

May 10, 2018

18-WSEE-493-TAR

Kansas Corporation Commission 1500 SW Arrowhead Road Topeka, KS 66604-4027

RE: Net Metering Rider updates

To Whom It May Concern:

Westar Energy, Inc. and Kansas Gas and Electric Company (collectively Westar Energy) hereby file a redline and clean copy of the Net Metering Rider (schedule NMR) detailing proposed changes that Westar requests the Commission review and approve.

The proposed changes include requiring a one-line wiring diagram with the plans for the system as well as additional information in the application about the facility being installed. The additional information is intended to both increase accuracy of reporting on the renewable capacity interconnected to Westar's system and provide distribution engineers with necessary details needed to better analyze any effect of said interconnected distributed generation.

If you have questions concerning this report, please contact me at 785-575-6422.

Sincerely,

Scott Unekis Regulatory Affairs

cc: Jeff Martin Larry Wilkus Cathy Dinges

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THE STATE CORPORATION COMMISSION OF KANSAS			
WESTAR ENERGY, INC & KANSAS GAS & ELECTRIC COMPANY, d.b.a. WESTAR ENERGY	SCHEDULE	NMR	
(Name of Issuing Utility)			
WESTAR RATE AREA	Replacing Schedule_	<u>NMR</u> Sheet <u>1</u>	
(Territory to which schedule is applicable)	which was filed	October 28, 2015	
No supplement or separate understanding shall modify the tariff as shown hereon.	Shee	et 1 of 20 Sheets	

AVAILABLE

This service is for net metering customers taking service on or after July 1, 2014. Net metering service is available under this Rider at points on the Company's existing distribution facilities for customers operating generation powered by renewable energy resources. The net metering service shall be available on a first-come, first-serve basis until the total rated generating capacity of total connected load from renewable generation (net metered facilities per KSA 66-1265) equals one percent of the Company's peak demand from the previous year as stated in K.S.A. 66-1265. All customers receiving service under this schedule must enter into a written Application / Agreement for Interconnection.

APPLICABLE

Net metering service is applicable for residential customers with renewable electrical generating systems up to fifteen kilowatts (15 kW) or for nonresidential customers with renewable electrical generating systems up to one-hundred kilowatts (100 kW) or up to one-hundred fifty kilowatts (150 kW) for schools. A "school" means any postsecondary educational institution as defined in K.S.A. 74-3201b, and amendments thereto, or any public or private school which provides instructions for students enrolled in grade kindergarten or grades one through twelve. Net metering service is applicable to customers who contract for service supplied at one point of delivery where part or all of the electrical requirements, as defined in the Definitions section, of the customer can be supplied from customer owned renewable generation and where such source is connected for parallel operation with Company's distribution system.

This schedule is not applicable to resale electric service.

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THE STATE CORPORATION COMMISSION OF KANSAS	Y SCHEDULE <u>NMR</u>	
WESTAR ENERGY, INC & KANSAS GAS & ELECTRIC COMPANY, d.b.a. WESTAR ENERGY (Name of Issuing Utility)	SCHEDULE <u>NMK</u>	
WESTAR RATE AREA	Replacing Schedule <u>NMR</u> Sheet <u>2</u>	
(Territory to which schedule is applicable)	which was filed October 28, 2015	
No supplement or separate understanding shall modify the tariff as shown hereon.	Sheet 2 of 20 Sheets	
NET METERING R	RIDER	
<u>DEFINITIONS</u>		
Customer-Generator:		
The owner or operator of a Net Metered Facility whic	h:	
 Is powered by a renewable energy resource; Is located on premises owned, operated, leased, Generator; Is interconnected and operates in parallel phase a facilities and is in compliance with the Company's Is intended primarily to offset part or all of the Cus requirements; and Contains a mechanism, approved by the Compar interrupts the flow of electricity back onto the Cor- to the Customer-Generator is interrupted. 	and synchronization with the Company's s standards; stomer-Generator's own electrical energy ny that automatically disables the unit and	
 "Renewable energy resources" means net renewable Wind; solar thermal sources; photovoltaic cells and panels; dedicated crops grown for energy production; cellulosic agricultural residues; plant residues; methane from landfills or from wastewater treatm clean and untreated wood products such as palle existing hydropower; new hydropower, not including pumped storage, r less; fuel cells using hydrogen produced by one of the and other sources of energy, not including nuclear podate of this tariff, and that are certified as rene the Commission pursuant to K.S.A. 2009 Sup 	ent; ets; that has a nameplate rate of 10 megawatts or above-named renewable energy resources; ower, that become available after the effective ewable by rules and regulations established by	
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(Territory to which schedule is applicable)	which was filed October 28, 2015	
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NET METERING RID) <u>ER</u>	

CHARACTER OF SERVICE

Alternating current, 60 hertz, at the voltage and phase of the Company's established distribution system most available to the service location.

