ELECTRIC SERVICE

APPLYING TO	MISS	OURI	SERVICE	AREA		
С	ANCELLING MO.P.S.C. SCHEDULE NO.	6	_	Original	SHEET NO.	171.5
	MO.P.S.C. SCHEDULE NO.	6	_	1st Revised	SHEET NO.	171.5

INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS

*Union Electric d/b/a Ameren Missouri (Company) Address:

One Ameren Plaza
1901 Chouteau Avenue
P.O. Box 66149, MC 921
St. Louis MO 63103
Att: General Executive, Renewables

*For Customers Applying for Interconnection:

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

If you wish to apply for interconnection to Company'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 Company at the address above.

The Company will provide notice of approval or denial within thirty (30) days of receipt by Company for Customer-Generators of ten kilowatts (10 kW) or less and within ninety (90) days of receipt by Company 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 Company, it shall become a binding contract and shall govern your relationship with Company.

*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 Company for review and completion of section G at the address above. Prior to the interconnection of the qualified generation unit to Company's system, the Customer-Generator will furnish Company 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 Company prior to interconnection. If the application for interconnection is approved by 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.

*Indicates Change

DATE OF ISSUE _	March 13, 2017	DATE EFFECTIVE	April 12, 2017
ISSUED BY	Michael Moehn	President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6		2nd	Revised	SHEET NO.	171.6
CANCELLING MO.P.S.C. SCHEDULE NO.	6		1st	Revised	SHEET NO.	171.6
APPLYING TO MIS	SOURI	SERVICE AR	EA			

INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS (Cont'd.)

*For Customers Who Have Received Approval of Customer-Generator System Plans and Specifications (Cont'd.):

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

- 1. That the bidirectional meter has been set and parallel operation by Customer-Generator is permitted; or
- 2. That the Company's inspection identified no deficiencies and the bidirectional meter installation is pending; or
- 3. That the Company's inspection identified no deficiencies and the timeframe anticipated for Company to complete all required system or service upgrades and install the bidirectional meter; or
- 4. Of all deficiencies identified during the Company's 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 conditions(s) impacting the installation of the bidirectional meter or the parallel operation of the system.

*For Customers Who Are Installing Solar Systems:

Ameren Missouri solar rebate funds are no longer available for new applicants. However, if you submitted an application in December 2013 you are in the rebate commitment queue. Please refer to Company's Rider SR - Solar Rebate for the applicable rebate rate and additional details and requirements. For those eligible, the rebate is limited to 25,000 watts (25 kW) and the rebate rate will be based on the following schedule:

\$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.

*Indicates Change

DATE OF ISSUE	March 13, 2017	DATE EFFECTIVE	April 12, 2017
ISSUED BY	Michael Moehn	President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

ELECTRIC SERVICE

MO.P.S.C. SCHEDULE NO.	6	lst Revised	SHEET NO.	171.7
CANCELLING MO.P.S.C. SCHEDULE NO.	6	Original	SHEET NO.	171.7
APPLYING TO MIS	SOURI	SERVICE AREA		

INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (Cont'd.)

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

^{*}Indicates Reissue

DATE OF ISSUE _	March 13, 2017	DATE EFFECTIVE	April 12, 2017
ISSUED BY	Michael Moehn	President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

