

Application for Interconnection

NOTE: *This Application is considered complete when it provides all applicable and correct information required below. Additional information or clarification to evaluate the Application may be requested by the City.*

This application must be accompanied by a plan for the generating system including, but not limited to, a wiring diagram and specifications for the generating unit. Prior to interconnection with the utility's distribution system, the customer-generator must furnish a certification from a qualified professional electrician or engineer that the installation meets the requirements of the "Net Metering and Easy Connection Act".

This application for Interconnection expires one year after the customer-generator has been notified of the City's approval if the interconnection has not been completed.

Processing Fee:

A non-refundable processing fee of \$75 must accompany this Application.

Customer

Name: _____

Contact Person: _____

Address: _____

City: State: Zip: _____

Telephone (Day): _____ (Evening): _____

Fax: _____ E-Mail Address: _____

Contact (if different from Customer)

Name: _____

Address: _____

City: State: Zip: _____

Telephone (Day): _____ (Evening): _____

Fax: _____ E-Mail Address: _____

Owner of the facility: _____

Generating Facility Information

Location (if different from above): _____

Electric Service Company: _____

Electric Service Company: _____

Account 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: ☐ Solar ☐ Wind ☐ Hydro ☐ Hydrogen

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 Small Generating Facility equipment package that are currently certified:

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

If additional pieces of equipment are included please attach an additional sheet(s) containing the information indicated immediately above.

Customer 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 of the City's Interconnection Standard and will return the Certificate of Completion when the Generating Facility has been installed.

Signed: _____

Title: _____ Date: _____

Pre-Construction Certification

I, _____ (print name), the undersigned, a professional electrician or professional engineer (please circle one) do hereby certify that:

The Member-Generator's proposed System hardware complies with all applicable National Electrical Safety Code (NESC), National Electric Code (NEC), Institute of Electrical and Electronics Engineers (IEEE) and Underwriters Laboratories (UL) requirements for electrical equipment and their installation, including but not limited to IEEE 1547 and UL 1741. The proposed installation complies with all applicable state regulations, local electrical codes and all reasonable safety requirements of City. The proposed System has a lockable, visible, manual disconnect device accessible at all times to the City personnel located at the metering point or other location mutually agreed to between Member-Generator and the City. In addition to the one lockable, visible disconnect device, the System has a functioning mechanism that automatically disables the Member-Generator's System and interrupts the flow of electricity back onto the City's distribution system in the event that electrical service to the Member-Generator is interrupted, thereby preventing the possibility of back-feed.

Signature: _____ Date: _____

Print Name: _____

(If Applicable) License # _____ Expiration Date: _____

Issued by: _____

Post-Construction Certification

I, _____ (print name), the undersigned, a professional electrician or professional engineer (please circle one) do hereby certify that the Member-Generator's System has been constructed according to the plans and specifications for the unit and satisfies all requirements of Rider No. 1: Net Metering Service and Electrical System Integration.

Signature: _____ Date: _____

Print Name: _____

(If Applicable) License # _____ Expiration Date: _____

Issued by: _____

Contingent Approval to Interconnect the Generating Facility

Interconnection of the Generating Facility is approved contingent upon the terms and conditions of the City's Interconnection Standard and upon return of the Certificate of Completion.

City Signature: _____

Title: Date:

Application ID number: _____

City waives inspection/witness test? Yes ___ No ___

Application for Net Metering

Note: This Application is considered complete when it provides all applicable and correct information required below. Additional information or clarification to evaluate the Application may be requested by the City.

Customer

Name (Print) : _____

Contact Person (if other than customer): _____

Address: _____

City: State: Zip: _____

Telephone (Day): _____ (Evening): _____

Fax: _____ E-Mail Address: _____

Customer Signature: _____

I hereby apply for participation in the City's Net Metering Program for Customer Owned Renewable Energy Resources at the utility service address listed above. By my signature, I further affirm that I have read and fully understand the City's policies and procedures for the program and agree to fully abide by the all the terms and conditions.

Signed: _____

Date: _____

For Office Use Only

Requirements for Approval of Net Metering - The City must verify that the following requirements are met in order for Customer Generator to qualify for Net Metering:

- Qualified Renewable Energy Resource
- Application for Interconnection
- Certificate of Completion

City Signature: _____

Title: _____ Date: _____

Application ID number: _____

Rider No.1: NET METERING SERVICE AND ELECTRICAL SYSTEM INTEGRATION

Section 1: Applicable Service Territory

Net metering and electrical system interconnection is available on a first-come, first-served basis in the distribution service territory of the City of Ava at any point on the Utility's existing facilities that has adequate capacity and suitable voltage for delivery of service until:

- 1.1 the total rated generating capacity of all net metering systems on the utility equals 5% of the utility's single-hour peak load during the previous year or
- 1.2 the total rated generating capacity of approved new interconnection agreements during the current calendar year equals or exceeds 1% of the utility's single-hour peak load for the previous calendar year.

Section 2: Availability of Service

Net metering service is available to any existing customer who is in good standing under the City's electric service schedules, that owns and operates a renewable energy electric generator powered by solar, hydro, or wind or fuel cells using hydrogen produced by solar, hydro or wind with a capacity of not more than one hundred (100) kilowatts that is located on the customer's premises, is interconnected and operates in parallel phase and synchronization with the Utility's existing transmission and distribution facilities, and is intended primarily to offset part or all of the customer's own electrical power requirements. This rider is offered in compliance with the "Net Metering and Easy Connection Act" (RSMo 386.890) and appropriate Missouri Public Service Commission Rules.

Additional sources of renewable energy may be certified by the Department of Natural Resources and they will accepted by the City.

All agreements hereunder are between the customer-generator and the City and shall not include a third party.

Section 3: Definitions

Net metering means measuring the difference between the electricity supplied by the Utility and the electricity generated by an eligible customer-generator and fed back to the electric grid over the applicable billing period.

All other definitions shall be those contained in the Missouri "Net Metering and Easy Connection Act" (RSMO 386.890) except where noted in this rider.

Section 4: Monthly Billing

1. The electric service charge shall be computed in accordance with the monthly billing the under the customer's effective standard rate schedule. Under this net metering rider, only the kilowatthour (kWh) units of a customer-generator's bill are affected.
2. If the electricity supplied by the Utility exceeds the electricity generated by the customer-generator during the applicable billing period, the customer-generator shall be billed for the net billable kWhs supplied by the Utility in accordance with the rates and charges under the Utility's standard rate schedule applicable to the customer.
3. If the electricity generated by the customer-generator exceeds the electricity supplied by the Utility, the customer-generator shall be credited for the net value of the electric energy delivered to the Utility during the applicable billing period at the Utility's "avoided fuel cost", with this credit appearing on the customer-generator's bill no later than the following billing period.

4. The “avoided fuel cost” is that amount determined by the city’s governing board with responsibility for setting rates, as outlined in RSMO 386.890.2(1)

Section 4: Transfer of Ownership

Upon change in ownership of the qualified unit, or of the premises on which the unit is located, the new customer-generator shall file a new application with the City for Net Metering

Section 5: Special Conditions

1. The customer- generator must have:
 - 1.1 An approved Application for Net Metering
 - 1.2 A signed Standard Interconnection Application/Agreement with the Utility.
2. The customer-generator is responsible for all costs associated with its generating facility and is also responsible for all costs related to any modifications to the facility that may be required by the Utility for purposes of safety and reliability.
3. A net metering facility shall meet all applicable safety and performance standards established by the National Electric Safety Code, the National Electric Code, the Institute of Electrical and Electronic Engineers, the Federal Energy Regulatory Commission, and Underwriters Laboratory.

In addition it shall:

- a. Be equipped at the customer-generator’s expense with a meter or meters approved by the utility and capable of measuring the net amount of electrical energy produced or

consumed by the customer-generator. Any additional costs necessary for the utility to permit the meters or generator to be integrated into the utility distribution system shall be borne by the customer-generator. At the request of the customer-generator those costs can be initially paid by the utility which may bill the customer-generator the costs over a 12 billing cycle period along with a reasonable rate of interest.

- b. Have a mechanism that automatically disables and disconnects the unit from the supplier's electrical lines in the event that service to the customer-generator is interrupted.
 - c. Have an easily accessible device or feature in immediate proximity to the metering equipment to allow a utility worker to manually and instantly disconnect the unit from the utility's distribution system.
4. For systems of ten kilowatts or less, a customer-generator shall not be required to purchase any liability insurance. However, absent clear and convincing evidence of fault on the part of the retail electric supplier, the retail electric supplier cannot be held liable for any action or cause of action relating to any damages to property or persons caused by the generation unit of a customer-generator or the interconnection thereof pursuant to Section 386.890.11, RSMo Supp. 2008. In addition, the customer-generator may have legal liabilities not covered under their existing insurance policy in the event the customer-generator's negligence or other wrongful conduct causes personal injury (including death), damage to property, or other actions and claims.

Insurance for systems above 10 kilowatts shall be negotiated as part of the Interconnection Agreement.

**INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING
SYSTEMS WITH CAPACITY OF ONE HUNDRED
KILOWATTS (100 kW) OR LESS**

For Customers Applying for Interconnection:

If you are interested in applying for interconnection to [Utility Name]'s electrical system, you should first contact [Utility Name] and ask for information related to interconnection of parallel generation equipment to [Utility Name]'s system and you should understand this information before proceeding with this Application.

If you wish to apply for interconnection to [Utility Name]'s electrical system, please complete sections A, B, C, and D, and attach the plans and specifications, including, but not limited to, describing the net metering, parallel generation, and interconnection facilities (hereinafter collectively referred to as the "Customer-Generator's System") and submit them to [Utility Name] at: [Utility Mailing Address]

The company will provide notice of approval or denial within thirty (30) days of receipt by [Utility Name] for Customer-Generators of ten kilowatts (10 kW) or less and within ninety (90) days of receipt by [Utility Name] for Customer-Generators of greater than ten kilowatts (10 kW). If this Application is denied, you will be provided with the reason(s) for the denial. If this Application is approved and signed by both you and [Utility Name], it shall become a binding contract and shall govern your relationship with [Utility Name].