TERMS AND CONDITIONS

- 1. Customer's generator shall be appropriately sized for customer's anticipated electric load. Company determination will include but not be limited to:
 - a) Customer's load profile,
 - b) Customer's peak load, and
 - c) Customers monthly kWh usage
- 2. Additionally, customer-owned generating facilities shall be connected for parallel operation with Company facilities.
- 3. The Company will supply, own, and maintain all necessary meters utilized for billing. In addition, and for purposes of monitoring customer generation and load, the Company may install, at its expense, load research metering. The customer shall supply, at no expense to the Company, a suitable location for meters and associated equipment used for billing and for load research.
- 4. For the purposes of insuring the safety and quality of the Company's utility system power, the Company shall have the right to require the customer, at certain times and as electrical operating conditions warrant, to limit the production of electrical energy from the net metered generating facility to an amount no greater than the load at the customer's facility of which the renewable generating facility is a part.

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THE STATE CORPORATION COMMISSION OF KANSAS		
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TERMS AND CONDITIONS (CONT)

- 5. The customer shall furnish, install, operate, and maintain in good order and repair, and without cost to the Company, such relays, locks and seals, breakers, automatic synchronizer, and other control and protective apparatus as shall be designated by the Company as suitable for the operation of the renewable customer-generator in parallel with the Company's distribution system. In addition, the Company shall require customer to install, own, and maintain a manual disconnect device on the line side of the meter and to be located near the electric meter or meters at no cost to the Company unless otherwise mutually agreed to by Company and Customer. The Company shall give notice to the Customer before a manual switch is locked or an isolating device used, if possible; and otherwise shall give notice as soon as practicable after locking or isolating the Customer's facilities.
- 6. If harmonics, voltage fluctuations, or other disruptive problems on the Company's system are attributable to the operation of the Customer's system, such problem(s) shall be corrected at the Customer's sole expense. Company will provide an estimate to customer to prevent the problems attributable to customer's generation system.
- 7. No customer's net metered facility shall damage the Company's system or equipment or present an undue hazard to Company personnel.
- 8. The customer-generator shall notify the Company at the address provided in this net metering rider four business days in advance of the initial energizing and start-up testing of the customer-owned generator, and the Company shall have the right to have a representative present at said test.
- 9. Service hereunder is subject to the Company's General Terms and Conditions as approved by the Kansas Corporation Commission.
- 10. All provisions of this rate schedule are subject to changes made by order of the regulatory authority having jurisdiction.

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THE STATE CORPORATION COMMISSION OF KANSAS WESTAR ENERGY, INC & KANSAS GAS & ELECTRIC COMPANY, d.b.a. WESTAR ENERGY	SCHEDULE	NMR
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NET METERING RI	DER	
INSTRUCTIONS		
For Customer-generators Applying for Interconnection	:	
If you are interested in applying for interconnection to W Westar Energy for information related to interconn Energy's system. You should understand this informat	ection of generation	on equipment to Westar
To apply for interconnection to Westar Energy's electr D, with the plans, one-line, wiring diagram, and speci attached, and submit them to Westar Energy at:		
Westar Energy, In Consumer Services Accour P.O. Box 889, Topeka, Kan	nt Manager	
A processing fee of \$100 must accompany this applica refundable, unless the application is denied under K.S		is processing fee is non-
For a Net Metered Facility of fifteen kilowatts (15 kW) approval or denial within thirty (30) days of receipt; for kilowatts (15 kW) up to 150 kW, Westar Energy will pro (90) days of receipt. If this Application is denied, you denial. If this Application is approved and signed by bo binding contract and shall govern your relationship with	a Net Metered Fac ovide notice of appro u will be provided v oth you and Westar	ility of greater than fifteen wal or denial within ninety with the reason(s) for the
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NET METERING RID	DER	
INSTRUCTIONS		
For Customer-generators Who Have Received Approv Specifications:	al of Net Metered Fa	acility Plans and
After receiving approval of your Application, it will be ne in compliance with the plans, one-line, wiring diag Application, complete Sections E and F of this Applica Energy for review and completion of Section G at:	gram, and specification	ations described in th
Westar Energy, Ind Consumer Services Accoun P.O. Box 889, Topeka, Kan	t Manager	
Prior to the interconnection of the Net Metered Facility generator will furnish Westar Energy certification (as electrician or licensed professional engineer that the i diagram, and specifications described in the applicat approved by Westar Energy and the Customer-gener within one (1) year after receipt of notice of the approval generator shall be responsible for filing a new applicati	s completed in Sec installation meets th ion. If the application ator does not comp , the approval shall of	tion E) from a license e plans, one-line, wirin on for interconnection blete the interconnection
Westar Energy will complete Section G and, upon re- form and payment of any applicable fees, schedule a Facility to Westar Energy's electrical system within fifte	date for interconne een (15) days of rec	ction of the Net Metere

