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# 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:
  - Is powered by a renewable energy resource;
  - (2) Is an electrical generating system with a capacity of not more than one hundred kilowatts (100
  - Is located on premises that are owned, operated, leased, or otherwise controlled by the (3)Customer-Generator;
  - Is interconnected and operates in parallel phase and synchronization with the Company and has been approved for interconnection by said Company;
  - Is intended primarily to offset part or all of the Customer-Generator's own electrical energy (5)
  - Meets all applicable safety, performance, interconnection, and reliability standards established (6)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
  - 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.
- GMO or Supplier means KCP&L Greater Missouri Operations Company.
- 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.
- 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
- 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.

Effective: March 29, 2017 Deleted: November 8, 2016 Deleted: December 22, 2016

1200 Main, Kansas City, MO 64105

Issued: February 27, 2017 Issued by: Darrin R. Ives, Vice President

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# **ELECTRIC**

### **DEFINITIONS** (continued):

- Renewable energy resources means, 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.

#### 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.

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receives a solar rebate from the Company For rebates paid on and after August 28, 2013 and as a condition of receiving a rebate, customers shall transfer to the electric utility all rights, title, and interest in and to the renewable energy credits associated with the new or expanded solar electric system that qualified the customer for the solar rebate for a period of ten years from the date the electric utility confirmed that the solar electric system was installed and operational.

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# NET METERING INTERCONNECTION APPLICATION AGREEMENT

# **COMPANY OBLIGATIONS (continued):**

- 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) 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
- B. Customer-Generator systems ten kilowatts (10 kW) or less shall not be required to carry liability

Deleted: ; however, absent clear and convincing evidence of fault on the part of the Company, the Company 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. Further, Customer-Generators 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

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Issued by: Darrin R. Ives, Vice President 1200 Main, Kansas City, MO 64105

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# NET METERING INTERCONNECTION APPLICATION AGREEMENT

# QUALIFIED ELECTRIC CUSTOMER-GENERATOR OBLIGATIONS:

- A. Each qualified electric energy generation unit used by a Customer-Generator shall meet all applicable safety, performance, interconnection, and reliability standards established by any local code authorities, the National Electrical Code, the National Electrical Safety Code, the Institute of Electrical and Electronics Engineers (IEEE), and Underwriters Laboratories (UL) for distributed generation; including, but not limited to, IEEE 1547, UL 1703 and UL 1741.
- B. The Company requires that a Customer-Generator's system contain a switch, circuit breaker, fuse, or other easily accessible device or feature located in immediate proximity to the Customer-Generator's metering equipment that would allow a Company worker the ability to manually and instantly disconnect the unit from the Company's distribution system.
- C. No Customer-Generator shall connect or operate an electric generation unit in parallel phase and synchronization with the Company without written approval by the Company that all of the requirements under paragraph C of the Interconnection Application/Agreement section of this tariff have been met. For a Customer-Generator who violates this provision, the Company may immediately and without notice disconnect the electric facilities of said Customer-Generator and terminate said Customer-Generator's electric service.
- D. A Customer-Generator's facility shall be equipped with sufficient metering equipment that can measure the net amount of electrical energy produced and consumed by the Customer-Generator. If the Customer-Generator's existing meter equipment does not meet these requirements or if it is necessary for the Company to install additional distribution equipment to accommodate the Customer-Generator's facility, the Customer-Generator shall reimburse the Company 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 the Company, 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.
- E. Each Customer-Generator shall, at least once every year, conduct a test to confirm that the net metering unit automatically ceases to energize the output (interconnection equipment output voltage goes to zero (0)) within two (2) seconds of being disconnected from the Company's system. Disconnecting the net metering unit from the Company's electric system at the visible disconnect switch and measuring the time required for the unit to cease to energize the output shall satisfy this test.
- F. 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 Company.
  - (1) If the Customer-Generator is unable to provide a copy of the test results upon request, the Company shall notify the Customer-Generator by mail that the Customer-Generator has thirty (30) days from the date the Customer-Generator receives the request to provide the results of a test to the Company.

