating Facility has been installed and inspected in compliance with the local building/  
electrical code of \_\_\_\_\_

Signed (Local electrical wiring inspector, or attach signed electrical inspection):

\_\_\_\_\_

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_

## APPENDIX C

### Member Checklist for Columbia REA Interconnection

- Submit an Application to Columbia REA
  - ✓ Interconnection inverter must be UL 1741 Listed
  - ✓ Electrical schematic drawing must be included
  - ✓ Include provisions for a lockable visible disconnect.
- Send to: Columbia REA, PO Box 46, 115 E. Main St., Dayton, WA 99328
- Receive written design approval from Columbia REA
- Get an electrical permit from Washington State L&I.
- Complete the installation.

Get inspections from a state electrical inspector and Columbia REA (call Columbia REA for inspection at (509) 382-2578 or (800) 642-1231

- If net metered, Columbia REA approves, or installs new, bi-directional meter.
- If production metered, Member supplies and installs a production meter after inspection approval.
- Submit Certificate of Completion to Columbia REA
- Start generating power

Questions?

Call the Columbia REA Member Services Dept. at (509) 382-2578 or (800) 642-1231.

## Appendix D

### Net Energy Metering Interconnection Agreement

#### Interconnection of Member Owned Water, Wind, Solar Energy, or Biogas from Animal Waste Electric Generating Facilities of 100 Kilowatts or Less

This Net Energy Metering Interconnection Agreement is executed in duplicate this \_\_\_\_ day of \_\_\_\_\_, 20\_\_ between \_\_\_\_\_ (hereinafter referred to as "Member"), and (Columbia Rural Electric Association hereinafter referred to as "Columbia REA"). Both parties, who may be herein further referred to collectively as "Parties" and individually as "Party", agree as follows:

#### 1. MEMBER ELECTRIC GENERATING FACILITY

1. Member has elected, in accordance with RCW 80.60 et seq., to operate a Net Metered Renewable Energy resource Generating Facility, with a generating capacity of not more than 100 kilowatts, in parallel with Columbia REA's transmission and distribution facilities. The Member's electric Generating Facility is intended to offset either part or all of the Member's electrical requirements.
2. Columbia REA will not provide wheeling for Member as generation from the Net Metering electrical Generating Facility will only be applied to consumption at the location of said electrical Generating Facility.
3. Member's Application for Net Metered Electrical Generation, including the location of the electrical generating installation facility and details on the electrical generating unit(s) is hereby incorporated into this agreement as Attachment A.
4. The installation is identified by Columbia REA with the following designators: Map Location No. \_\_\_\_\_.
5. A separate interconnection agreement shall be entered into for each Member's electrical service location(s).
6. The electrical generating system facility used by the Member shall be located on the Member's premises. It shall include all equipment necessary to meet applicable safety, power quality, and Interconnection requirements established by the National Electrical Code, National Electrical Safety Code, the Institute of Electrical and Electronics Engineers, Underwriters Laboratories, and Columbia REA's Net Metering Interconnection Standards, as set forth in Attachment B, which is attached hereto.
7. Columbia REA shall have the sole authority to determine which Interconnection requirements set forth herein are applicable to Member's proposed Generating Facility.



## 2. PAYMENT FOR NET ENERGY

1. Columbia REA shall measure the net electricity produced or consumed by the Member during each billing period, in accordance with normal metering practices.
2. If the electricity supplied by Columbia REA exceeds the electricity generated by the Member including any accumulated credits, then the Member shall be billed for the net electricity supplied by Columbia REA together with the appropriate Member charge paid by other Members of Columbia REA in the same rate class.
3. If the electricity generated by the Member and distributed back to Columbia REA during the billing period, exceeds the electricity supplied by Columbia REA, then the Member shall be:
  - a. Billed for the appropriate Member facilities charge as other Members of Columbia REA in the same rate class; and
  - b. Credited for the net excess kilowatt-hours generated during the billing period, with this kilowatt-hour credit appearing on Member's bill.
4. Beginning April 1 of each year, any remaining unused kilowatt-hour credit accumulated by the Member during the previous 12 months shall be granted to Columbia REA, without any compensation to the Member.
5. Member shall pay any amount owing for electric service provided by Columbia REA in accordance with applicable rates and policies. Nothing in this Section 2 shall limit Columbia REA's rights under applicable Rate Schedules, City Ordinances, Member Service Policies, and General Provisions.