Michael Moehn

NAME OF OFFICER

ELECTRIC SERVICE

MO.P.S.C. SC	CHEDULE NO. 6	1st	Revised	SHEET NO 171
CANCELLING MO.P.S.C. SC	CHEDULE NO. 6	Or	riginal	SHEET NO171
APPLYING TO				
* A. Customer-Generat	or's Information			
Name on Company Electric A	ccount:			
Service/Street Address:				
City:		State:	Zip Code	:
Mailing Address (if different f	rom above):			
City:		State:	Zip Code	i
Electric Account Holder Conta	act Person:			
Electric Account Holder E-ma	il address (if available)):		
Daytime Phone:	Fax:			
Emergency Contact Phone:				
Company Account No. (from V	Utility Bill):			
If account has multiple meters,	, provide the meter nur	nber to which generation	on will be connec	cted:
* P. Customor Conorate	or's System Info	rmation		
* B. Customer-Generate	-			
Manufacturer Name Plate:		kW		e one)
		Volts		
System Type:Wind,				
	cribe)			
Inverter/Interconnection Equip				
Inverter/Interconnection Equip				
Outdoor Manual/Utility Acces	sible & Lockable Disc	onnect Switch Distance	e from Meter:	
Describe the location of the di	sconnect switch:			
TO 11	1 100 10			
If disconnect switch is greater			•	nate location is being
requested:				
Existing Electrical Service Cap	•	•	Volts	
Service Character: Single Phas				
Total capacity of existing Cust	tomer-Generator System	m (if applicable):	kW	
System Plans, Specification	ons and Wiring Diag	gram must be <u>attac</u> l	hed for a valid	l application.
*Indicates Change				
DATE OF ISSUE March	13, 2017	DATE EFFECTIVE	April	12, 2017
			-1	•

President

TITLE

St. Louis, Missouri

ADDRESS

NAME OF OFFICER

ELECTRIC SERVICE

	MO.P.S.C. SCHEDULE NO.	6	_		2nd	Revised	SHEET NO.	171.9
	CANCELLING MO.P.S.C. SCHEDULE NO	6	_		1st	Revised	SHEET NO.	171.9
APPLYING TO	MIS	SOURI	SERVICE	AREA				

INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (Cont'd.)

Company Install	ing System:		
Contact Person of	of Company Installing System:	P	Phone Number:
Contractor's Lic	ense No. (if applicable):		
Approximate Ins	stallation Date:		
Mailing Address	s:		
City:		State:	Zip Code:
Daytime Phone:	Fax:	E-Mail:	
Person or Agenc	y Who Will Inspect/Certify Ins	stallation:	
and switch is loc has approved an device, accessible accessible discon The Customer-Go overvoltage, und synchronization prevents the gen	ated adjacent to the Customer- alternate location). The System le to Company. If the intercon- nunct, no redundant device is no denerator's proposed System has dervoltage, overfrequency, under to Company's electrical system erator from continuing to suppl	Generator's electric service m m is only required to include of nection equipment is equipped eeded to meet this requirement as functioning controls to prever frequency, and overcurrent, n. The proposed System does by power when Company's ele	ent voltage flicker, DC injection,
through energy s backup source th	storage or back-up generation, t	the proposed System includes	a parallel blocking scheme for this system when the electrical system is
Signed (Installer	·):		Date:
Name (Print):			
*Indicates Chan;	ga.		
mulcales Chang			
E OF ISSUE	March 13, 2017	DATE EFFECTIVE	April 12, 2017

TITLE

ADDRESS

ELECTRIC SERVICE

APPLYING TO	MISS	SOURI	SERVICE	AREA			
(CANCELLING MO.P.S.C. SCHEDULE NO	6		1st	Revised	SHEET NO.	171.10
	MO.P.S.C. SCHEDULE NO	6		2nd	Revised	SHEET NO.	171.10

INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (Cont'd.)

D. Additional Terms and Conditions

In addition to abiding by 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 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 Company's electrical system, Company may immediately disconnect and lock-out the Customer-Generator's System from Company's electrical system. The Customer-Generator shall permit 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 Customer-Generators greater than 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 Company to install additional distribution equipment to accommodate the Customer-Generator's facility, the Customer-Generator shall reimburse 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 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.

*Indicates Reissue **Indicates Change

DATE OF ISSUE	March 13, 2017	DATE EFFECTIVE	April 12, 2017
ISSUED BY	Michael Moehn	President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

ELECTRIC SERVICE

CANCELLING MO.P.S.C. SCHEDULE NO.	6	1st	Revised	SHEET NO.	171.11
APPLYING TO MIS	SOURI	SERVICE AREA			

INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (Cont'd.)

D. Additional Terms and Conditions (Cont'd.)

*4. Ownership of Renewable Energy Credits or Renewable Energy Certificates (REC's)

Renewable Energy Credits (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 Company all right, 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 Company confirms the solar electric system was installed and operational.