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NET METERING RI	DER				
INSTRUCTIONS					
For Customer-generators Who Are Transferring Owner Existing Net Metered Facility:	ership/Operational Co	ontrol of an			
If no changes are being made to the existing Net Meternative and F of this Application/Agreement and forward to W		te only Sections A, D,			
Westar Energy, In Consumer Services Accour P.O. Box 889, Topeka, Kar	nt Manager				
Consumer Services Account Manager P.O. Box 889, Topeka, Kansas 66601 Within fifteen (15) days of receipt, Westar Energy will review the new Application/Agreement and no changes are being proposed to the existing Net Metered Facility, utility shall approve Application/Agreement. There are no fees or charges for the Customer-generator who is transferring ownership or operational control of an existing Net Metered Facility, unless modifications are being proposed to that Net Metered Facility.					
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INSTRUCT	<u>IONS</u>						
For C	ustomer-gener	ators Who Are M	odifying an Existi	ing Net Metered Fac	ility:		
		made to the existence of the existence o			generator shall submit a		
		Consume	Westar Energy, Ir r Services Accou 889, Topeka, Ka	nt Manager			
thirty modifi Applic	(30) days wh cations are	nether the Appli required. A pent. This process	cation/Agreemen processing fee	t is approved as s of \$100 will b	ustomer-generator within submitted, or additional e required with this ne application is denied		
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		<u>NE</u>	ET METERING I	<u>RIDER</u>		
		APF	PLICATION/AGF	REEMENT		
A. <u>Custo</u>	mer-generate	or Information				
Name:						
Mailing Ad	dress:					
City:				State:	Zip Code	:
Service/St	reet Address	(if different from a	above):			
City:				State:	Zip Code	:
Daytime P	hone:		_ Fax:			
Email:						
Emergenc	y Contact Pho	one:				
Residentia	ICom	nmercial	Education			
For comme	ercial or Educ	cation Account				
Prima	ary Account h	older or Signator	У	_		
□ Yes	🗆 No	Existing Wes	tar Account			
🗆 Yes	🗆 No	Construction	Account			
Westar En	ergy Account	No. (from Westa	r Energy Bill):			
Meter num						
Existing El		ce Capacity:		es Voltage	Volts	
Service Ch	naracter: Sing	le Phase	Three I	Phase		
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NET METERING	RIDER
Net Metered Facility Information	
Manufacturer Name Plate (if applicable) DC Power Ratin	ng kW
AC Power Rating:kW Voltage	:Volts
System Type: Solar-Thermal Wind I	Fuel Cell Thermal
Photovoltaic Hydroelectric Batter	
If Solar: Number of panels Fixed 7	
Owned Leased	
If Leased: Name of Lessor	Company
Mailing address:	
Generation Power Output: Phase Wire size A	mps Volts
Generation Meter Location Feet from exist	ing meter Other
Inverter/Interconnection Equipment Manufacturer:	
Inverter/Interconnection Equipment Model No	
Inverter/Interconnection Equipment Location (describe):	
Outdoor Manual/Utility Accessible & Lockable Solid Bar	Disconnect Switch Location (describe):
Solar/Whole House Disconnect is located feet fi	rom existing meter.
Other (describe):	-
Battery Manufacturer Battery Size	
Back up only Max consumption Dema	
Total system Maximum power(kW):	
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		1	NET METERING RID	ER			
Total sy	vstem energy (kW	h):					
-		-	3? (yes or no)				
			neter? Size and Type				
			Yes No				
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		<u>NET METERI</u>	NG RIDER		
C. <u>Installatio</u>	on Informat	ion/Hardware and Installa	ation Compliance		
Person or Co	mpany Insta	Illing:			
icensed Elec	ctrician: Ye	s No			
s an electrica	al permit and	l/or inspection required (yes	s or no):	-	
Approximate	Installation I	Date:			
City:			State:	_ Zip Code:_	
Daytime Pho	ne:	Fax:			
		/ill Inspect/Certify Installation			
□ Yes □ N	lo Is the ne	t metered facility certified a	s compliant to UL 1741	?	
☐ Yes ☐ N attached?	lo Are requi	red Net Metered Facility Pla	ans, Specifications, On	ie-Line, & Wirii	ng Diagram
ssued	Month	Day Year			
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	CORPORATION COMMISSION OF KANSAS 7, INC & KANSAS GAS & ELECTRIC COMPANY, d.b.a. WESTAR ENERGY	SCHEDULE	NMR	
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No supplement o shall modify the	No supplement or separate understanding Shall modify the tariff as shown hereon. Sheet 13 of 20 Sheet			
	NET METERING RID	<u>ER</u>		
National E Laboratori specified i	sed Net Metered Facility complies with all applica lectrical Code (NEC), Institute of Electrical and Ele es (UL) standards for electrical equipment and its n Section B, these standards include, but are not I Net Metered Facility complies with all applicable lo	ectronics Engineers installation. As ap mited to, UL 1741 a	(IEEE) and Underwriters oplicable to System Type and IEEE 1547. Also, the	
The propo	sed Net Metered Facility has:			
1)	 A lockable, visible disconnect device on the line side, or load side if mutually agreed to Company and customer, of the meter and accessible at all times to Westar Ene personnel. 			
2)	 Functioning controls to prevent voltage flicker, DC injection, overvoltage, undervoltage overfrequency, underfrequency, and overcurrent, and to provide for System synchronization to Westar Energy's electrical system. 			
3)	An anti-islanding function that prevents the gen Westar Energy's electrical system when it is no			
eithe para	e proposed Net Metered Facility is designed to pr or through energy storage or back-up generation, t llel blocking scheme for this backup source that gy's electrical system when the electrical system is	ne proposed Net M prevents any back	etered Facility includes a flow of power to Westar	
Installer N	ame (print):			
Installer N	ame (signed):	D	ate:	
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NET METERING RIDER				
D. Terms and Conditions				
In addition to abiding by Westar Energy's other applica	ble rules and regulati	ons, the Customer-		