## 3. INTERRUPTION OR REDUCTION OF DELIVERIES

1. Columbia REA may require Member to interrupt or reduce deliveries as follows:
  - a. When necessary in order to construct, install, maintain, repair, replace, remove, investigate, or inspect any of its equipment or part of its system; or
  - b. If Columbia REA determines that curtailment, interruption, or reduction is necessary because of emergencies, force or compliance with prudent electrical practices.
2. Whenever possible, Columbia REA shall give Member reasonable notice of the possibility that interruption or reduction of deliveries may be required.
3. Notwithstanding any other provision of this Agreement, if at any time Columbia REA determines that either:
  - a. The Generating Facility may endanger Columbia REA personnel, or

- b. The continued operation of Member's Generating Facility may endanger the integrity of Columbia REA's Electric System, then Columbia REA shall have the right to disconnect Member's Generating Facility from Columbia REA's Electric System. Member's Generating Facility shall remain disconnected until such time as Columbia REA is satisfied that the condition(s) referenced in (a) or (b) of this section 3 have been corrected.

#### 4. INTERCONNECTION

1. Member shall deliver the excess energy to Columbia REA at Columbia REA's meter.
2. Member shall pay for designing, installing, inspecting, operating, and maintaining the electric Generating Facility in accordance with all applicable laws and regulations and shall comply with Columbia REA's Interconnection Standards set forth in Attachment B, which is attached hereto.
3. Member shall pay for Columbia REA's standard watt-hour meter electrical hook-up, if not already present.
4. Member shall not commence Parallel Operation of the Generating Facility until written approval of the Interconnection Facilities has been given by Columbia REA. Such approval shall not be unreasonably withheld. Columbia REA shall have the right to have representatives present at the initial testing of Member's protective apparatus. Member shall notify Columbia REA when testing is to take place.

#### 5. MAINTENANCE AND PERMITS

Member shall:

- a. Maintain the electric Generating Facility and Interconnection Facilities in a safe and prudent manner and in conformance with all applicable laws and regulations including, but not limited to, Columbia REA's Interconnection Standards, and
- b. Obtain any governmental authorizations and permits required for the construction and operation of the electric Generating Facility and Interconnection Facilities, including electrical permit(s).
- c. Reimburse Columbia REA for any and all losses, damages, claims, penalties, or liability it incurs as a result of Member's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of Member's Generating Facility or failure to maintain Member's Generating Facility as required in (a) of this Section 5.

#### 6. ACCESS TO PREMISES

Columbia REA may enter Member's premises or property at any time to:

- a. Inspect, without prior notice Member's Generating Facility's protective devices;
- b. Read and test meter(s); and

- c. Disconnect at Columbia REA's meter or transformer, without notice, the generating facilities if, in Columbia REA's opinion, a hazardous condition exists and such immediate action is necessary to protect persons, or Columbia REA's facilities, or property of others from damage or interference caused by Member's electric generating facilities, or lack of properly operating protective devices or inability to inspect the same.

Columbia REA inspection or other action shall not constitute approval by Columbia REA. The Member remains solely responsible for the safe and adequate operation of its facilities.

