

KCP&L GREATER MISSOURI OPERATIONS COMPANY

P.S.C. MO. No. 1 8th Revised Sheet No. 110
Canceling P.S.C. MO. No. 1 7th Revised Sheet No. 110

For Missouri Retail Service Area

**NET METERING INTERCONNECTION APPLICATION AGREEMENT
ELECTRIC**

DEFINITIONS:

- A. Avoided fuel cost means avoided costs described in 4 CSR 240-20.060 used to calculate the Company's cogeneration rate filed in compliance with 4 CSR 240-3.155. The information used to calculate this rate is provided to the commission biennially and maintained for public inspection.
- B. Commission means the Public Service Commission of the State of Missouri.
- C. Customer-Generator means the owner or operator of a qualified electric energy generation unit which:
 - (1) Is powered by a renewable energy resource;
 - (2) Is an electrical generating system with a capacity of not more than one hundred kilowatts (100 kW DC);
 - (3) Is located on premises that are owned, operated, leased, or otherwise controlled by the Customer-Generator;
 - (4) Is interconnected and operates in parallel phase and synchronization with the Company and has been approved for interconnection by said Company;
 - (5) Is intended primarily to offset part or all of the Customer-Generator's own electrical energy requirements;
 - (6) Meets all applicable safety, performance, interconnection, and reliability standards established by the National Electrical Code, the National Electrical Safety Code, the Institute of Electrical and Electronics Engineers, Underwriters Laboratories, the Federal Energy Regulatory Commission, and any local governing authorities; and
 - (7) Contains a mechanism that automatically disables the unit and interrupts the flow of electricity onto the Company's electrical lines whenever the flow of electricity to the Customer-Generator is interrupted.
 - (8) For purposes of qualified electric energy generation systems powered by solar energy, Customer-Generator also includes a customer with solar generating equipment that is owned or operated by a third party, located on the Customer's premises pursuant to an equipment lease, services agreement or other similar arrangement with such third party, and otherwise meets the requirements set forth in sections (1) – (7) above.
- D. Distribution system means facilities for the distribution of electric energy to the ultimate consumer thereof.
- E. GMO or Supplier means KCP&L Greater Missouri Operations Company.
- F. Net metering means using metering equipment sufficient to measure the difference between the electrical energy supplied to a Customer-Generator by the Company and the electrical energy supplied by the Customer-Generator to the Company over the applicable billing period.
- G. Operational means all of the major components of the on-site system have been purchased and installed on the Customer-Generator's premises and the production of rated net electrical generation has been measured by the Company.
- H. REC means Renewable Energy Credit or Renewable Energy Certificate which is tradable, and represents that one (1) megawatt-hour of electricity has been generated from a renewable energy resource.

KCP&L GREATER MISSOURI OPERATIONS COMPANY

P.S.C. MO. No. 1 4th Revised Sheet No. 110.1
Canceling P.S.C. MO. No. 1 3rd Revised Sheet No. 110.1

For Missouri Retail Service Area

**NET METERING INTERCONNECTION APPLICATION AGREEMENT
ELECTRIC**

DEFINITIONS (continued):

- I. Renewable energy resources mean, when used to produce electrical energy, the following wind, solar thermal sources, hydroelectric sources, photovoltaic cells and panels, fuel cells using hydrogen produced by one (1) of the above-named electrical energy sources, and other sources of energy that become available after August 28, 2007, and are certified as renewable by the Missouri Department of Natural Resources or Missouri Department of Economic Development's Division of Energy.
- J. Staff means the staff of the Public Service Commission of the state of Missouri.

APPLICABILITY:

Applicable to Customer-Generators with a Company approved interconnection agreement. This schedule is not applicable where the Customer's electrical generating system exceeds 100 kW DC.

REC OWNERSHIP:

RECs created through the generation of electricity by the Customer-Owner are owned by the Customer-Generator, however, as a condition of receiving solar rebates for systems operational after August 28, 2013, customers transfer to the electric system all right, title and interest in and to the RECs associated with the new or expanded solar electric system that qualified the customer for the solar rebate for a period of ten (10) years from the date the Company confirmed the solar electric system was installed and operational.