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# NET METERING INTERCONNECTION APPLICATION AGREEMENT

# QUALIFIED ELECTRIC CUSTOMER-GENERATOR OBLIGATIONS (continued):

- (2) If the Customer-Generator's equipment ever fails this test, the Customer-Generator shall immediately disconnect the net metering unit.
- (3) If the Customer-Generator does not provide the results of a test to the Company within thirty (30) days of receiving a request from the Company or the results of the test provided to the Company show that the unit is not functioning correctly, the Company may immediately disconnect the net metering unit.
- (4) The net metering unit shall not be reconnected to the Company's electrical system by the Customer-Generator until the net metering unit is repaired and operating in a normal and safe manner.

### **DETERMINATION OF NET ELECTRICAL ENERGY:**

Net electrical energy measurement shall be calculated in the following manner:

- A. For a Customer-Generator, the Company shall measure the net electrical energy produced or consumed during the billing period in accordance with normal metering practices for Customers in the same rate class, either by employing a single, bidirectional meter that measures the amount of electrical energy produced and consumed, or by employing multiple meters that separately measure the Customer-Generator's consumption and production of electricity;
- B. If the electricity supplied by the Company exceeds the electricity generated by the Customer-Generator during a billing period, the Customer-Generator shall be billed for the net electricity supplied by the Company in accordance with normal practices for Customers in the same rate class;
- C. If the electricity generated by the Customer-Generator exceeds the electricity supplied by the Company during a billing period, the Customer-Generator shall be billed for the appropriate Customer charges for that billing period in accordance with the Company Obligations section of this tariff and shall be credited with the product of the excess kilowatt-hours generated during the billing period and the rate identified in Schedule Cogeneration Purchase, Sheet 102 in the following billing period. This rate is calculated from the Company's avoided fuel cost; and
- D. Any credits granted by this subsection shall expire without any compensation at the earlier of either twelve (12) months after their issuance, or when the Customer-Generator disconnects service or terminates the net metering relationship with the Company.

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# NET METERING JNTERCONNECTION APPLICATION AGREEMENT

# **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 interconnection application/agreement included herein.
- B. The solar rebate reference in the 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) 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-Generato 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.

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# NET METERING <u>INTERCONNECTION APPLICATION AGREEMENT</u>

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 applicants 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 <u>net\_usage / 8760 hours in a year / capacity factor = maximum size of PV</u> 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:
  - 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, <u>Wind turbine</u>, and <u>Power inverter</u> specification sheets are required proving UL certification, such as UL 1703. <u>Non-UL certified equipment will not be accepted</u>.
  - (2) 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.
- (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) All applications will be uniquely numbered and processed in the order received

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(3) Power inverter specification sheets are required proving UL certification. ¶

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# 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.
- H. Solar rebate payment:
  - (1) Please see the Company's Rules and Regulations, Section 9.18 Solar Photovoltaic Rebate Program details concerning the solar rebate.

Deleted: E. Application submittal:¶

- (1) Applications will be accepted in hardcopy or electronic format.
- (2) Hard-copy applications will only be accepted via mail delivery to the address on the Interconnection Agreement. ¶
- (3) Electronic-copy applications shall be submitted in a single file, presented in PDF format. ¶
- (a) JPEG, IMG or other file formats will not be accepted.  $\P$
- (b) Unless the file size exceeds email limitations, multiple files will not be accepted. ¶
- accepted. ¶
  (c) The PDF file will be submitted in a single-email. ¶
- (4) Electronic-copy applications shall be emailed to: <a href="NetMeteringApp@kcpl.com">NetMeteringApp@kcpl.com</a>. (5) All applications will be uniquely numbered and processed in the order received.

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Issued by: Darrin R. Ives, Vice President

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# 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) or less and within ninety (90) days of receipt

by GMO 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 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.