## 7. INDEMNITY AND LIABILITY

1. The Member assumes the risk of all damages, loss, cost and expense and agrees to indemnify Columbia REA, its successors and assigns, and its respective directors, officers, employees and agents, from and against any and all claims, losses, costs, liabilities, damages and expenses including, but not limited to, reasonable attorney fees, resulting from or in connection with performance of the agreement or which may occur or be sustained by Columbia REA on account of any claim or action brought against Columbia REA for any reason including but not limited to the loss of the electrical system of the Member caused by or arising out of an electrical disturbance.
2. Such indemnity, protection, and hold harmless includes any demand, claim, suit or judgment for damages, death or bodily injury to all persons, including officers, employees or agents, and subcontractors of either Party hereto including payment made under or in connection with any Worker's Compensation Law or under any plan for employees' disability and death benefits or property loss which may be caused or contributed to by the Interconnection, maintenance, operation, use, presence, or removal of Member's equipment. The only exception will be liability occasioned by the sole negligence or willful misconduct of Columbia REA or its employees acting within the scope of their employment and liability occasioned by a partial negligence of Columbia REA or its employees acting within the scope of their employment to the extent that such partial liability is fixed by a court of competent jurisdiction.
3. The provisions of the Section 7 shall not be construed to relieve any insurer of its obligations to pay any insurance claims in accordance with the provisions of any insurance policy.
4. Columbia REA shall have no liability, ownership interest, control or responsibility for the Member's Electric Generating Facility or its Interconnection with Columbia REA's Electric System, regardless of what Columbia REA knows or should know about the Member's Electric Generating Facility or its Interconnection.
5. Member recognizes that it is waiving immunity under Washington Industrial Insurance law, Title 51 RCW. This indemnification shall extend to and include attorney's fees and the costs of establishing the right of indemnification hereunder in favor of Columbia REA.

## 8. INDEPENDENT CONTRACTORS

The Parties hereto are independent contractors and shall not be deemed to be partners, joint ventures, employees, franchisees or franchisers, servants or agents of each other for any purpose whatsoever under or in connection with this Agreement.

#### 9. GOVERNING LAW

This Agreement shall be interpreted, governed, and constructed under the laws of the State of Washington as if executed and to be performed wholly within the State of Washington. Venue of any action arising hereunder or related to this agreement shall lie in Columbia County, Washington.

#### 10. FUTURE MODIFICATION OR EXPANSION

Any future modification or expansion of the Member owned Generating Facility will require an engineering review and approval by Columbia REA. Columbia REA reserves the right to require the Member, at Member's expense, to provide modifications or additions to existing electrical devices including, but not limited to protection device and meters, in the event of changes to government or industry regulation and/or standards.

#### 11. AMENDMENTS, MODIFICATIONS OR WAIVER

Any amendments or modifications to this Agreement shall be in writing and agreed to by both Parties. The failure of any Party at any time or times to require performance of any provision hereof shall in no manner affect the right at a later time to enforce the same. No waiver by any Party of the breach of any term or covenant contained in this Agreement, whether by conduct or otherwise, shall be deemed to be construed as a further or continuing waiver of any such breach or waiver of the breach of any other term or covenant unless such waiver is in writing.

#### 12. ASSIGNMENT

The Member shall not assign its rights under this Agreement without the express written consent of Columbia REA. Columbia REA may impose reasonable conditions on any such assignment to ensure that all of Member's obligations under this Agreement are met and that none of Member's obligations under this Agreement are transferred to Columbia REA as a result of default, bankruptcy, or any other cause.

### 13. APPENDICES

The Agreement includes the following appendices attached and incorporated by reference:

Appendix A: Application for Interconnecting a Generating Facility No Larger than 100kW

Appendix B: Generating Facility Certificate of Completion

Appendix C: Member Checklist for Columbia REA Interconnection

### 14. NOTICES

All written notices shall be directed as follows:

Columbia Rural Electric Association, PO Box 46, 115 E. Main St, Dayton, WA 99328  
Member:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State & Zip

Member notices to Columbia REA, pursuant to this Section 15, shall refer to the Service Address set forth in Appendix A, Application for Net Metered Electrical Generation.

### 15. TERM OF AGREEMENT

This Agreement shall be in effect when signed by the Member and Columbia REA and shall remain in effect thereafter month to month unless terminated by either Party on thirty (30) days' prior written notice in accordance with Section 13.

16. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused two originals of this Agreement to be executed by their duly authorized representatives.

This Agreement is effective as of the last date set forth below.

Member:	Columbia REA:
Signature	Signature
Print name	Print name
Title	Title
Date	Date