*5. Energy Pricing and Billing

The net electric energy delivered to the Customer-Generator shall be billed in accordance with the Company's applicable Rate Schedule No. 6, Schedule of Rates for Electricity. The value of the net electric energy delivered by the Customer-Generator to Company shall be credited in accordance with the net metering rate contained in Company's Electric Power Purchases From Qualified Net Metering Units tariff. The Customer-Generator shall be responsible for all other bill components charged to similarly situated customers that are not Customer-Generators.

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

- a. For a Customer-Generator, a retail electric supplier 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 supplier 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 supplier 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 supplier during a billing period, the Customer-Generator shall be billed for the appropriate customer charges as specified by the applicable Customer-Generator rate schedule for that billing period and shall be credited an amount for the excess kilowatt-hours generated during the billing period at the net metering rate identified in Company's tariff filed at the Public Service Commission, with this credit applied to the following billing period; 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 supplier.

*Indicates Change

DATE OF ISSUE _	March 13, 2017	DATE EFFECTIVE	April 12, 2017
ISSUED BY	Michael Moehn	President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

ELECTRIC SERVICE

APPLYING TO	MISS	SOURI	SERVICE	AREA			
C	CANCELLING MO.P.S.C. SCHEDULE NO	6		1st	Revised	_ SHEET NO	171.12
	MO.P.S.C. SCHEDULE NO.	6		2nd	Revised	SHEET NO.	171.12

INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (Cont'd.)

D. Additional Terms and Conditions (Cont'd.)

*6. Terms and Termination Rights

This Agreement becomes effective when signed by both the Customer-Generator and Company, and shall continue in effect until terminated. After fulfillment of any applicable initial tariff or rate schedule term, the Customer-Generator may terminate this Agreement at any time by giving Company at least thirty (30) days prior written notice. In such event, the Customer-Generator shall, no later than the date of termination of Agreement, completely disconnect the Customer-Generator's System from parallel operation with Company's system. Either party may terminate this Agreement by giving the other party at least thirty (30) days prior written notice that the other party is in default of any of the terms and conditions of this Agreement, so long as the notice specifies the basis for termination, and there is an opportunity to cure the default. This Agreement may also be terminated at any time by mutual agreement of the Customer-Generator and Company. This Agreement may also be terminated, by approval of the Commission, if there is a change in statute that is determined to be applicable to this contract and necessitates its termination.

*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. Company 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 Company, before the existing Customer-Generator System can remain interconnected with Company's electrical system. 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 agrees 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, Company will assess no charges or fees for this transfer. Company 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. Company 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 Company'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 Company a new Application/Agreement for the entire Customer-Generator System and all portions of the Application/Agreement must be completed.

*Indicates Reissue

DATE OF ISSUE	March 13, 2017	DATE EFFECTIVE	April 12, 2017
ISSUED BY	Michael Moehn	President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

ELECTRIC SERVICE

	MO.P.S.C. SCHEDULE NO	6		1s	st Revised	SHEET NO.	171.13
C	CANCELLING MO.P.S.C. SCHEDULE NO	6			Original	SHEET NO.	171.13
APPLYING TO	MIS	SOURI	SERVICE	AREA			

INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (Cont'd.)

D. Additional Terms and Conditions (Cont'd.)

*8. Dispute Resolution

If any disagreements between the Customer-Generator and Company 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.

*9. Testing Requirement

IEEE 1547 requires periodic testing of all interconnection related protective functions. The Customer-Generator must, at least once every year, conduct a test to confirm that the Customer-Generator's net metering unit automatically ceases to energize the output (interconnection equipment output voltage goes to zero) within two (2) seconds of being disconnected from Company's electrical system. Disconnecting the net metering unit from Company's electrical system at the visible disconnect switch and measuring the time required for the unit to cease to energize the output shall satisfy this test. The Customer-Generator shall maintain a record of the results of these tests and, upon request by Company, shall provide a copy of the test results to Company. If the Customer-Generator is unable to provide a copy of the test results upon request, Company shall notify the Customer-Generator by mail that Customer-Generator has thirty (30) days from the date the Customer-Generator receives the request to provide to Company, the results of a test. If the Customer-Generator's equipment ever fails this test, the Customer-Generator shall immediately disconnect the Customer-Generator's System from Company's system. If the Customer-Generator does not provide results of a test to Company within thirty (30) days of receiving a request from Company or the results of the test provided to Company show that the Customer-Generator's net metering unit is not functioning correctly, Company may immediately disconnect the Customer-Generator's System from Company's system. The Customer-Generator's System