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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:

- That the net meter has been set and parallel operation by Customer Generator is permitted; or,
- That the inspection identified no deficiencies and the net meter installation is pending;
- 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,
- Of all deficiencies identified during the inspection that need to be corrected by the Customer-Generator before parallel operation will be permitted; or,
- 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 Installing Solar Systems:

Customer-Generators who are Missouri electric utility retail account holders will receive a solar rebate, if available, based on the capacity stated in the application, or the installed capacity of the Customer-Generator System if it is lower, if the following requirements are met:

- KCP&L must have confirmed the Customer-Generator's system is operational; and,
- Sections H and I of this Application must be completed.

The amount of the rebate will be based on the system capacity measured in direct current. The rebate will be based on the schedule below up to a maximum of 25,000 watts (25kW). .

\$2.00 per watt for systems operational on or before June 30, 2014;

\$1.50 per watt for systems operational between July 1, 2014 and June 30, 2015;

\$1.00 per watt for systems operational between July 1, 2015 and June 30, 2016;

\$0.50 per watt for systems operational between July 1, 2016 and June 30, 2019;

\$0.25 per watt for systems operational between July 1, 2019 and June 30, 2020;

\$0.00 per watt for systems operational after June 30, 2020.

# 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.

Deleted: Upon completion of section H. Land. J, a rebate may be available from the Company on an expanded or new solar systems that becomes operational after 12/31/2009. Please refer to the Company's Rules and Regulations, Section 9.18 - Solar Photovoltaic Rebate Program for the applicable rebate rate and additional details and requirements.

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Issued: February 27, 2017

Issued by: Darrin R. Ives, Vice President

1200 Main, Kansas City, MO 64105

Effective: March 29, 2017

KCP&L GREATER MISSOURI	OPERATIONS CO	OMPANY			
P.S.C. MO. No.	1	<u>5<sup>th</sup></u>	Revised Sheet No	119	Deleted: 4 <sup>th</sup>
Canceling P.S.C. MO. No.	1	4 <sup>th</sup>	Revised Sheet No.	119	Deleted: 3 <sup>rd</sup>
			For Missouri Retail Ser	vice Area	
NET METERING	G JNTERCONNE(	CTION APPLICAT	TON AGREEMENT		Deleted: RIDER
,		CTRIC			
A. Customer-Generator's Informa	tion				
Name on <u>GMO</u> Electric Account:					Deleted: KCP&L
City:		State:	Zip Code:		Moved (insertion) [1]
Mailing Address (if different from ab	ove)	State.	ZID Code.		Deleted: (if different from above)
City:		State:	Zip Code:		
E-mail address (if available):					
Electric Account Holder Contact Per					
Daytime Phone: Fa	ax:	Email:			Moved up [1]: Service/Street Address (if
Emergency Contact Phone:					different from above):
GMO Account No. (from Utility Bill):					
If account has multiple meters, prov	ide the meter numb	er to which generati	ion will be connected:		City:
				\	State: Zip Code:
GMO Account No. (from Utility Bill):	[Shall be inserted a	at the top of each pa	ne l	\	Deleted: KCP&L
ONTO PRODUCE NO. (HOLL STREET,	Toman po moortou e	at the top or each pa	<u>90-1</u>		Deleted. NOT at
Manufacturer Name Plate Power Ravoltage:	Solar ThermalI Manufacturer: Model No.: Location (describe) Lockable Disconne	PhotovoltaicHydr	roelectricOther (describe)_ from Meter: -Generator's electric service		Deleted: Describe the location of the disconnect switch
explain where and why an alternative	e location of the dis	SCOTTICCT SWITCH IS D	eing requested.		
Existing Electrical Service Capacity: Service Character: Single Phase Total capacity of existing Customer-  System Plans, Specifications, and	e Three Phase -Generator System	(if applicable):	_kW		
January Eshaves 07 0047			Etta de la Maria	00.0047	
Issued: February 27, 2017 Issued by: Darrin R. Ives, Vice F	President		Effective: March 200 Main, Kansas City, M	29, 2017 0 64105	Deleted: November 8, 2016
issued by. Dailli N. IVES, VICE I	169106111	'	1200 Iviairi, Marisas City, IVI	0 04 103	Deleted: December 22, 2016