**For Customers Who Have Received Approval of
Customer-Generator System Plans and Specifications:**

After receiving approval of your Application, it will be necessary to construct the Customer-Generator System in compliance with the plans and specifications described in the Application, complete sections E and F of this Application, and forward this Application to [Utility Name] for review and completion of section G at: [Utility Mailing Address]

Prior to the interconnection of the qualified generation unit to [Utility Name] system, the customergenerator will furnish [Utility name] a certification from a qualified professional electrician or engineer that the installation meets the plans and specification described in the application. If the application for interconnection is approved by [Utility Name] and the customer-generator does not complete the interconnection within one (1) year after receipt of notice of the approval, the approval shall expire and the customer-generator shall be responsible for filing a new application.

[Utility Name] will complete the utility portion of section G and, upon receipt of a completed Application/ Agreement form and payment of any applicable fees, schedule a date for interconnection of the Customer- Generator System to [Utility

Name]'s electrical system within fifteen (15) days of receipt by [Utility Name] if electric service already exists to the premises, unless the Customer-Generator and [Utility Name] agree to a later date. Similarly, upon receipt of a completed Application/Agreement form and payment of any applicable fees, if electric service does not exist to the premises, [Utility Name] will schedule a date for interconnection of the Customer-Generator System to [Utility Name]'s electrical system no later than fifteen (15) days after service is established to the premises, unless the Customer-Generator and [Utility Name] agree to a later date.

Chapter 20—Electric Utilities 4 CSR 240-20

For Customers Who Are Assuming Ownership or Operational Control of an Existing Customer-Generator System:

If no changes are being made to the existing Customer-Generator System, complete sections A, D, and F of this Application/Agreement and forward to [Utility Name] at: [Utility Mailing Address] [Utility Name] will review the new Application/Agreement and shall approve such, within fifteen (15) days of receipt by [Utility Name] if the new Customer-Generator has satisfactorily completed Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. There are no fees or charges for the Customer-Generator who is assuming ownership or operational control of an existing Customer-Generator System if no modifications are being proposed to that System.

A. Customer-Generator's Information

Name:

Mailing Address:

City: _____ State: _____ Zip Code: _____

Service/Street Address (if different from above):

City: _____ State: _____ Zip Code: _____

Daytime Phone: _____ Fax: _____ Email: _____

Emergency Contact Phone:

[Utility Name] Account No. (from Utility Bill):

Account 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: ☐ Solar ☐ Wind ☐ Hydro ☐ Hydrogen

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 Small Generating Facility equipment package that are currently certified:

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

If additional pieces of equipment are included please attach an additional sheet(s) containing the information indicated immediately above.

Customer 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 of the City's Interconnection Standard and will return the Certificate of Completion when the Generating Facility has been installed.

Signed: _____

Title: _____ Date: _____

B. Customer-Generator's System Information

Manufacturer Name Plate (if applicable) AC Power Rating: _____ kW

Voltage: _____ Volts

System Type: ☐ Solar/Thermal ☐ Wind ☐ Fuel Cell ☐ Thermal ☐
Photovoltaic ☐ Hydroelectric ☐ Other
(describe)

Service/Street Address:

Inverter/Interconnection Equipment Manufacturer:

Inverter/Interconnection Equipment Model No.:

Are required System Plans, Specifications, & Wiring Diagram attached? Yes ☐
No ☐

Inverter/Interconnection Equipment Location (describe):

Outdoor Manual/Utility Accessible & Lockable Disconnect Switch Location
(describe):

Existing Electrical Service Capacity: _____ Amperes Voltage: _____ Volts

Service Character: Single Phase ☐ Three Phase ☐

C. Installation Information/Hardware and Installation Compliance

Person or Company Installing:

Contractor's License No. (if applicable):

Contingent Approval to Interconnect the Generating Facility

Interconnection of the Generating Facility is approved contingent upon the terms and conditions of the City's Interconnection Standard and upon return of the Certificate of Completion.

City Signature: _____

Title: Date:

Application ID number: _____

City waives inspection/witness test? Yes ___ No ___

ORDINANCE # 934

AN ORDINANCE TO AMEND THE CODE OF ORDINANCES, CITY OF AVA BY ADDING A NEW SECTION WHICH NEW SECTION SHALL BE DESIGNATED AS SECTION 98-343 OF CHAPTER 98, ARTICLE VI, DIVISION 1 TO ADOPT A NET METERING POLICY AND INTERCONNECTION PROCEDURES FOR THE CITY OF AVA, MISSOURI.w

Whereas, the City of Ava has an interest in allowing for net metering projects within the City; and

Whereas, the City of Ava desires to establish policies and provisions to meet the requirements set forth in Section 306.890 (the "Net Metering and Easy Connection Act") of the Revised Statutes of Missouri; and

Whereas, the City of Ava has developed a Net Metering Service and Electrical System Integration rider to be included as an addendum to the City's standard metered service contract; and

Whereas, the Board of Aldermen of the City of Ava has reviewed the policies and procedures and finds that they are necessary for the health, safety, and welfare of the citizens and city employees for the interconnection of such customer-owned renewable energy resources with the City's electric utility system;

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF ALDERMEN OF THE CITY OF AVA, MISSOURI THAT CHAPTER 98 SECTION 343 WILL READ AS FOLLOWS:

- (a) Definitions of terms used in this section shall be those in Section 386.890.2 RSMo.
- (b) To the extent required of retail electric suppliers by Section 386.890.3 RSMo, a customer of the city electric utility may install and operate electric generation facilities, compatible with the electric utility, which are qualified as a net metering unit.
- (c) A processing fee and the rate to be credited to the customer-generator for the net value of the electric energy delivered to the utility (avoided fuel cost) will be determined by the Board of Aldermen.
- (d) A customer-generator's system shall be equipped with sufficient metering equipment that can measure the net amount of electrical energy produced or consumed by the customer-generator.
- (e) Electrical measurement shall be calculated in accordance with Section 386.890.5 RSMo.
- (f) Each qualified net metering unit used by a customer-generator shall meet all applicable safety, performance, synchronization, interconnection and reliability standards established by the Missouri Public Service Commission, the National Electrical Safety Code, National Electrical Code, the Institute of Electrical, Electronics Engineers, and Underwriters Laboratories.

(g) Customer-generator systems greater than ten kilowatts (10 kW) shall carry no less than one hundred thousand dollars (\$100,000) of liability insurance that provides for coverage of all risk of liability for personal injuries (including death) and damage to property arising out of or caused by the operation of the net metering unit.

(h) Each customer-generator shall, at least annually, conduct a test to confirm that the net metering unit automatically ceases to energize the output (interconnection equipment output voltage goes to zero within two seconds of being disconnected from the electric utility's system). The customer-generator shall maintain a record of the results of these tests and, upon request, shall provide a copy of the test results to the electric utility.

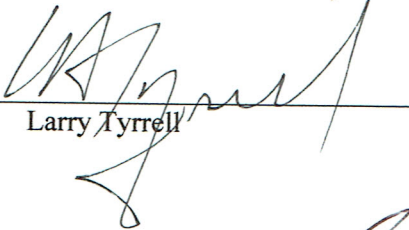
(i) No consumer shall connect or operate an electric generation unit in parallel phase and synchronization with any electric utility without written approval by said electric utility. Customer-generators with systems ten kilowatts (10 kW) or less shall submit an Application of Net Metering and an Application for Interconnection and shall be approved or denied within thirty (30) days of receipt. Customer-generators with systems greater than ten kilowatts (10 kW) but not more than 100 kilowatts (100 kW) shall submit an Interconnection Application/Agreement for Net Metering Systems with Capacity on One Hundred Kilowatts (100 kW) or Less and shall be approved or denied within ninety (90) days of receipt.

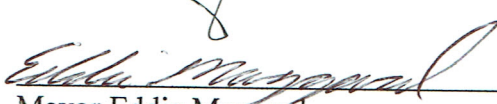
This ordinance shall take effect and be in full force from and after its passage and approval by the Board of Aldermen of the City of Ava, Missouri.

All ordinances or parts of ordinances in conflict with the terms hereof are void and of no effect.

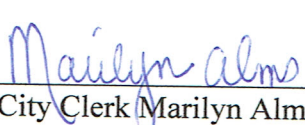
PASSED AND APPROVED THIS 27TH DAY OF March, 2012.

Reviewed and approved as to form by City Attorney


Larry Tyrrell


Mayor Eddie Maggard

Attest:


City Clerk Marilyn Alms



ORDINANCE # 1011

ORDINANCE AUTHORIZING FILING OF APPLICATIONS WITH THE FEDERAL ENERGY REGULATORY COMMISSION (FERC) BY THE MISSOURI JOINT MUNICIPAL ELECTRIC UTILITY COMMISSION (MJMEUC) ON BEHALF OF THE CITY OF AVA, A MEMBER CITY OF MJMEUC, FOR WAIVERS UNDER THE PUBLIC UTILITY REGULATORY POLICIES ACT OF 1978 (PURPA) FOR FACILITIES GREATER THAN 20MW AND EXEMPTING CITY FROM PURCHASE REQUIREMENTS REGARDING QUALIFYING FACILITIES AND ADOPTING RULES FOR COMPLIANCE WITH FERC'S PURPA REGULATIONS

WHEREAS, PURPA is the Public Utilities Regulatory Policy Act of 1978 and its basic goal is to require electric utilities, which includes MJMEUC and City of Ava, hereinafter referred to as City, to purchase the output of certain generating facilities which may locate in their service territories at a negotiated rate or at "avoided cost"; and

WHEREAS, utilities do have an option to seek a waiver of this purchase requirement if there is an organized market available for the entity to sell its output into, and The City of Ava is supplied wholesale power through the Southwest Power Pool's Integrated Marketplace, and the Southwest Power Pool's Integrated Marketplaces qualify as such markets: and

WHEREAS, FERC has taken the position that facilities of greater than 20MW have capability, expertise, or resources to participate in such markets; and requests for waivers will be considered but generally not be granted for smaller facilities; and

WHEREAS, for facilities requesting PURPA Qualifying Facilities (QF) status, a separate waiver request would exempt City, a Member City of MJMEUC, from having to purchase the output, directing them instead to MJMEUC which would be required to assume that responsibility; and

WHEREAS, on December 3, 2015, the Board of Directors of MJMEUC passed Resolution No. 07-2015, which authorized the filing of the above referenced applications for waivers on behalf of MJMEUC and any Member City which wished to join therein.

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF ALDERMEN FOR THE CITY OF AVA, MISSOURI AS FOLLOWS:

Section 1. The above recitals are incorporated herein by reference as if fully restated.

Section 2. The filing of said waiver requests with FERC by MJMEUC on behalf of City is hereby approved all at the cost of MJMEUC.

Section 3. Regarding the assumption by MJMEUC of the responsibility to purchase the output of facilities requesting PURPA Qualifying Facilities (QF) status in lieu of those Member Cities that wish to participate in the waiver application, the City Council hereby assigns to MJMEUC the responsibility for such purchases to MJMEUC and approves the assumption of said undertaking by MJMEUC.

Section 4. Attached hereto and incorporated herein by reference as if fully restated are MJMEUC's Rules for Compliance with FERC's PURPA Regulations which are hereby approved by the Board of Trustees to which City shall abide and provide, for any purchase obligation subject to these waiver requests, that (1) MJMEUC and City shall not avoid or frustrate the purpose of any PURPA-mandated obligation; (2) MJMEUC and City shall permit any facility with PURPA QF status to interconnect with MJMEUC's and Member Cities' transmission and distribution systems; (3) MJMEUC and City shall not charge duplicative fees to any facility with PURPA QF status for

interconnection or wheeling; (4) MJMEUC shall not subject a facility with PURPA QF status to any duplicative charges or additional fees as a result of MJMEUC's purchase of power from a QF that would otherwise be purchased by any one of the Member Cities; and (5) the City interconnected with the QF shall sell any capacity and energy to the QF that is required by it.

Section 5. The Mayor and City Clerk of City be and each of them are hereby authorized to execute or accept such further documents and to take or cause to be taken any and all such further action as may be reasonably required on the part of the City to carry out, give effect to and consummate the transactions contemplated hereby.

ADOPTED by the City Council and APPROVED by the Mayor for the City of Ava, Missouri this 28th
Day of February, 2017.

Approved as to form:



Attest:

Suzanne Welsh
City Clerk Suzanne Welsh

Larry Tyrrell
Larry Tyrrell, City Attorney

David Norman
Mayor David Norman

MISSOURI PUBLIC ENERGY POOL #1

PURPA IMPLEMENTATION POLICY

I. Overview of Policy

This PURPA Implementation Policy ("Policy") sets forth the manner in which the Missouri Joint Municipal Electric Utility Commission ("MJMEUC"), as operator of the Missouri Public Energy Pool #1 ("MoPEP"), and the authorizing MoPEP members will implement the requirements imposed upon them under Section 210 of the Public Utility Regulatory Policies Act of 1978, as amended ("PURPA") and the rules adopted by the Federal Energy Regulatory Commission ("FERC") thereunder.

The MoPEP Pool Committee has adopted this Policy to be applicable to all MoPEP members that have provided to MJMEUC their written authorization to participate in this Policy (each such member being referred to herein as an "authorizing Member"). Appendix I to this Policy is a list of the authorizing Members. This list will be updated to include additional authorizing Members as necessary.

MJMEUC and the authorizing Members are electric utilities subject to the purchase and sale obligations under PURPA. MJMEUC is a non-jurisdictional joint action agency and a body corporate and politic of the State of Missouri authorized by legislation to construct, operate and maintain facilities for the production and transmission of electric power for its members, to purchase and sell wholesale electric power and energy, and to enter into agreements with any person for transmission of electric power. It is organized on a statewide basis to promote efficient wheeling, pooling, generation, and transmission arrangements to meet the power and energy requirements of municipal utilities in the state.

MoPEP is a power pool operated by MJMEUC pursuant to the Amended and Restated Missouri Public Energy Pool #1 Agreement. MoPEP currently has 34 municipal electric

utility members. MJMEUC, as administrator of MoPEP, is the full-requirements supplier for the MoPEP members, and meets their wholesale capacity and energy requirements through certain resources contributed by the pool members, and through generating and purchased-power resources owned or otherwise arranged for by MJMEUC. The MoPEP members are municipal electric utilities serving retail customers in their service territories.

This Policy is intended to advise the public of the basic approach and general guidelines for allowing QFs to interconnect with the electric utility systems of MJMEUC and the authorizing Members, to sell electric energy and capacity to MJMEUC, and to purchase retail electric service from the authorizing Members.

Under this Policy,

- MJMEUC will purchase all energy and capacity offered by QFs to MJMEUC or any of the authorizing Members, (unless such energy is net metered in accordance with Missouri law¹);
- The authorizing Members will sell, at retail, all energy and capacity required by QFs located in their retail service territories; and
- If a QF seeks to interconnect with MJMEUC-owned transmission facilities that are not located within the retail service territory of an authorizing Member, upon request, MJMEUC will assist the QF in locating a supplier of supplemental, backup, maintenance, and interruptible power.

MJMEUC will offer a standard purchase rate or a negotiated rate for energy and capacity (if avoided) produced by QFs interconnected with MJMEUC or an authorizing Member. The standard purchase rate will be determined by MJMEUC based on its “avoided cost,” *i.e.*, the costs to MJMEUC of the electric energy that MJMEUC would otherwise

¹ This Policy is not applicable to energy provided by any QF that is also a “qualified electric energy generation unit” that has requested net metering and interconnection with an authorizing Member pursuant to the Net Metering and Easy Connection Act, MO REV. STAT. § 386.890.1 (2015). Arrangements between such QFs and the applicable authorizing Member shall be made in accordance with the Missouri net metering law.

generate or purchase from another source if not purchased from the QF. The rate and methodology will be reviewed periodically, and will be subject to revision based on future changes to various factors, which may include MJMEUC's delivered cost of fuel, plant generation characteristics, capacity needs, cost of purchased power, transmission costs, operating experience with QFs, MJMEUC's (or Southwest Power Pool's) ability to dispatch the QF, the expected or demonstrated reliability of the QF, the terms of any legally enforceable obligation, the extent to which the QF's scheduled outages can be usefully coordinated with those of MJMEUC's other generating resources, the usefulness of the QF's energy and capacity during system emergencies and the QF's ability to separate its load from its generation, the individual and aggregate value of energy and capacity from QFs, and/or the smaller capacity increments and shorter lead times available with additions of capacity from QFs. MJMEUC reserves the right to analyze each QF's cost impact and adjust rate provisions to reflect power supply characteristics.

Upon request by a QF located within an authorizing Member's retail service territory, the authorizing Member shall offer supplemental, back-up, and maintenance power on a firm or interruptible basis. The authorizing Members will sell energy and capacity to QFs located within their retail service territories under their applicable retail tariffs or at rates equal to the rates to the authorizing Members' other customers with similar load and other cost-related characteristics. Each authorizing Member has undertaken to sell energy and capacity at rates that are nondiscriminatory, just and reasonable, and in the public interest.

Implementation of the purchase and sale requirements in this manner will provide QFs with a market for their power at rates comparable to the rates the authorizing Members could offer and will meet the needs of QFs for supplementary, back-up, and maintenance power in a manner consistent with the retail functions of the authorizing Members.

This Policy does not include a form of the contract to be entered into between MJMEUC and a QF for the purchase of the QF's output. Nor does this Policy include a form of the contract to be entered into between an authorizing Member and a QF for the interconnection of the QF to the authorizing Member's municipal electric system and/or the provision of retail electric service to the QF. The terms and conditions of such contracts are expected to vary depending on the nature of the QFs. However, MJMEUC and the authorizing Members intend to require such contracts be executed by each QF. Such contracts will provide detailed terms and conditions including interconnection requirements, metering, rates, and those terms necessary to accommodate safety and reliability concerns.

MJMEUC intends to file with FERC, on behalf of itself and the authorizing Members, a petition seeking waiver of Sections 292.303(a) and 292.303(b) of FERC's Regulations² to permit this Policy to be placed in effect as proposed. If granted, the effect of the waiver will be to transfer the must-purchase obligation of the authorizing Members from them to MJMEUC, and place the must-sell obligation on the authorizing Members. Additionally, MJMEUC intends to file with FERC one or more applications seeking waiver of MJMEUC's must-purchase obligation for QFs greater than 20 MW pursuant to Section 292.309(a) of FERC's Regulations.³

FERC has granted waivers under Section 202.303(a) and 292.303(b) in other similar situations.⁴ This Policy is similar to policies adopted by other joint action agencies and cooperatives and their members. FERC has also granted waivers of must-purchase obligations with respect to QFs greater than 20 MW pursuant to Section 292.309(a) in the

² 18 CFR §§ 292.303(a) and (b) (2014).

³ 18 CFR § 292.309(a).

⁴ See *Oglethorpe Power Corp.*, 32 FERC ¶ 61,103 (1985), *reh'g granted in part and denied in part*, 35 FERC ¶ 61,069 (1986), *aff'd sub nom. Greensboro Lumber Co. v. FERC*, 825 F.2d 518 (D.C. Cir. 1987); *Seminole Electric Cooperative, Inc.*, 39 FERC ¶ 61,354 (1987); *Missouri Basin Municipal Power Agency*, 69 FERC ¶ 62,250 (1994); *Com Belt Cooperative*, 68 FERC ¶ 62,249 (1994); *Southern Illinois Power Cooperative*, 66 FERC ¶ 62,010 (1994); *Northwest Iowa Power Cooperative*, 57 FERC ¶ 62,079 (1991); *Soyland Power Cooperative, Inc.*, 50 FERC ¶ 62,072 (1990); *Western Farmers Electric Cooperative*, 115 FERC ¶ 61,323 (2006); *Missouri Basin Municipal Power Agency*, Docket No. EL09-13-000, Letter Order (Feb. 6, 2009); *Arkansas Public Service Comm'n, et al.*, Docket No. EL09-37-000, Letter Order (April 30, 2009); *Missouri River Energy Servs.*, 145 FERC ¶ 62,022 (2013).

Southwest Power Pool⁵ and for joint action agencies in other Regional Transmission Organizations.⁶ If the requested waivers are not granted, MJMEUC and the authorizing Members will take such other actions, if any, as may be required to comply with PURPA and the rules adopted thereunder by FERC.

MJMEUC and the authorizing Members believe that the integrated approach to PURPA implementation as described herein will not adversely affect QFs. Indeed, MJMEUC and the authorizing Members believe the proposed approach will facilitate the development of QFs.

II. Introduction

A. Intent of Policy

This Policy is intended to set forth the basic approach and general guidelines for allowing QFs to interconnect with MJMEUC and authorizing Members' electric utility systems in accordance with rules adopted by FERC implementing PURPA Section 210.

B. Utilities Subject to Policy

MJMEUC and all authorizing Members, as listed in Appendix I, are subject to this Policy. This Policy addresses purchases from and sales to all QFs seeking to interconnect to transmission or distribution facilities owned by MJMEUC or any authorizing Member, except for QFs that are also "qualified electric energy generation units" that have requested net metering and interconnection with an authorizing Member pursuant to the Net Metering and Easy Connection Act.

⁵ *E.g., Xcel Energy Servs., Inc.*, 122 FERC ¶ 61,048 (2008), *reh'g denied*, 124 FERC ¶ 61,073 (2008).

⁶ *E.g., Missouri River Energy Servs.*, 145 FERC ¶ 62,023 (2013) (approving a joint action agency's request to waive the must-purchase obligation for resources greater than 20 MW in Midcontinent Independent System Operator, Inc.).

III. Statement of Policy

A. The Policy

It is the policy of MJMEUC and the authorizing Members: (i) to permit any QF to interconnect with the electric systems of MJMEUC or any authorizing Member; (ii) to permit any QF (unless the energy provided by the QF is net metered in accordance with Missouri law), to sell energy and capacity to MJMEUC at rates equal to MJMEUC's avoided costs or at a negotiated rate; and (iii) to permit any QF to purchase supplemental, back-up and maintenance power from an authorizing Member on either a firm or interruptible basis, at rates that are nondiscriminatory, just and reasonable, and in the public interest. In order to effectuate this Policy, MJMEUC and the authorizing Members expressly undertake the following obligations: (a) MJMEUC will be ready and willing to purchase power from any QF from which an authorizing Member would otherwise be required to purchase; (b) no QF will be subject to duplicative interconnection charges or duplicative charges for wheeling power to MJMEUC across the lines of an authorizing Member; (c) no QF will be subject to duplicative charges or additional fees as a result of MJMEUC's purchase of QF power that would otherwise be purchased by an authorizing Member; (d) no QF will be subject to duplicative interconnection charges or duplicative charges for wheeling of supplemental, back-up, or maintenance power from an authorizing Member; and (e) no QF interconnected directly with MJMEUC and purchasing supplemental, back-up, or maintenance power from an authorizing Member will be charged for the cost of facilities required to receive such power other than the cost of such facilities had the QF purchased such power from MJMEUC. MJMEUC and the authorizing Members' undertakings expressed above are, in each case, subject to the other express and implied terms and conditions of this Policy and the other requirements imposed by law.

Because this Policy outlines the basic approach that MJMEUC and the authorizing Members intend to use to fulfill their separate obligations under PURPA, MJMEUC and/or a given authorizing Member may depart from this Policy to the extent authorized by law if they mutually determine that the departure is reasonably necessary in connection with a particular QF. In addition, the Pool Committee shall amend this Policy from time to time as necessary or appropriate to comply with requirements imposed by FERC or any other governmental entity having jurisdiction over MJMEUC and/or the authorizing Members, or any other entity with authority to establish reliability requirements applicable to, or impose such requirements on, MJMEUC and/or the authorizing Members.

This Policy reflects an integrated approach to implementing MJMEUC's and the authorizing Members' obligations under PURPA and the FERC Rules. This approach recognizes the function of MJMEUC as wholesale supplier to the authorizing Members and the retail service function of the authorizing Members, while assuring each QF of both a market for its power and (where the QF is connected to an authorizing Member) a source of any necessary back-up, maintenance, and supplemental service, on either a firm or interruptible basis. Pursuant to Section 292.303(a) of FERC's Regulations,⁷ an electric utility is obligated to purchase only the energy and capacity which is "made available" from a QF. Section 292.304(d) of FERC's Regulations⁸ clarifies that each QF shall have the option to determine the amount of energy or capacity "available" for purchase. Accordingly, this Policy does not require a QF to sell all of its energy and capacity to MJMEUC, but rather just the amount the QF wishes to make "available" for such purchases.

No QF will be permitted to interconnect and operate in parallel with the electric system of MJMEUC or an authorizing Member without the prior knowledge and approval of such utility and without entering into a satisfactory written contract. A QF interconnecting with an

⁷ 18 CFR §292.303(a).

⁸ 18 CFR §292.304(d).

authorizing Member and selling to MJMEUC will not be subject to duplicative interconnections or wheeling charges. To the extent that additional costs of wheeling (*i.e.*, beyond the authorizing Member's facilities) are necessitated by MJMEUC's purchases of the QF's power (rather than the authorizing Member's purchases), such costs will be borne by MJMEUC (rather than the QF). This Policy does not require any authorizing Member to transmit QF output in connection with sales to a purchaser other than MJMEUC.

Where a QF is interconnected to transmission or distribution facilities owned by MJMEUC or an authorizing Member and located within the retail service territory of an authorizing Member, the purchase of capacity and energy by the QF will be made pursuant to separate arrangements between the QF and the applicable authorizing Member and shall be in accordance with applicable law and the authorizing Member's applicable rates, rules, and regulations governing retail service. The terms of the arrangements between MJMEUC, the authorizing Member, and the QF shall be consistent with the authorizing Member's tariff or consistent with rates to the authorizing Member's other customers with similar load or other cost-related characteristics.

Where a QF seeks to interconnect with MJMEUC-owned transmission facilities that are not located within the retail service territory of an authorizing Member, upon request MJMEUC will assist the QF in locating a supplier of supplemental, backup, maintenance, and interruptible power. MJMEUC makes no commitments regarding the availability of such suppliers, nor their rates and charges or terms of service.

B. Metering Requirements

MJMEUC and the authorizing Members require as a condition to the purchase of capacity and energy from a QF the installation of proper metering equipment to permit inclusion of the quantities in MJMEUC's monthly energy and capacity accounting. The amount of energy and capacity purchases from the QF by MJMEUC shall not normally be

netted against the energy and capacity purchased by the QF from the authorizing Members, unless required by applicable rules and regulations adopted by entities having jurisdiction over MJMEUC and the authorizing Members.

MJMEUC shall adopt nondiscriminatory policies and procedures concerning metering requirements applicable to QFs as required. MJMEUC shall make such policies and procedures available to QFs for review.

C. Additional Interconnection Requirements

The following additional requirements shall apply to all purchases from QFs under this Policy:

- (i) The operator of the QF shall be responsible for all costs associated with electric interconnection of the QF to MJMEUC's or the authorizing Member's system, including such automatic relaying and system protection which MJMEUC or the authorizing Member believes necessary for safety reasons, electric wiring and apparatus, protective equipment and an interconnection switch. MJMEUC and the authorizing Members have the right to refuse to interconnect or to discontinue the QF's connection if wiring and apparatus do not meet appropriate safety requirements and all applicable codes, including, but not limited to, the National Electrical Code, National Electrical Safety Codes, or other local, state, or national codes.
- (ii) MJMEUC or the authorizing Members shall own, install and maintain the required metering equipment to integrate the input quantities into MJMEUC's monthly source energy and power accounting. The operator of the QF shall be responsible for all reasonable costs for purchase, installation and maintenance of such metering equipment and shall provide adequate access to its premises so that MJMEUC or the authorizing Members may install and maintain such

metering equipment. MJMEUC or the authorizing Members may assess interconnection costs against a QF on a nondiscriminatory basis with respect to other customers with similar load characteristics and shall determine how such payments are to be made.

- (iii) Neither MJMEUC nor any authorizing Member will permit interconnection between its system and a QF unless the QF meets the applicable standards and/or regulations, rules and policies for interconnection, safety, and operating reliability, as the same may be amended from time to time. Further, in order to remain interconnected, the QF must continue to satisfy appropriate safety and reliability standards.
- (iv) MJMEUC and the authorizing Members reserve the right to adopt additional nondiscriminatory policies and procedures concerning interconnection requirements applicable to QFs. MJMEUC shall make such policies and procedures available to QFs for review.

IV. Request for Waiver

The FERC Rules require each wholesale electric utility, such as MJMEUC, and each retail electric utility, such as the authorizing Members, to buy energy and capacity from, and to sell energy and capacity to, QFs. Through this Policy, MJMEUC and the authorizing Members will have adopted an integrated approach to implementing their obligations under PURPA, and the FERC Rules, under which (1) MJMEUC will purchase energy and capacity from QFs (unless such energy is net metered in accordance with Missouri law), and the authorizing Members will provide retail service to QFs located within their retail service territories, and (2) upon request, MJMEUC will assist any QF that is connected to MJMEUC-owned transmission facilities that are not located within an authorized Members' retail service territory in finding a retail power supplier.

MJMEUC and the authorizing Members will request waivers of certain of the FERC Rules implementing PURPA in order to allow MJMEUC and the authorizing Members to implement this Policy. Specifically, MJMEUC will request, on behalf of the authorizing Members, a waiver of the authorizing Members' must-purchase obligation and, on behalf of itself, a waiver of its must-sell obligation. MJMEUC and the authorizing Members have concluded that, given the benefits of the proposed integrated approach to PURPA implementation, requiring the authorizing Members to purchase from QFs and MJMEUC to sell to QFs is not necessary to facilitate cogeneration and small power production. MJMEUC and the authorizing Members have determined that purchases by MJMEUC on behalf of the authorizing Members will adequately facilitate cogeneration and small power production in part because each authorizing Member's avoided costs should be equal to MJMEUC's avoided costs. Therefore, by centralizing purchases from QFs, QFs will be afforded a greater market for their power while at the same time receiving the same price for their power as they would have by selling to an individual authorizing Member. In addition, MJMEUC intends to request a waiver of the mandatory purchase requirement with respect to QFs of greater than 20 MW that have access to centralized markets.

This Policy is premised on the waivers previously described. Because this integrated approach will not adversely affect QFs and is intended to facilitate cogeneration and small power production, MJMEUC and the authorizing Members intend to operate under this Policy during the pendency of the waiver requests. If FERC denies any of the requested waivers, this Policy will be revised or may be terminated. Any revision required as a result of a denial of a waiver request, or upon order of FERC as a condition to the waiver, will be made available as soon as practicable.

Persons desiring information about this waiver request, including a copy of the waiver request filed by MJMEUC and the authorizing Members with FERC, may contact:

Chief Operating Officer
MJMEUC
1808 SW I-70 Drive
Columbia, MO 65203

IV. Additional Information

Persons requiring additional information concerning the interconnection of a QF with MJMEUC or an authorizing Member, or the rates, terms and conditions of purchases from or sales to QFs, should contact the following:

Chief Operating Officer
MJMEUC
1808 SW I-70 Drive
Columbia, MO 65203

APPENDIX I
AUTHORIZING MEMBERS

[TO BE ADDED AS MEMBERS AUTHORIZE THE RULES]