COMPANY OBLIGATIONS:

- A. Net metering shall be available to Customer-Generators on a first-come, first-served basis until the total rated generating capacity of net metering systems equals five percent (5%) of the Company's Missouri jurisdictional single-hour peak load during the previous year. The Commission may increase the total rated generating capacity of net metering systems to an amount above five percent (5%). However, in a given calendar year, the Company shall not be required to approve any application for interconnection if the total rated generating capacity of all applications for interconnection already approved to date by the Company in said calendar year equals or exceeds one percent (1%) of the Company's single-hour peak load for the previous calendar year.
- B. A tariff or contract shall be offered that is identical in electrical energy rates, rate structure, and monthly charges to the contract or tariff that the Customer would be assigned if the Customer were not an eligible Customer-Generator but shall not charge the Customer-Generator any additional standby, capacity, interconnection, or other fee or charge that would not otherwise be charged if the Customer were not an eligible Customer-Generator.

KCP&L GREATER MISSOURI OPERATIONS COMPANY

P.S.C. MO. No. 1 8th Revised Sheet No. 111
Canceling P.S.C. MO. No. 1 7th Revised Sheet No. 111

For Missouri Retail Service Area

**NET METERING INTERCONNECTION APPLICATION AGREEMENT
ELECTRIC**

COMPANY OBLIGATIONS (continued):

- C. The availability of the net metering program shall be disclosed annually to each Customer with the method and manner of disclosure being at the discretion of the Company.
- D. For any cause of action relating to any damages to property or person caused by the generation unit of a Customer-Generator or the interconnection thereof, the Company shall have no liability absent clear and convincing evidence of fault on the part of the Company.
- E. Any costs incurred under this tariff by the Company not recovered directly from the Customer-Generator, as identified in the Qualified Electric Customer-Generator Obligations section shall be recoverable in the Company's rate structure.
- F. No fee, charge, or other requirement not specifically identified in this tariff shall be imposed unless the fee, charge, or other requirement would apply to similarly situated Customers who are not Customer-Generators.

CUSTOMER-GENERATOR LIABILITY INSURANCE OBLIGATIONS:

- A. Customer-Generator systems greater than ten kilowatts (10 kW DC) 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. Insurance may be in the form of an existing policy or an endorsement on an existing policy.
- B. Customer-Generator systems ten kilowatts (10 kW DC) or less shall not be required to carry liability insurance.

KCP&L GREATER MISSOURI OPERATIONS COMPANY

P.S.C. MO. No. 1 7th Revised Sheet No. 114
Canceling P.S.C. MO. No. 1 6th Revised Sheet No. 114

For Missouri Retail Service Area

**NET METERING INTERCONNECTION APPLICATION AGREEMENT
ELECTRIC**

NET METERING RATES:

The Company shall file on or before January 15 of each odd-numbered year for the Commission's approval in the Company's tariff, a rate schedule with a net metering rate that is the same rate as the utility's cogeneration rate. The Company's cogeneration rate is filed for the Commission's approval in the Company's tariff on or before January 15 of every odd-numbered year as required in 4 CSR 240-3.155 Requirements for Company Cogeneration Tariff Filings section (4). The cogeneration rate is stated in dollars per kilowatt-hour or cents per kilowatt-hour on the cogeneration rate tariff sheet (MO700, Sheet No. 102) and, likewise, the net metering rate shall be stated in dollars per kilowatt-hour or cents per kilowatt-hour on the net metering rate tariff sheet.

INTERCONNECTION APPLICATION/AGREEMENT:

- A. Each Customer-Generator and Company shall enter into the Net Metering Interconnection Application Agreement included herein.
- B. The solar rebate reference in the Net Metering Interconnection Application Agreement is applicable to the company.
- C. Applications by a Customer-Generator for interconnection of a qualified electric energy generation unit to the distribution system shall be accompanied by the plan for the Customer-Generator's electrical generating system including, but not limited to, a wiring diagram and specifications for the generating unit, and shall be reviewed and responded to by the Company within thirty (30) days of receipt for systems ten kilowatts (10 kW DC) or less and within ninety (90) days of receipt for all other systems. Prior to the interconnection of the qualified generation unit to the Company's system, the Customer-Generator will furnish the Company a certification from a qualified professional electrician or engineer that the installation meets the requirements of paragraph A and B of the Qualified Electric Customer-Generator Obligation section of this tariff. If the application for interconnection is approved by the Company 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.
- D. Upon the change in ownership of a qualified electric energy generation unit, the new Customer-Generator shall be responsible for filing a new application/agreement.