	shall not be reconnected to Company's electrical system by the Customer-Generator until the Customer-Generator's System is repaired and operating in a normal and safe manner.					
*10.	Future Rates					
	Customer electricity rates, charges and serv subject to change. Future rate adjustments from your generation investment. Ameren electricity rate projections, including those	s may positively or negatively Missouri makes no guarantees	impact financial savings projected			
	nave read, understand, and accept the plication/Agreement.	provisions of Section D,	subsections 1 through 9 of this			
Sig	ned (Customer-Generator):		_Date:			
*Ir	dicates Reissue **Indicates Additio	n				
ATE O	FISSUE March 13, 2017	DATE EFFECTIVE	April 12, 2017			
	BY Michael Moehn	President	St. Louis, Missouri			
	NAME OF OFFICER	TITLE	ADDRESS			

ELECTRIC SERVICE

MO.P.	S.C. SCHEDULE NO. 6	2nd Revised	SHEET NO. 171.14
	.S.C. SCHEDULE NO. 6		SHEET NO. 171.14
APPLYING TO	MISSOURI SERV	ICE AREA	-
*			
INTERCONNECT	TON APPLICATION/AGREEN CAPACITY OF 100 kW		SYSTEMS WITH
*E. Electrical Insp			
•	ving Jurisdiction (AHJ) govern		ect:
Permit Number:	sdiction (AHJ):		
Applicable to all install			
	r System referenced above satisfic	es all requirements noted in Secti	on C
		•	on e.
	Licensed Engineer in Missouri		
•	_	ri License No	
Signed (Inspector):		Date:	
*F Customer-Gen	erator Acknowledgeme	nt	
information and/or an operation tariff operation of the Customer I agree to abide by the	terms of this Application/Agreen	. Also, I have been provided wi and interconnection requirements ment and I agree to operate and	th a copy of Company's s. I am familiar with the maintain the Customer-
interconnection standard operating in an unusual disconnect the Custome Customer-Generator Sysno less than thirty (30) dithat in any way may de	ccordance with the manufacturer ds. If, at any time and for any rel manner that may result in any er-Generator System and not restem is operating normally after relays prior to modification of the cograde or significantly alter that Strequire submission of a new Applia	eason, I believe that the Custom disturbances on Company's elec- econnect it to Company's elec- epair or inspection. Further, I a components or design of the Custo System's output characteristics.	ner-Generator System is lectrical system, I shall ctrical system until the agree to notify Company tomer-Generator System
	e Customer-Generator System in phas been approved by Company.	parallel with Company's electrica	ıl system until this
System Installation Date	::		
Printed Name (Customer	r-Generator):		
Signed (Customer-Gener	rator):	Date: _	
*Indicates Change			

DATE OF ISSUE March 13, 2017 DATE EFFECTIVE April 12, 2017

ISSUED BY Michael Moehn President St. Louis, Missouri

NAME OF OFFICER TITLE ADDRESS

UI	NON	ELEC	TRIC	COMPANY	

ELECTRIC SERVICE

	MO.P.S.C. SCHEDULE NO. 6		1st Revised	SHEET NO. 171.15
	CANCELLING MO.P.S.C. SCHEDULE NO. 6		Original	SHEET NO. 171.15
APPLYING TO	omissouri	SERVICE	AREA	
** <u>G. A</u>	oplication Approval (completed	by Com	pany)	
to prop	any does not, by approval of this Application of the persons due to matter's negligence.			
This A	pplication is approved by Company on this	day (of(month),	(year).
Compa	any Representative Name (print):			
Signed	Company Representative:			

^{*}Indicates Reissue

DATE OF ISSUE _	March 13, 2017	DATE EFFECTIVE	April 12, 2017
ISSUED BY	Michael Moehn	President	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS