### **AmerenUE**

Steven R. Sullivan

Vice President Regulatory Policy, General Counsel & Secretary

August 14, 2003

One Ameren Plaza 1901 Chouteau Avenue PO Box 66149, MC 1300 St. Louis, MO 63166-6149 314.554.2098

314.554.4014 fax srsullivan@ameren.com

Mr. Dale Hardy Roberts Secretary/Chief Regulatory Law Judge Missouri Public Service Commission 200 Madison Street, Suite 100 Jefferson City, MO 65102-0360

Dear Mr. Roberts:



The accompanying tariff sheets, issued by Union Electric Company d/b/a AmerenUE ("AmerenUE"), are being transmitted to you for filing as a revision of Schedule No. 1, Schedule of Rates for Electric Power Purchases:

Filed	Canceling
12th Revised Sheet No. 1	11th Revised Sheet No. 1
1st Revised Sheet No. 2	Original Sheet No. 2
2nd Revised Sheet No. 3	1st Revised Sheet No. 3
1st Revised Sheet No. 4	Original Sheet No. 4
1st Revised Sheet No. 5	Original Sheet No. 5
1st Revised Sheet No. 6	Original Sheet No. 6
Original Sheet No. 7	
Original Sheet No. 8	
Original Sheet No. 9	
Original Sheet No. 10	
Original Sheet No. 11	
Original Sheet No. 12	
Original Sheet No. 13	
Original Sheet No. 14	<b></b>
Original Sheet No. 15	
Original Sheet No. 16	A 10 to 4
Original Sheet No. 17	<b></b> -
Original Sheet No. 18	

These sheets are issued August 14, 2003 to become effective on and after September 13, 2003. However, the Company is requesting that the Commission approve these tariffs on an expedited basis.

Union Electric hereby requests that these tariff sheets take effect on less than thirty days' notice, pursuant to Section 393.140 (11) RSMo 1994 and 4 CSR 240-2.065 (2). These revised sheets reflect the addition of Net Metering tariffs to the Company's

Mr. Dale Hardy Roberts August 14, 2003 Page 2

Schedule 1. As Section 386.887, RSMo Supp. 2002 – The Consumer Clean Energy Act and Commission Rule 4 CSR 240-20.065 - Net Metering require adoption of same by Company on August 28, 2003, the Company believes good cause exists for this request.

The following housekeeping changes were necessary to accommodate the addition of the Net Metering tariffs to the Company's Schedule 1:

- Sheet 1 was converted to a Table of Contents for Schedule 1
- Sheets 2 through 7 contain the currently approved Qualified Facilities tariff sheets and are being reissued using different sheet numbers

Sincerely,

Steven R. Sullivan

### **Enclosures**

cc: w/ encl.: Office of the Public Counsel

Warren Wood Tom Imhoff

	P. S. C. MO. SCHEDULE NO.	1	12 <sup>th</sup>	Revised	_SHEET NO 1
	CANCELLING SCHEDULE NO.	1	11 <sup>th</sup>	Revised	SHEET NO. 1 (M)
APPLYING TO	MIS	SOURI	SERVICE AREA		
		"			
		*TABLE	OF CONTENTS		
			<del></del>		
	ELEC	CTRIC	POWER PURCHASE	<u> </u>	
					Sheet
Section	<u>s</u>				_No.
A. Ele	ctric Power Purchases	from	Oualifuin-		
Fac	ilities	TTOM	Quartiying		2
B. Ele Net	ctric Power Purchases Metering Units	from	Qualified		8
1100	necering onics				
*Indicate	es Change				

P.S.C. Mo.DATE OF ISSUE August 14, 2003 DATE EFFECTIVE September 13, 2003 Chairman & CEO St. Louis, Missouri
TITLE ADDRESS ISSUED BY C. W. Mueller
NAME OF OFFICER

P.S.C. MO., ILL	L. C. C	C., IA. ST. C. C. SCHEDULE NO.	1		1st	Revised		SHEET NO. 2	1
		CANCELLING SCHEDULE NO.			-	GINAL			
PPLYING TO		S WOLLENG CONLEGGE NO.		URI SE			<del></del>	SHEET NO. 2	(14)
	•								
*A.	ELE	ECTRIC POWER PURCHA	SES FROM	QUALIE	YING	FACILITI	ES		
I.	Apr	olication. This ta	ariff app	olies t	o pur	chases c	f electi	cic energy	or
	ele	ectric energy and o	capacity	from Q	ualif	ving Fac	ilities	(hereinaf	ter
	20.	ferred to as "Cust .060 of the Missour	omer") u i Public	nder t. Servic	he pr ce Cor	ovisions mmission.	of Rul	e 4 CSR 2	40-
11.	cus	andard Rates for Pustomer with a design	rchase.	The s	tanda 100 ki	rd rates Vor less	for pur	chase from	m a
							are as	TOTIOWS.	
	1.	Non-Time - Differ	<u>entiated</u>	Energy	Rate	<u> </u>			
		Summer Rate (Appl	icable d	luring 4	4 mon	thly bil	ling per	iods of J	une
		through September	)						
		Summer			1.78	per kWh	1		
		Winter Rate (App	olicable	during	т 8	monthly	hilling	porioda	<u> </u>
		October through M	ay)	4411	, 0	montani y	DITITING	periods	U
		Winter			1.426	per kWh	<b>,</b>		
	^	mi piec				F-0-2	•		
	۷.	Time-Differentiate	ed Energy	y Rate					
		Summer Rate (Appl	icable d	uring 4	4 mon	thly bil	ling per	iods of J	une
		through September	)						
		Weekday (10 AM - : Weekday (10 PM - :	10 PM)		2.40	per kWh	L		
		Weekday (10 PM - ) Saturday, Sunday,	10 AM) Holiday	(1)	1.39¢	: per kWh	<u> </u>		
		Winter Rate (App October through Ma	licable	during	8	monthly	billing	periods	of
		_	-						
		Weekday (10 AM - ) Weekday (10 PM - )				per kWh per kWh			
		Saturday, Sunday,	Holiday	(1)		per kWh			
		(1) Legal Holida	ve of Mor	u Vear!	e Davi	, Cood E	and dave		
		Memorial Day							
		Thanksgiving Eve Day, and	Day, Tha	anksgiv	ing F	riday, C	hristmas	3	

\*Indicates Reissue

P.S.C. Mo. I	DATE OF ISSUE	August	14, 2003	DATE EFFECTIVE	Septemb	er 13, 2003
ISSUED BY		. Mueller	Chai	rman & CEO	St. Lou	is, Missouri
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### ELECTRIC SERVICE

ONION EEE	CIRIC COMPANT	ELECTR	IIC SERVICE		
P. S. C. MO., II	.L. C. C., IA. ST. C. C. SCHEDULE	NO. 1	2 <sup>nd</sup> Revised	SHEET NO	3
APPLYING TO	CANCELLING SCHEDULE		1 <sup>st</sup> Revised SERVICE AREA	SHEET NO.	3 (M)
ATTENNO 10_		MISSOOKI	SERVICE AREA		<del></del> -
*A.	ELECTRIC POWER PUR	CHASES FRO	DM QUALIFYING FACILITIES	- (CONTINUED)	
}	3. <u>Customer Charge</u>	e (per met	er required for parallel	operation)	
	Non-Time Differ	rentiated	Energy		
:		\$4.00 1	per month - Single Phase		
			per month - Three Phase		
	Time Differenti				
			per month - Single Phase		
ļ			per month - Three Phase		
	I. Billing	,	por monon into inde		
		between	Company and Customer shal	l be in	
	accordance with	the Cont	ract between the parties.		
	* Indicates Rei	ssue			
4					

P.S.C. Mo. DATE OF ISSUE August 14, 2003 DATE EFFECTIVE September 13, 2003

ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri

NAME OF OFFICER TITLE ADDRESS

				DULE NO. 1	1 <sup>st</sup> Revised	SHEET NO. 4
APPLYING TO	CAI	NCELLI	NG SCHE	DULE NO. 1 MISSOURI SERV	ORIGINAL	SHEET NO. 4 (1
				THE DESCRIPTION OF THE PROPERTY OF THE PROPERT	TOD AREA	
*A.	ELECT	RIC	POWER	R PURCHASES FROM	QUALIFYING FACILI	TIES - (CONTINUED)
III.	Comp be r Elec	any equi tric	under red t Comp	the standard rat o make any purcha	ase from Customer	ic Company shall not
IV.	the	regu tari	ff ar	ns as may be revi	sed from time-to-	ll Commission rules -time. All terms of s normal complaint
v.	Guide Unio	elin n El	e Tecl ectri	hnical Requiremer c System.	ts for Parallel	Operation with the
,	1.	Inti	oduct	ion		·
		oper with will plar each thos	ration the serv ning inst	of Customer-own UE system are set e as a guide for such an installat allation may have forth herein as	t forth below. T UE and Customer tion; however. it	herating facilities These requirements engineering when is recognized that ements other than
	2.	Gene	ral T	echnical Requirer	nents	
		A.	Prote	ection		
			(1)	of detecting fa and the UE syst Customer's syst directly or thr circuit breaker capable of inte- current. The de- speed of these	ult conditions or em. These device em from the UE syough an auxiliary . The separating the avai	y device such as a y device must be lable fault yity and operating compatible with
			(2)	automatically se	all install equip eparate his syste s of the normal U	oment designed to em from the UE UE supply.
			(3)	Customer-owned efaults or other	responsible for equipment in such disturbances on em do not cause d	a manner that the UE system or on
	* In	dica	ates R	Reissue		
			•			

P. S. C. MO., IL				<del></del>		1 <sup>st</sup> Revi		SHEET NO	5
APPLYING TO _	CANCELL	ING SCH			SERVICE	ORIGINA <b>AREA</b>	'T	SHEET NO	5 (1
	<del></del>								
*A.	ELECTRIC	POWE	R PUF	RCHASES F	ROM QUAL	FYING FACI	LITIES - (	CONTINUED	<u>)</u>
		(4)	the composition of the compositi	proposed ices pric adequacy patibilit tem and w cify add:	d generator to par to par y of this ty with pwill eith itional e	sh information equipme allel opera proposed e rotective der approve quipment whallel oper	ent and pro tion. UE equipment a devices on as submitt tich will b	tective will chec nd its the UE ed or	k
		(5)	The	system re se relays	elay sett:	settings t ings will b initially ion.	e specifie	d by HE	
		(6)	which of the	ch is unc che UE di capabili	der the ex .spatcher	connect swi kclusive ju . This man locked out	risdiction ual switch	al control	1
		(7)	prot with and/	ection r paralle or equip	equirement el generat	are the bants that wo tion. Addi- d depend on nection.	uld be asso tional requ	ociated uirements	
	В.	Oper	atio	n					
		(1)	one orde swit	is requi r for UE	red) must to opera may reque	ons the in- be operate te the man est this act	ed by Custo ual disconr	omer in nect	
			a.	System e	emergency				
			b.	Inspecti protecti condition	lve equip	stomer's ge ment reveal	nerating e s an unsaf	quipment d e	or
			c.	Customer other cusystem.	's genera	ating equip or with the	ment inter operation	feres with of the U	h E
			d.	An outag or feede	ge is sche er.	eduled on t	he UE supp	ly circuit	t
	* Indic	ates	Reis	sue					

August 14, 2003 DATE EFFECTIVE September 13, 2003 ISSUED BY C. W. Mueller Chairman & CEO St. Louis, Missouri

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7 . C. C. M.C., IL	L. O. O., IA. 31. C	. C. SUH	EDULE NO1	1 <sup>st</sup> Revised	SHEET NO.	6
	CANCEL	ING SCH	EDULE NO. 1	ORIGINAL	SHEET NO.	6 (M
APPLYING TO _			MISSOURI SERVIC	E AREA		
*A.	ELECTRIC		Customer shall be synchronizing his frequency and volt	solely responsible fo generating equipment age. This includes s generator(s) after	r properly with the UE	_
			outages or disturb	ances.	- 4	
	C.	Qua:	lity of Service			
		(1)	equipment with the reduction in the q to other customers on any UE faciliti objective, wave fo to Customer's faci	n of Customer's general UE system shall not a uality of service being or cause any undesires. In order to achieve guidelines presentablity and which are measured between the utily are as follows:	cause any ng provided able effect eve this ly applicab	le he
			a. The phase unba	lance must be less th	an 1%,	
			b. The arithmetic or voltage mus	sum of harmonics in t be less than 10%, a	the current	:
			c. The root of th	e sum of the squares or voltage must be l	of harmonic ess than 5%	s.
			guidelines which as by experience as we	ould be viewed as generate subject to change and the unique naturate at each point of inter	as dictated are of the	
		(2)	generating equipmer	f Customer's load with nt connected shall not d by retail tariff for class.	be less	
	D.	Mete	ring			
		are and appli varia excessyste facili general	divided into two gradients of two gradients of two customer's factorials of the customer sentences. "One-way Power lities whose load is rating capacity so the control of the customer sentences."	ilities connected to coups: (1) "Two-way Power Flow." "Two-way Power ilities whose load is not generating capaced power could flow in Flow" would apply to s significantly larger that no Customer-general system except under face	wer Flow," r Flow" wou sufficient city so tha nto the UE Customer's r than their	ld ly t
	* Indic	ates	Reissue			
<del> </del>						

PLYING TO	CANCELLING SCH	HEDULE NOSHEET NOSHEET NO
*A.	ELECTRIC POWE	R PURCHASES FROM QUALIFYING FACILITIES - (CONTINUED)
	(1)	Two-way Power Flow
		This type of installation provides for the interchange of energy in either direction as a normal operating mode.
		The revenue metering for Two-way Power Flow installations shall include two series connected watthour meters with detents. One meter shall be connected to measure energy supply to Customer froue; the other meter shall measure Customer-generate energy supplied to UE. The meter detents prevent operation of either meter in the reverse direction
		Additional metering may or may not be required depending on the terms of the contract between UE and Customer.
	(2)	One-way Power Flow
		This type of installation does not allow the interchange of energy from Customer to the utility
		The intertie circuit breaker will be tripped by equipment capable of detecting the reverse power flow condition toward the UE system.
		This type installation requires a single revenue meter installation with detent to prevent operation of the meter in the reverse direction.
		Additional metering may or may not be required depending on the terms of a contract between UE and Customer.
	E. Othe	er Requirements
	(1)	All Customer installations shall adhere to any applicable requirements of the National Electrical Safety Code, the National Electric Code, applicable NEMA codes, OSHA, and UE's Electric Service Rules a set forth in published tariffs.
	(2)	Customer will bear all interconnection costs of parallel operation over and above the normal cost to serve his load.
	* Indicates	Reissue

P.S.C. MO. SCHEDULE	NO. 1	Original	SHEET NO. 8
CANCELLING SCHEDUL	E NO		SHEET NO.
APPLYING TO	MISSO	URI SERVICE AREA	

### B. ELECTRIC POWER PURCHASES FROM QUALIFIED NET METERING UNITS

I. Application. This tariff applies to Company or UE purchases of electric energy from Qualified Net Metering Units (hereinafter referred to as "Customer-Generator") under the provisions of Rule 4 CSR 240-20.065 of the Missouri Public Service Commission. Customer-Generator must meet the general technical requirements, testing requirements, and liability requirements listed under the provisions of Rule 4 CSR 240-20.065 as well as the requirements specified in the Customer-Generators' applicable rate class under the Company's Schedule 5 - Schedule of Rates for Electric Service. Service under this rate shall be evidenced by a contract between Customer-Generator and Company per the Interconnection the Application/Agreement for Net Metering Systems With Capacity of 100 kW or less. Company will provide net metering service until the total rated generating capacity used by Customer-Generators is equal to or in excess of the lesser of ten thousand kilowatts (10,000 kW) or one-tenth of one percent (0.1%) of the capacity necessary to meet Company's aggregate customer peak demand for the preceding calendar vear.

### II. Billing.

a) Energy Pricing and Billing. The value of the electric energy delivered to the Customer-Generator shall be billed in accordance with the Company's applicable Schedule 5 - Schedule of Rates for Electric Service, Service Classification with the application of the Time-of-Day billing provisions. The value of the electric energy delivered by the Customer-Generator to Company shall be credited under the Time-Differentiated Energy Rates contained in Section A.II.2. herein. Customer-Generator's monthly bill shall be the total of these calculations.

### b) Customer Charge

The amount listed for the customer's current rate schedule for delivery of electric power and energy.

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SSUED BY	C. W. Mueller	Chairman & CEO	St. Louis, Missouri
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UNION ELE	JNION ELECTRIC COMPANY ELECTRIC SERVICE									
P. S. C. MO., ILI	L. C. C., V	A. ST. C	. C. SCHEI	DULE NO1		ORIGINAL	SHEET NO. 9			
APPLYING TO	C,	ANCELL	ING SCHE	DULE NO MISSOURI SI	ERVICE A	DFA	SHEET NO.			
				TITOCONT D	EKATCE A	NEA .				
В.	(CON	TRIC TINU	POWER ED)	PURCHASES FRO	M QUALII	FIED NET METERI	ING UNITS -			
III.	be : Unio	Contract. Whether or not purchases are made by Union Electric Company under the standard rates, Union Electric Company shall not be required to make any purchase from Customer-Generator until Union Electric Company and Customer-Generator have entered into a written contract for such purchases.								
IV.	and the	regu	ılatior iff are	is as may be r	evised f	rom time-to-ti	Commission rules me. All terms of normal complaint			
v.	Guid Unio	delir on El	ne Tech Lectric	nnical Require System.	ments fo	or Parallel Ope	eration with the			
	1.	Int	roduct	ion						
	2.	fac req Gen how spec res	ration ilities uiremen erator ever, cific ult of	of Customer-G s with the UE nts will serve engineering w it is recogniz requirements o each installa	Senerator system as a grander plan ed that other that stion's r	ents for safe par's electrical are set forth builde for UE and ming such an important and those set formique nature.	generating pelow. These d Customer-			
	۷.	Gene		echnical Requi	rements					
		A.	Prote	ction						
			(1)	capable of de system and the separate Cust system either device such a device must be available fau and operating	etecting ne UE sy tomer-Ge direct as a cir be capab alt curr g speed	fault conditions fault conditions fault conditions fault conditions fault conditions fault breaker. The of interrupt conditions fault conditio	em from the UE an auxiliary The separating ting the ction sensitivity es must be			
			(2)	designed to a	utomatio	or shall instal cally separate oss of the norm	his system from			
			(3)	protecting Cu manner that f	stomer-( aults o Custome	r other disturb Generator's s	uipment in such a pances on the UE			

P. S. C. MO., IL	L. C. C., IA. ST. C. C. SCH	EDULE NO. 1	ORIGINAL	SHEET NO. 10
ADDI VINO TO	CANCELLING SCI			SHEET NO.
APPLYING TO		MISSOURI SER	VICE AREA	
В.	ELECTRIC POWE (CONTINUED)	R PURCHASES FROM	QUALIFIED NET METERING	UNITS -
	(4)	regarding his protective device will check the and its compatible of the system and will specify addition	tor shall furnish information equiposed generation equiposes prior to parallel cadequacy of this propositity with protective ill either approve as shall equipment which will have parallel operation where the case of the categories of the categori	ipment and operation. UE sed equipment devices on the submitted or
:	(5)	UE system relay	relay settings that wou settings will be speci Il be initially calibra peration.	fied by UE.
	(6)	which is under to of the UE dispate	e disconnect switch mus the exclusive jurisdict cher. This manual swi to be locked out of ser chman.	ional control
	(7)	protection requi	ments are the basic min rements that would be eneration. Additional would depend on an in connection.	associated requirements
	B. Open	ration		
	(1)	one is required) Generator in ord	nditions the intertie must be operated by C er for UE to operate th. UE may request thi wing reasons:	ustomer- he manual
		a. System emerg	gency.	
		b. Inspection of equipment or unsafe condi	of Customer-Generator's protective equipment tion.	s generating reveals an
		interferes v	nerator's generating equith other customers or the UE system.	quipment with the
		d. An outage is or feeder.	scheduled on the UE s	supply circuit
	·			

		ELLOTRIC .	DEITHOL	
P. S. C. MO., 1L	L. C. C., IA. ST. C.	C. SCHEDULE NO. 1	ORIGINAL	SHEET NO. 11
	CANCELL	ING SCHEDULE NO.		SHEET NO.
APPLYING TO _		MISSOURI SEF	RVICE AREA	OTILET NO.
В.	ELECTRIC (CONTINUE	POWER PURCHASES FROM (D)	QUALIFIED NET METERIN	G UNITS -
		properly synchr the UE frequence	etor shall be solely reconizing his generating by and voltage. This is his generator(s) afte urbances.	equipment with
	c.	Quality of Service		
		generating equi cause any reduc provided to oth effect on any U	tion of Customer-Gener pment with the UE syst tion in the quality of er customers or cause E facilities. Such in nt to the latest revis	em shall not service being any undesirable terconnection
		his generating	r of Customer-Generato equipment connected sh fied by retail tariff omer class.	all not be less
	D.	Metering		
		series connected wat shall be connected to Customer-Generator of period; the other me generated energy fro during the billing poperation of either Customer-Generator is costs for the meteriathe energy from the order to properly me Customer-Generator to	thour meters with determined to measure energy supplied from Company during the ster shall measure Custom the Customer-Generate from the reverse of the seriod. The meter determeter in the reverse of the seriod seriod for adding equipment required Customer-Generator to asure the net energy for Company, meters capainterval usage may be	ents. One meter y to the billing omer-Generator or to Company nts prevent irection. The tional metering for metering Company. In rom the ble of

P. S. C. MO., ILI	L. C. C., IA. ST. C. C. SCI	EDULE NO. 1	ORIGINAL	SHEET NO. 12
APPLYING TO	CANCELLING SCH	HEDULE NO MISSOURI SER	VICE ADEA	SHEET NO.
		PIESCORI SER	VICE AREA	
В.	ELECTRIC POWE (CONTINUED)	R PURCHASES FROM	QUALIFIED NET METERI	NG UNITS -
	E. Oth	er Requirements		
	(1)	<pre>any applicable Electrical Safe applicable NEMA</pre>	nerator installations requirements of the N ty Code, the National codes, OSHA, and UE' s set forth in publis	Mational Electric Code, s Electric
	(2)	Customer-General costs of paralle normal cost to	tor will bear all int el operation over and serve his load.	erconnection above the
				i
SC Mo DATE O		mat 14 2002		

August 14, 2003 DATE EFFECTIVE September 13, 2003 ISSUED BY C. W. Mueller Chairman & CEO
NAME OF OFFICER TITLE St. Louis, Missouri ADDRESS

### **ELECTRIC SERVICE**

P. S. C. MO., ILL. C. C.	, IA. ST. C. C. SCHEDULE NO. 1	ORIGINAL	SHEET NO.	13
APPLYING TO	CANCELLING SCHEDULE NO.	OHDWYOU A DE-	SHEET NO.	
/3.1 E1 MG 10	MISSOURI	SERVICE AREA		

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

For Customers Applying for Interconnection:

If you are interested in applying for interconnection to Union Electric Company's (Company) 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 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:

One Ameren Plaza
1901 Chouteau Avenue
St. Louis MO 63103
Att: Manager Regulatory Development

You will be provided with an approval or denial of this Application within ninety (90) days of receipt by Company. 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:

One Ameren Plaza
1901 Chouteau Avenue
St. Louis MO 63103
Att: Manager Regulatory Development

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

# 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:

One Ameren Plaza
1901 Chouteau Avenue
St. Louis MO 63103
Att: Manager Regulatory Development

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	Mueller	Chairman 8	CEO	St. Louis, Missouri
NAME	OF OFFICER	TITLE		ADDRESS

### **ELECTRIC SERVICE**

PLYING TO _	CANCELL	NO COMEDIME NO				SHEET NO.
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		MIS	SOURI SERV	VICE AREA		
INT					FOR NET ME SS – (CONTINU	
changes a	any if the new are being proposi- Generator who	v Customer-General content of the content of the content of the existing of the content of th	erator has sati g Customer-Govership or or	sfactorily complete enerator System. To perational control	h, within fifteen (15) ed Application/Agre There are no fees or of an existing Custo	ement, and
Mama		erator's Infor				
Mailing A	ddress:			Zip Code: Zip Code: E-Mail:		
City:			State:	Zip Code:		
Service/St	reet Address (if	different from ab	ove):			
Daytime P	hone:	Fav	State:	Zip Code:	<del></del>	
Emergenc	y Contact Phone		<u> </u>	E-IVIAII;		
Company	Account No. (fi	om Utility Bill):				
Are Requi	red System Plan	Equipment Model as & Specification Equipment Location	s Attached?	YesNo		
				le Disconnect		ı (describe
	lectrical Service	Capacity:	Amperes	Voltage:	Volts	
Existing El Service Ch	aracter: Single	Phase Three P	hase			
Service Ch  C. Insta  Person or C  Contractor	llation Info Company Install 's License No. (	Phase Three Property of the	lware and	Installation C		
Service Ch  C. Insta  Person or ( Contractor  Approxima	llation Info Company Install 's License No. (ate Installation I	Phase Three Property in the	lware and			
Service Ch  C. Insta  Person or C  Contractor  Approxima  Mailing Ad	llation Info Company Install 's License No. ( te Installation I	Phase Three Property in the	dware and			
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### **ELECTRIC SERVICE**

P. S. C. MO., ILL. C. C	., IA. ST. C. C. SCHEDULE N	0. 1	ORIGINA	<u>.L</u> s	HEET NO15
	CANCELLING SCHEDULE N			s	HEET NO.
APPLYING TO	<u>M</u>	ISSOURI SER	VICE AREA		
	CONNECTION AP STEMS WITH CAI				=
Code (NESC), Underwriters L System type, th installation con Company. The personnel. Th Company. If the redundant device The Customer- overvoltage, u synchronization that prevents th operating norm through energy backup source to not energized o	Generator's proposed S National Electric Code aboratories (UL) require nese requirements include mplies with all applica e proposed System has a ne System is only require the interconnection equip the interconnection of this Generator's proposed Syndervoltage, overfrequen to Company's electricate generator from continually. If the proposed Syntax storage or back-up gene that prevents any backflor r not operating normally the syntax sy	e (NEC), Institutements for electric le, but are not lible local electric lockable, visibliared to include ment is equippe requirement. The ency, underfrequent system. The sing to supply postem is designed that is designed to the property of power to C.	te of Electrical and Electrical equipment and the mited to, UL 1741 and ical codes and all real edisconnect device, accone lockable, visible downth a visible, lockable oning controls to prevenency, and overcurrent proposed System does over when Company's electrical system and overcurrent proposed System does over when Company's electrical system and overcurrent proposed System does over when Company's electrical system and overcurrent proposed System does over when Company's electrical system and overcurrent proposed System includes a proposed System incl	ectronics Engineer ir installation. As IEEE 929-2000. sonable safety recessible at all time lisconnect device, le, and accessible on the voltage flicker, t, and to provide have an anti-islar lectric system is not ble power to critical parallel blocking stem when the electric	rs (IEEE) and applicable to The proposed quirements of set to Company accessible to disconnect, no DC injection, a for System adding function of energized or al loads, either cheme for this
In addition to	al Terms and Con abiding by Company d agrees to the following	s other applic		itions, the Custor	ner-Generator
If it appears to Generator's System Company may electrical system	eration/Disconnection Company, at any time, ir stem is adversely affect immediately disconner in. The Customer-Genera and examine the Custom	ing safety, powe ct and lock-out ator shall permit	r quality or reliability of the Customer-Genera Company's employees:	of Company's elec- tor's System from	ctrical system, n Company's
of all risk of lia the operation of	bility Generator agrees to carry bility for personal injuri f the Customer-Generator an existing policy.	es (including de	ath) and damage to prop	perty arising out of	f or caused by
The Customer-Cand inspect, an further agrees to are the reasonab of the Customer	Generator shall, at the C d shall be fully responso pay or reimburse to Coole costs incurred by Corr-Generator's System on controls. These Interconn	sible for the Cu ompany all of Co mpany for: (1) a of Company's loc	stomer-Generator's Systempany's Interconnection dditional tests or analys al distribution system,	stem. The Custon on Costs. Intercon es of the effects of (2) additional met	ner-Generator nection Costs the operation
P.S.C. Mo. DATE OF ISS	SUEAugust :	14, 2003	DATE EFFECTIVE	September	13, 2003
ISSUED BY C.	W. Mueller	Chairm	an & CEO	St. Louis,	Missouri
	NAME OF OFFICER	<del></del>	TITLE	ADI	DRESS

### **ELECTRIC SERVICE**

P. S. C. MO., ILL. C. C., IA. ST. C. C. SCHEDULE NO. 1	ORIGINAL s	HEET NO	16
CANCELLING SCHEDULE NO	SERVICE AREA	HEET NO	

# INTERCONNECTION APPLICATION/AGREEMENT FOR NET METERING SYSTEMS WITH CAPACITY OF 100 kW OR LESS – (CONTINUED)

physical facilities necessary to permit interconnected operation of the Customer-Generator's System with Company's system and shall only include those costs, or corresponding costs, which would not have been incurred by Company in providing service to the Customer-Generator solely as a consumer of electric energy from Company pursuant to Company's standard cost of service policies in effect at the time the Customer-Generator's System is first interconnected with Company's system. Upon request, Company shall provide the Customer-Generator with a not-to-exceed costs statement for interconnection with Company based upon the plans and specifications provided by the Customer-Generator to Company.

### 4) Energy Pricing and Billing

Section 386.887 RSMo Supp. 2002 sets forth the valuation and billing of electric energy provided by Company to the Customer-Generator and to Company from Customer-Generator. The value of the electric energy delivered to the Customer-Generator shall be billed in accordance with Company's applicable Schedule 5 – Schedule of Rates for Electric Service, Service Classification with the application of the Time-of-Day billing provisions. The value of the electric energy delivered by the Customer-Generator to Company shall be credited in accordance with Company's Schedule 1 – Electric Power Purchases, Section A.II.2.

### 5) 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.

### 6) 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. 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 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

P.S.C. Mo. DAT	E OF ISSUE August	t 14, 2003 DATE EFFECTIVE	September 13, 2003
ISSUED BY	C. W. Mueller	Chairman & CEO	St. Louis, Missouri
	NAME OF OFFICER	TITLE	ADDRESS

### **ELECTRIC SERVICE**

PPLYING TO				·	SHEET NO
	CANCELLIN	G SCHEDULE NO. MISSO	JRI SERVICE	AREA	SHEET NO.
INTER	RCONNEC (STEMS V	TION APPLIC	ATION/AGI	REEMENT FOR N	ET METERING ONTINUED)
Application/A that the new with Compan System that Customer-Ge System and a:  7) D If any disagr normal nego Commission I complaints ar only to retail	Agreement ba Customer-Ge ny's electrical in any way merator shall ll portions of vispute Resolu- teements between the between the between the parties of the parties of the parties of the customer of the cus	ck to the new Custonerator is authorized system. If any charmay degrade or stability to Company the Application/Agration ween the Customerate them, the dispersion of the Action of the Customerate of the	tomer-Generator and to operate the anges are planne ignificantly alte a new Applicat eement must be Generator and agreements ma all or formal cor	r, thereby notifying the existing Customer-Ge ed to be made to the exist that System's output tion/Agreement for the completed.  Company arise that can be brought to the mplaint. Procedures for it procedures described it	new Customer-Generatinerator System in parallisting Customer-Generatic characteristics, then the entire Customer-Generation of the resolved through Missouri Public Serviciling and processing them 4 CSR 240-2.070 app Missouri Public Servicines
The Customer net metering usero) within to metering unit for the unit to record of the Company. If shall notify the Customer-Ger Generator's Se Generator's Se Company with Company sho	unit automatic two (2) secon from Compai o cease to er results of the the Customer- nerator receiv quipment ever system from (2) thin thirty (30) ow that the C disconnect the	rust, at least once excelly ceases to energized of being discoming by a lectrical system ergize the output see tests and, upon ex-Generator is unall designerator by mail the request to refails this test, the company's system. It is a least of the company's company's company's company's company's company's company's controller of the company's c	gize the output ( nected from Cor n at the visible of hall satisfy this request by Cor ole to provide a that Customer-General If the Custome a request from s net metering or's System from	interconnection equipment of the connect switch and make test. The Customer-Grapany, shall provide a copy of the test result. Generator has thirty (30 mpany, the results of a rator shall immediately ex-Generator does not part of the company or the result unit is not functioning	the Customer-Generator ent output voltage goes on. Disconnecting the neasuring the time requirementator shall maintain copy of the test results is upon request, Compard) days from the date that test. If the Custome disconnect the Custome rovide results of a test its of the test provided to correctly, Company mathe Customer-Generator
System shall r	not be reconn ystem is repai	red and operating in	a normal and s	afe manner.	erator until the Customer
System shall r Generator's Sy	ystem is repai understand,	red and operating ir	a normal and s	afe manner.	erator until the Customer

NAME OF OFFICER TITLE ADDRESS

### **ELECTRIC SERVICE**

P. S. C. MO., ILL. C. C., IA. ST	C.C. SCHEDULE NO	1	ORIGINAL	SHEET NO. 1
	ELLING SCHEDULE NO MISS		AREA	SHEET NO.
INTERCONN SYSTEM	ECTION APPLI S WITH CAPAC	CATION/AGR CITY OF 100 kV	EEMENT FOR V OR LESS – (	NET METERING CONTINUED)
E. Electrical Insp The Customer-General Inspector Name (print) Inspector Certification License No.	tor System referenced ): :: I am a Licensed Er	ngineer in Missouri		n Section C.  ———————————————————————————————————
Signed (Inspector):			Date:	
interconnection standar operating in an unusual disconnect the Custom Customer-Generator Sy no less than thirty (30	accordance with the rds. If, at any time ar all manner that may remer-Generator System system is operating normally days prior to modify may degrade or sign.	manufacturer's re nd for any reason, I esult in any disturb and not reconnec mally after repair or fication of the com ificantly alter that S	commended practi- believe that the Cu- ances on Company's t it to Company's inspection. Further aponents or design ystem's output char	and maintain the Customer- ces as well as Company's stomer-Generator System is 's electrical system, I shall electrical system until the r, I agree to notify Company of the Customer-Generator racteristics. I acknowledge to Company.
I agree not to operate Application/Agreement Signed (Customer-Gene	has	tor System in parall been	el with Company's approved Date:	electrical system until this by Company.
G. Application Ap Company does not, by a to property or physica Customer-Generator's r This Application is appl Company Represen	approval of this Applical injury to persons a degligence.	cation/Agreement, adue to malfunction	of the Customer-	pility or liability for damage Generator's System or the (year).
Signed Company Repre	sentative:			
. Mo. DATE OF ISSUE	August 14, 2	2003 DAT	E EFFECTIVE S	eptember 13, 2003
ED BY C. W. M				t. Louis, Missouri