KCP&L GREATER MISSOURI OPERATIONS COMPANY

P.S.C. MO. No. 1 7th Revised Sheet No. 115
Canceling P.S.C. MO. No. 1 6th Revised Sheet No. 115
For Missouri Retail Service Area

**NET METERING INTERCONNECTION APPLICATION AGREEMENT
ELECTRIC**

APPLICATION STANDARDS:

When applying for approval of any renewable net metering installations or solar rebates, the Company will only accept and review applications adhering to the following application standards:

A. Net Metering Interconnection Agreements and Solar Rebate:

- (1) Applications shall be legible.
- (2) All applicable fields will be completely filled out as required. Incomplete applications will be returned.
- (3) The name and address on the application must match the name and address on the Customer bill. Otherwise, additional documentation should be provided to support the applicant's association with the account holder.
- (4) Application signatures must be made by persons who are, or officially represent established Customers of the Company.
- (5) Net Metering systems are to be sized to offset part or all of the Customer-Generator's own electrical energy requirements.
 - (a) For customers with twelve (12) months usage:
Last 12 month's net usage / 8760 hours in a year / capacity factor = maximum size of PV system that can be installed.
 - (b) For customers with less than twelve (12) months usage:
Load Worksheet is available on KCPL.com
 - (c) The Solar capacity factor is 0.144 and for Wind is 0.311

B. Single-line diagrams:

- (1) Diagrams will be project specific. Generic line drawings from specification manuals will not be accepted.
- (2) Diagrams must be legible. Drafting quality is preferred.

C. Installation plan:

- (1) A legible general site or plan drawing of the installation will be included. Detail architectural or construction drawings are not required.
- (2) A legible map of the location will be included. The general location of the installation and the location of the associated meter should be depicted.

D. Equipment specifications (Electrical requirements as defined in paragraph A and B of the Qualified Electric Customer-Generator Obligations section of this tariff):

- (1) Photovoltaic (PV) panel, Wind turbine, and Power inverter specification sheets are required proving UL certification, such as UL 1703. Non-UL certified equipment will not be accepted.
- (2) The system must include a UL Listed "Grid Support Utility Interactive Inverter" or inverters from Go Solar California's approve list, found at <http://www.gosolarcalifornia.ca.gov/equipment/inverters.php>.
- (3) If another certification agency is referenced in the specification sheet, please provide necessary documentation to associate the certification back to a UL standard.

E. Application submittal:

- (1) Applications will be accepted in hardcopy or electronic PDF format or through any online portal made available by the Company.
- (2) Hard-copy applications will only be accepted via mail delivery to the address on the Interconnection Application/Agreement.
- (3) Electronic-copy applications shall be submitted in a single file email, presented in PDF format.
 - (a) Unless the file size exceeds email limitations, multiple files will not be accepted.
- (4) Electronic-copy applications shall be emailed to: NetMeteringApp@kcpl.com.
- (5) Online submissions will be completed by following the appropriate link located on the Company's website.
- (6) All applications will be uniquely numbered and processed in the order received.

KCP&L GREATER MISSOURI OPERATIONS COMPANY

P.S.C. MO. No. 1 5th Revised Sheet No. 116
Canceling P.S.C. MO. No. 1 4th Revised Sheet No. 116

For Missouri Retail Service Area

**NET METERING INTERCONNECTION APPLICATION AGREEMENT
ELECTRIC**

APPLICATION STANDARDS (continued):

F. Pre-approval notification:

- (1) Pre-approval of your project will be provided by email after the Company review.
- (2) Pre-approval of projects prior to installation is preferred, but is not required.
 - (a) Projects installed prior to pre-approval may be subject to rework to bring the systems into compliance with this tariff.
 - (b) Rework resulting from early installation will be the responsibility of the Customer-Generator.
- (3) Incorrect or deficient applications will be rejected and the basis for the rejection provided.
- (4) An appeal or resubmittal of the application based on the rejection may be requested. If you choose to exercise an appeal or resubmittal of your application, please note that you will have one opportunity to make corrections in response to the conditions for rejection listed above.
 - (a) Appeal - a rejected application may be appealed once within 5 business days of the rejection of the application. An appeal should be based upon the conditions for rejection as indicated. An appealed application will not be returned to the end of the line during the appeal consideration. An appeal is not considered a re-submission of an application and should contain the following:
 - i. The reason for the customer's appeal.
 - ii. Detailed documentation of the appeal.
 - (b) Resubmittal - a rejected application may be re-submitted within 5 business days of the rejection of the application. One re-review will be allowed in order to address the omissions or deficiencies identified in the rejection. The one-time re-review will not be returned to the end of the line.

G. Project completion notification and request for inspection:

- (1) Notification of project completion will be in the form of email to: NetMeteringApp@kcpl.com.
- (2) The notification will reference the following:
 - (a) Name of Applicant (customer)
 - (b) Address of installation
 - (c) Photos of the meter, disconnect, and solar installation.
- (3) Installations that deviate from plans provided during pre-approval are subject to additional engineering review. Rework resulting from this deviation will be the responsibility of the Customer-Generator and may delay the operational date of the system.
- (4) The Company may apply a service charge for additional inspections or site visits. The service charge will be \$81 per occurrence.

KCP&L GREATER MISSOURI OPERATIONS COMPANY

P.S.C. MO. No. 1 7th Revised Sheet No. 117
Canceling P.S.C. MO. No. 1 6th Revised Sheet No. 117

For Missouri Retail Service Area

**NET METERING INTERCONNECTION APPLICATION AGREEMENT
ELECTRIC**

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

**KCP&L
PO Box 418679
Kansas City, MO 64141-9679
Attn: Solar Rebates/Net Metering**

For Customers Applying for Interconnection:

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

If you wish to apply for interconnection to GMO'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 GMO at the address above. GMO will provide notice of approval or denial within thirty (30) days of receipt by GMO for Customer-Generators of ten kilowatts (10 kW DC) or less and within ninety (90) days of receipt by GMO for Customer-Generators of greater than ten kilowatts (10 kW DC). 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 GMO, it shall become a binding contract and shall govern your relationship with GMO.

**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, sign and complete sections E and F of this Application, and forward this Application to GMO for review and completion of section G at the address above. Prior to the interconnection of the qualified generation unit to GMO's system, the Customer-Generator will furnish GMO a certification from a qualified professional electrician or engineer that the installation meets the plans and specification described in the application. If a local Authority Having Jurisdiction (AHJ) requires permits or certifications for construction or operation of the qualified generation unit, a Customer-Generator must show the permit number and approval certification to KCP&L prior to interconnection. If the application for interconnection is approved by GMO 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.

KCP&L GREATER MISSOURI OPERATIONS COMPANY

P.S.C. MO. No. 1 7th Revised Sheet No. 118
Canceling P.S.C. MO. No. 1 6th Revised Sheet No. 118

For Missouri Retail Service Area

**NET METERING INTERCONNECTION APPLICATION AGREEMENT
ELECTRIC**

**For Customers Who Have Received Approval of
Customer-Generator System Plans and Specifications (continued)**

Within 21 days of when the Customer-Generator completes submission of all required post construction documentation, including sections E and F, other supporting documentation and local AHJ inspection approval (if applicable) to the electric utility, the electric utility will make any inspection of the Customer-Generator's interconnection equipment or system it deems necessary and notify the Customer-Generator:

1. That the net meter has been set and parallel operation by Customer Generator is permitted; or,
2. That the inspection identified no deficiencies and the net meter installation is pending; or,
3. That the inspection identified no deficiencies and the timeframe anticipated for the electric utility to complete all required system or service upgrades and install the meter; or,
4. Of all deficiencies identified during the inspection that need to be corrected by the Customer-Generator before parallel operation will be permitted; or,
5. Of any other issue(s), requirement(s), or condition(s) impacting the installation of the net meter or the parallel operation of the system.

**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 GMO at the address above. GMO will review the new Application/Agreement and shall approve such, within fifteen (15) days of receipt by GMO 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.

KCP&L GREATER MISSOURI OPERATIONS COMPANY

P.S.C. MO. No. 1 7th Revised Sheet No. 119
Canceling P.S.C. MO. No. 1 6th Revised Sheet No. 119

For Missouri Retail Service Area

**NET METERING INTERCONNECTION APPLICATION AGREEMENT
ELECTRIC**

A. Customer-Generator's Information

Name on GMO Electric Account: _____
Service/Street Address: _____
City: _____ State: _____ Zip Code: _____
Mailing Address (if different from above) _____
City: _____ State: _____ Zip Code: _____
E-mail address (if available): _____
Electric Account Holder Contact Person: _____
Daytime Phone: _____ Fax: _____ Email: _____
Emergency Contact Phone: _____
GMO Account No. (from Utility Bill): _____
If account has multiple meters, provide the meter number to which generation will be connected:

GMO Account No. (from Utility Bill): [Shall be inserted at the top of each page.]

B. Customer-Generator's System Information

Manufacturer Name Plate Power Rating: _____ kW AC and _____ kW DC.
Voltage: _____ Volts
System Type: Wind Fuel Cell Solar Thermal Photovoltaic Hydroelectric Other (describe) _____

Inverter/Interconnection Equipment Manufacturer: _____
Inverter/Interconnection Equipment Model No.: _____
Inverter/Interconnection Equipment Location (describe): _____
Outdoor Manual/Utility Accessible & Lockable Disconnect Switch Distance from Meter: _____

Energy Storage Equipment Manufacturer (if applicable): _____
Energy Storage Capacity (if applicable): _____
Certify that the disconnect switch will be located adjacent to the Customer-Generator's electric service meter or explain where and why an alternative location of the disconnect switch is being requested:

Existing Electrical Service Capacity: _____ Amperes Voltage: _____ Volts
Service Character: Single Phase Three Phase
Total capacity of existing Customer-Generator System (if applicable): _____ kW DC

System Plans, Specifications, and Wiring Diagram must be attached for a valid application.

KCP&L GREATER MISSOURI OPERATIONS COMPANY

P.S.C. MO. No. 1 4th Revised Sheet No. 119.2
Canceling P.S.C. MO. No. 1 3rd Revised Sheet No. 119.2
For Missouri Retail Service Area

**NET METERING INTERCONNECTION APPLICATION AGREEMENT
ELECTRIC**

D. Additional Terms and Conditions

In addition to abiding by the Company's other applicable rules and regulations, the Customer-Generator understands and agrees to the following specific terms and conditions:

1. **Operation/Disconnection**
If it appears to the Company, at any time, in the reasonable exercise of its judgment, that operation of the Customer-Generator's System is adversely affecting safety, power quality, or reliability of the Company's electrical system, the Company may immediately disconnect and lock-out the Customer-Generator's System from the Company's electrical system. The Customer-Generator shall permit the Company's employees and inspectors reasonable access to inspect, test, and examine the Customer-Generator's System.
2. **Liability**
Liability insurance is not required for Customer-Generators of ten kilowatts (10 kW DC) or less. For generators greater than ten kilowatts (10 kW DC), the Customer-Generator agrees to 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 Customer-Generator's System. Insurance may be in the form of an existing policy or an endorsement on an existing policy. Customer-Generators, including those whose systems are ten kilowatts (10 kW DC) or less, 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.
3. **Metering and Distribution Costs**
A Customer-Generator's facility shall be equipped with sufficient metering equipment that can measure the net amount of electrical energy produced or consumed by the Customer-Generator. If the Customer-Generator's existing meter equipment does not meet these requirements or if it is necessary for GMO to install additional distribution equipment to accommodate the Customer-Generator's facility, the Customer-Generator shall reimburse GMO for the costs to purchase and install the necessary additional equipment. At the request of the Customer-Generator, such costs may be initially paid for by GMO, and any amount up to the total costs and a reasonable interest charge may be recovered from the Customer-Generator over the course of up to twelve (12) billing cycles. Any subsequent meter testing, maintenance, or meter equipment change necessitated by the Customer-Generator shall be paid for by the Customer-Generator.
4. **Ownership of Renewable Energy Credits or Renewable Energy Certificates (RECs)**
RECs created through the generation of electricity by the Customer-Owner are owned by the Customer-Generator however, if the Customer-Generator receives a solar rebate, the Customer-Generator transfers to GMO all rights, title, and interest in and to the RECs associated with the new or expanded solar electric system that qualified the Customer-Generator for the solar rebate for a period of ten (10) years from the date the electric utility confirms the solar electric system was installed and operational.

KCP&L GREATER MISSOURI OPERATIONS COMPANY

P.S.C. MO. No. _____ Revised Sheet No. 119.7
Canceling P.S.C. MO. No. 1 3rd Revised Sheet No. _____
For Missouri Retail Service Area

**NET METERING INTERCONNECTION APPLICATION AGREEMENT
ELECTRIC**

RESERVE FOR FUTURE USE

KCP&L GREATER MISSOURI OPERATIONS COMPANY

P.S.C. MO. No. _____ Revised Sheet No. 119.8
Canceling P.S.C. MO. No. 1 2nd Revised Sheet No. 119.8
For Missouri Retail Service Area

**NET METERING INTERCONNECTION APPLICATION AGREEMENT
ELECTRIC**

RESERVE FOR FUTURE USE

KCP&L GREATER MISSOURI OPERATIONS COMPANY

P.S.C. MO. No. _____ Revised Sheet No. 119.9
Canceling P.S.C. MO. No. 1 2nd Revised Sheet No. 119.9

For Missouri Retail Service Area

**NET METERING INTERCONNECTION APPLICATION AGREEMENT
ELECTRIC**

RESERVE FOR FUTURE USE