P.S.C. MO. No1	<u>2</u> '	<u><sup>Id</sup> Revise</u>	d Sheet No	119.1		Deleted: 1st	
Canceling P.S.C. MO. No.	<u> </u>	<u>Revise</u>	d Sheet No.	119.1		Formatted: Superscript	
I		For Misso	ouri Retail Se	rvice Area	eg	Deleted: Original  Formatted: Superscript	
NET METERING IN	NET METERING INTERCONNECTION APPLICATION AGREEMENT,						
ELECTRIC						Deleted: RIDER	
C. Installation Information/Hardware a Company Installing System:	·						
Contact Person of Company Installing Sy	/stem:	Phone Number:					
Contractor's License No. (if applicable): _							
Approximate Installation Date:							
Mailing Address:							
City:	State	:Zip Cod	le:				
Daytime Phone: Fax	c: Email:						
Person or Agency Who Will Inspect/Certi The Customer-Generator's proposed Sys Code (NESC), National Electrical Code (I Underwriters Laboratories (UL) requirement System type, these requirements include installation complies with all applicable lo	stem hardware complies wi NEC), Institute of Electrical ents for electrical equipments, but are not limited to, <u>UL</u>	l and Electronics Engi nt and their installation 1703, UL 1741 and IE	ineers (IEEE), n. As applicabl EEE 1547. The	and le to e proposed		Polated: the Company	
proposed System has a lockable, visible						Deleted: the Company  Deleted: the Company	
switch is located adjacent to the Custome approved an alternate location). The Sys						Deleted. the Company	
accessible to GMQ. If the interconnection						Deleted: the Company	
disconnect, no redundant device is needed. System has functioning controls to preve				sed			
overfrequency, underfrequency, and over				electrical		Deleted: the Company	
system. The proposed System does have							
supply power when <a href="GMQ's electric system">GMQ's electric system designed to provide uninterruptible powe</a>						Deleted: the Company	
the proposed System includes a parallel							
power to GMQ's electrical system when t	ne electrical system is not	energized or not oper	ating normally	/.		Deleted: the Company	
Printed Name (Installer):				_			
Signed (Installer):	Date: _						
•						Deleted: 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:¶ ¶   #>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. The Company's electrical system. The Company's electrical system. The Company's electrical system. The Company's electrical system. The Customer-Generator shall permit the Company's exployees and inspectors reasonable access to inspect, test, and examine the Customer-Generator's System.	

Effective: March 29, 2017

1200 Main, Kansas City, MO 64105

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KCP&L GREATER MISSOURI OPERATIONS COMPANY

Issued: February 27, 2017
Issued by: Darrin R. Ives, Vice President

	P.S.C. MO. No.	1	<u>3<sup>rd</sup></u>	Revised Sheet No	119.2	 Deleted: 2 <sup>nd</sup>
	Canceling P.S.C. MO. No.	1	<u>2<sup>nd</sup></u>	Revised Sheet No	119.2	 Deleted: 1st
ı				For Missouri Retail Ser	rvice Area	
	NET METERIN	G <u>INTERCON</u> I	NECTION APPLICATION	N AGREEMENT,		 Deleted: RIDER
			ELECTRIC			Deleted: RIDER
	D. Additional Terms and Condition	ns,				 Deleted: (continued)

#### 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:

#### 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) or less. For generators greater that ten kilowatts (10 kW), 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) 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.

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**Deleted:** from the Company. For rebates paid on and after August 28, 2013 and as a condition of receiving a rebate, customers shall transfer to the electric utility

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Issued: February 27, 2017

Issued by: Darrin R. Ives, Vice President

Effective: March 29, 2017

1200 Main, Kansas City, MO 64105

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P.S.C. MO. No	1	<u>2<sup>nd</sup></u>	Revised Sheet No.	119.3	Deleted: 1st
nceling P.S.C. MO. No.	1	1 <sup>st</sup>	Revised Sheet No.	119.3	Deleted: Original
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	da a farada a N				
Additional Terms and Condit 5. Energy Pricing and Bi					
		ustomer-Generator sl	hall be billed in accordance w	vith the	
			ric energy delivered by the Co		
			t metering rate schedule(s)		Deleted: the Company
	shall be responsible	for all other bill comp	onents charged to similarly s	situated .	
customers.					
Net electrical energy					
			all measure the net electrical or ordance with normal metering		
			ing a single, bidirectional met		
			nd consumed, or by employin		
			tor's consumption and produ		
electricity;					
(b) If the electricit	y supplied by the su	pplier exceeds the ele	ectricity generated by the Cu	stomer-	
			ator shall be billed for the net		
11	ne supplier in accord	ance with normal pra	ectices for customers in the sa	ame rate	
class;				1.1 4	
			exceeds the electricity supplied		
			or shall be billed for the appro omer-Generator rate schedule		
			excess kilowatt-hours generate		
			SMO's tariff filed at the Public		Deleted: the Company's
		ed to the following bil		00,7,00	Defeted: the company of
			out any compensation at the	earlier of	
either twelve	(12) months after the	eir issuance, or when	the Customer-Generator dis	connects	
service or ter	minates the net meter	ering relationship with	ı the supplier.		
6. Terms and Terminatio		-:			
			ustomer-Generator and <mark>GMC</mark> applicable initial tariff or rate :		Deleted: the Company
			at any time by giving GMO at		Deleted: the Company
			er-Generator shall, no later th		Deleted. the Company
			ustomer-Generator's System		
parallel operation with	h <mark>GMO's</mark> system. Eitl	her party may termina	ate this Agreement by giving	the other	Deleted: the Company's
			party is in default of any of th		. ,
			es the basis for termination, a		
			be terminated at any time by		
	stomer-Generator an	انانان. I his agreem	ent may also be terminated,		Deleted: the Company
			in determined to be see!!-	la ta thia	
approval of the comm	nission, if there is a c		is determined to be applicable	le to this	
	nission, if there is a c		is determined to be applicab.	le to this	

Issued: February 27, 2017
Issued by: Darrin R. Ives, Vice President

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KCP&L	GREATER	MISSOURI	OPERATIONS	COMPANY

P.S.C. MO. No1	3 <u>rd</u>	Revised Sheet No. 119.4	Deleted: 2 <sup>nd</sup>
Canceling P.S.C. MO. No.	<u>2<sup>nd</sup></u>	Revised Sheet No. 119.4	Deleted: 1st
		For Missouri Retail Service Area	

# NET METERING INTERCONNECTION APPLICATION AGREEMENT **ELECTRIC**

# D. Additional Terms and Conditions (continued)

7. Transfer of Ownership

If operational control of the Customer-Generator's System transfers to any other party than the Customer-Generator, a new Application/Agreement must be completed by the person or persons taking over operational control of the existing Customer-Generator System. GMO shall be notified no less than thirty (30) days before the Customer-Generator anticipates transfer of operational control of the Customer-Generator's System. The person or persons taking over operational control of Customer-Generator's System must file a new Application/Agreement, and must receive authorization from GMO, before the existing Customer-Generator System can remain interconnected with GMO's electrical system. The new Application/Agreement will only need to be completed to the extent necessary to affirm that the new person or persons having operational control of the existing Customer-Generator System completely understand the provisions of this Application/Agreement and agree to them. If no changes are being made to the Customer-Generator's System, completing sections A, D, and F, of this Application/Agreement will satisfy this requirement. If no changes are being proposed to the Customer-Generator System, GMQ, will assess no charges or fees for this transfer. GMO will review the new Application/Agreement and shall approve such, within fifteen (15) days if the new Customer-Generator has satisfactorily completed the Application/Agreement, and no changes are being proposed to the existing Customer-Generator System. GMQ will then complete section G and forward a copy of the completed Application/Agreement back to the new Customer-Generator, thereby notifying the new Customer-Generator that the new Customer-Generator is authorized to operate the existing Customer-Generator System in parallel with GMQ's electrical system. If any changes are planned to be made to the existing Customer-Generator System that in any way may degrade or significantly alter that System's output characteristics, then the Customer-Generator shall submit to GMQ a new Application/Agreement for the entire Customer-Generator System and all portions of the Application/Agreement must be completed.

## 8. Dispute Resolution

If any disagreements between the Customer-Generator and GMQ arise that cannot be resolved through normal negotiations between them, the disagreements may be brought to the Missouri Public Service Commission by either party, through an informal or formal complaint. Procedures for filing and processing these complaints are described in 4 CSR 240-2.070. The complaint procedures described in 4 CSR 240-2.070 apply only to retail electric power suppliers to the extent that they are regulated by the Missouri Public Service Commission.

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Issued: February 27, 2017

Issued by: Darrin R. Ives, Vice President

Effective: March 29, 2017

1200 Main, Kansas City, MO 64105

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		_ECTRIC				
ditional Terms and Condi	tions (continued)					
esting Requirement	,					
			tive functions. The Custome the Customer-Generator's i			
etering unit automatically ce	eases to energize the	e output (interconnect	ion equipment output voltage	e goes to	(	
			al system. Disconnecting the itch and measuring the time		{	Deleted: the Company's
r the unit to cease to energi	ize the output shall s	atisfy this test. The Cu	ustomer-Generator shall mai	ntain a	$\overline{}$	Deleted: the Company's
			ovide a copy of the test result results upon request, GMO		-	Deleted: the Company
otify the Customer-Generate	or by mail that Custo	mer-Generator has th	irty (30) days from the date t		$\subseteq$	Deleted: the Company
			s of a test. If the Customer- Il immediately disconnect the		$\longrightarrow$	Deleted: the Company  Deleted: the Company
ustomer-Generator's Syster	m from GMQ's syste	m. If the Customer-Ge	enerator does not provide re	sults of a		Deleted: the Company
st to GMQ within thirty (30)	days of receiving a	request from GMO or	the results of the test provide correctly, GMQ,may immed	ed to GMO,		Deleted: the Company
			Customer-Generator's Sys			Deleted: the Company
ot be reconnected to GMQ's	s electrical system by	y the Customer-Gener	ator until the Customer-Gen		XX.	Deleted: the Company
ystem is repaired and opera	ating in a normal and	i sate manner.			\\X	Deleted: the Company
read, understand, and acc ation/Agreement.	ept the provisions of	section D, subsection	s 1 through 9 of this		//	Deleted: the Company
ation/Agreement.					χ	Deleted: the Company
d name (Customer-General	-					
			Date:	_	_	
oe signature of the <u>GMQ</u> ,ac	count holder (custor	ner)			(	Deleted: Company
ctrical Inspection						
cal Authority Having Jurisdic	ction (AHJ) governs	permitting/inspection of	of project:			
rity Having Jurisdiction (AH	J):					
t Number:						
<u>:able to all installations:</u> :ustomer-Generator System	referenced above s	atisfies all requiremen	ts noted in section C			
ctor Name (print):						
ctor Certification: Licensed	Engineer in Missouri	Licensed Elec	trician in Missouri			
se No.						
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Issued: February 27, 2017 Effective: March 29, 2017 Deleted: November 8, 2016 Issued by: Darrin R. Ives, Vice President 1200 Main, Kansas City, MO 64105 Deleted: December 22, 2016

KCP&L GREATER MISSOURI OPERATION	NS COMPANY			
P.S.C. MO. No1	3 <sup>rd</sup>	Revised Sheet No. 119.6		Deleted: 2 <sup>nd</sup>
Canceling P.S.C. MO. No1	2 <u>nd</u>	Revised Sheet No. 119.6		Deleted: 1 <sup>st</sup>
		For Missouri Retail Service Area		
NET METERING INTERCO	ONNECTION APPLICA	TION AGREEMENT .		Deleted: RIDER
	ELECTRIC			
F. Customer-Generator Acknowledgement				
I am aware of the Customer-Generator System				
information and/or an operational manual for the parallel generation tariff or rate schedule (as app				Deleted: the Company
operation of the Customer-Generator System.	•	·		
I agree to abide by the terms of this Application/				
Generator System in accordance with the manu interconnection standards. If, at any time and fo				Deleted: the Company
operating in an unusual manner that may result	in any disturbances on GN	MO's electrical system, I shall		Deleted: the Company
disconnect the Customer-Generator System and Generator System is operating normally after re				Deleted: the Company
thirty (30) days prior to modification of the comp				Deleted: the Company
way may degrade or significantly alter that Syste	em's output characteristics	s. I acknowledge that any such		
modifications will require submission of a new A lagree not to operate the Customer-Generator S	pplication/Agreement to <u>G</u> System in parallel with <u>G</u> M	MO, MO's electrical system until this		Deleted: the Company
Application/Agreement has been approved by G		- Carlo Carl		Deleted: the Company
System Installation Date:				Deleted: the Company
Printed name (Customer-Generator):				
Signed (Customer-Generator):		Date:		
G. Utility Application/Agreement Approval (c				Deleted: Company
GMO does not, by approval of this Application/A property or physical injury to persons due to ma				Deleted: The Company
Generator's negligence.	ilunction of the Customer-	Generator's System of the Customer-		
This Application is approved by GMQ on this	day of	(month),(year).		Deleted: the Company
GMO Representative Name (print):		·		Deleted: Company
Signed GMQ Representative:				Deleted: Company
Olymod <u>Gira</u> representative.				Beleted. Company
H. Solar System Data (For Solar Installations				
Solar Module Manufacturer:				
Solar Module Model No.:	Number of Modules/P	anel:		
Module rating:DC Watts	System rating (sum of	f solar panels):kW		
Module Warranty: years (circle on spec s	heet)			
Inverter Warranty: years (circle on spec s	sheet)			
Location of modules:RoofGround	Installation type:	FixedBallast		
				Deleted: System Installation Date:
				"
1 5 1 5 1 5 1		<b></b>	-	
Issued: February 27, 2017 Issued by: Darrin R. Ives, Vice President		Effective: March 29, 2017 1200 Main, Kansas City, MO 64105	<	Deleted: November 8, 2016
issued by. Dailin R. IVES, VICE Plesident		1200 Main, Nansas City, MC 64 105		Deleted: December 22, 2016

# KCP&L GREATER MISSOURI OPERATIONS COMPANY P.S.C. MO. No. Revised Sheet No.\_\_ 119.7 Deleted: 2<sup>nd</sup> Canceling P.S.C. MO. No. \_ 1 Revised Sheet No. 119.7 Deleted: 1st For Missouri Retail Service Area NET METERING INTERCONNECTION APPLICATION AGREEMENT Deleted: RIDER H. Solar System Data (For Solar Installations only) (continued) Solar system must be permanently installed on the applicant's premises for a valid application Required documents to receive solar rebate to be attached OR provided before GMO authorizes the rebate payment: Deleted: (required to be attached for a valid application) Copies of detail receipts/invoices with purchase date circled Copies of detail spec sheets on each component Copies of proof of warranty sheet (minimum of 10 year warranty) Photo(s) of completed system Completed Taxpayer Information Form **Customer Affidavit** I. Solar Rebate Declaration (For Solar Installations only) I understand that the complete terms and conditions of the solar rebate program are included in GMQ's Deleted: Company Rules and Regulations, Section 9.18 - Solar Photovoltaic Rebate Program. I understand that this program has a limited budget, and that application will be accepted on a first-come, first-served basis, while funds are available. It is possible that I may be notified I have been placed on a waiting list for the next year's rebate program if funds run out for the current year. This program may be modified or discontinued at any time without notice from GMQ, Deleted: the Company I understand that the solar system must be permanently installed and remain in place on premises for a Deleted: the duration of its useful life minimum of 10 years and the system shall be situated in a location where a minimum of eighty-five percent (85%) of the solar resource is available to the solar system. I understand the equipment must be new when installed, commercially available, and carry a minimum 10 year warranty. I understand a rebate may be available from KCP&L in the amount of: \$2.00 per watt for systems operational on or before June 30, 2014; \$1.50 per watt for systems operational between July 1, 2014 and June 30, 2015; \$1.00 per watt for systems operational between July 1, 2015 and June 30, 2016; \$0.50 per watt for systems operational between July 1, 2016 and June 30, 2019; \$0.25 per watt for systems operational between July 1, 2019 and June 30, 2020;

I understand an electric utility may, through its tariff, require applications for solar rebates to be submitted up to one hundred eighty-two (182) days prior to the applicable June 30 operational date for the solar rebate.

\$0.00 per watt for systems operational after June 30, 2020.

I understand that a maximum of 25 kilowatts of new or expanded system capacity will be eligible for a rebate.

Deleted: a rebate of \$2/watt up to 25,000 watts (25 kW) is available from the Company on expanded or new systems that become operational after 12/31/2009 with a maximum rebate of \$50,000. Effective July 1, 2014 the rebate for systems will be reduced until July 1, 2020 when the rebate will be eliminated. Please refer to the Company's Rules and Regulations, Section 9.18 – Solar Photovoltaic Rebate Program for the applicable rebate rate.

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Issued by: Darrin R. Ives, Vice President 1200 Main, Kansas City, MO 64105

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KCP&L GREATER MISSOUR	I OPERATIONS	COMPANY			
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Canceling P.S.C. MO. No.	1	<u>1</u> <u>st</u>	Revised Sheet No.	119.8	 Deleted: Original
I			For Missouri Retail Ser	vice Area	
NET METERI		ECTION APPLICATIO	N AGREEMENT <sub>•</sub>		 Deleted: RIDER
		LECTRIC			
I. Solar Rebate Declaration (For I understand the DC wattage used to determine rebate an	e rating provided by	,,,	r and as noted in section h	H will be	
I understand <u>I may receive a</u> any questions.)	n IRS Form related	I to my rebate amount. (F	Please consult your tax ad	visor with	 <b>Deleted:</b> business corporations receiving a rebate of \$600 or more will receive a 1099
I understand that as a condit interest in and to the solar re	-				 <b>Deleted:</b> customers shall transfer to the electric utility
electric system that qualified			•		
GMO confirmed that the sola					 Deleted: the electric utility
ten kilowatts (10 kW) or grea	•	idavit must be provided G	MQ, in addition to this dec	claration,	 Deleted: to Company
before GMQ, will make a reb	ate payment.				 Deleted: Company
The undersigned warrants, correct to the best of my kn Rebate program requiremen	owledge; and the in				
Installer's Signature					
Print Installer's Name					

Issued: February 27, 2017
Issued by: Darrin R. Ives, Vice President Effective: March 29, 2017 1200 Main, Kansas City, MO 64105

Deleted: November 8, 2016 Deleted: December 22, 2016

Customer-Generator's Signature\_

Owner's Address\_

Print Solar Rebate Customer-Generator's Name\_

If System not owned by Customer-Generator, Owner's Name\_\_\_\_\_

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			<u>1<sup>st</sup></u>		
				For Missouri Retail Ser	rvice Area
NET	METERIN	IG INTERCONN	IECTION APPLICATION	ON AGREEMENT ,	
		E	LECTRIC		
Solar Rebate Affida	vit (Requir	ed For Solar Inst	tallations only)		
			. certify that I ar	n the Customer-Generator	and the
lar system installed r	matches the				
	ner local or s	state mandate; an	nd 3) the SRECs will not	ve they been used to meet be offered for sale or sold t	
· ·	nts, certifies	s, and represents	that the information prov	vided in this form is true and ng and Solar Electric Rebat	
e best of my knowled quirements.	nts, certifies ge; and the	s, and represents installation meets	that the information provails all Missouri Net Meterion	ng and Solar Electric Rebat	e program
e best of my knowled quirements.	nts, certifies ge; and the	s, and represents installation meets	that the information provails all Missouri Net Meterion	ng and Solar Electric Rebat	e program
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