In addition to abiding by Westar Energy's other applicable rules and regulations, the Custome generator understands and agrees to the following specific terms and conditions:

(1) Operation/Disconnection

If, at any time, in the reasonable exercise of Westar Energy's judgment, the operation of the Net Metered Facility is determined to be adversely affecting safety, power quality, or reliability of Westar Energy's electrical system, Westar Energy may immediately disconnect and lockout the Net Metered Facility from Westar Energy's electrical system. The Customer-generator shall permit Westar Energy's employees and inspectors reasonable access to inspect, test, and examine the Net Metered Facility.

(2) Metering and Distribution Costs

Westar Energy shall provide metering equipment sufficient to measure the net amount of electrical energy produced or consumed by the Customer-generator. If it is necessary for Westar Energy to install additional metering or distribution equipment to accommodate the Net Metered Facility, the Customer-generator shall reimburse Westar Energy for the costs to purchase and install the additional equipment.

(3) Energy Pricing and Billing

The net electric energy delivered to the Customer-generator shall be billed in accordance with rate schedule(s). The electric energy delivered by the Customer-generator to Westar Energy shall be credited in kilowatt-hours (kWh).

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

- (a) For a Customer-generator, Westar Energy shall measure the net electrical energy produced or consumed during the billing period 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 customers consumption and production of electricity;
- (b) If the electricity supplied by Westar Energy exceeds the electricity generated by the Customer-generator during a billing period, the Customer-generator shall be billed for the net electricity supplied by Westar Energy.;
- (c) If the electricity generated by the Customer-generator exceeds the electricity supplied by Westar Energy during a billing period, the Customer-generator shall be charged the greater of a) the minimum monthly bill or b) the demand charge times the demand placed on Westar's system plus the basic service fee, as defined in Westar Energy's applicable tariff, and shall be credited at a rate of 100% of the utility's monthly system average cost of energy per kWh for the excess kilowatt-hours (kWh).
- (d) Any excess kWh earned shall only be applied towards energy consumption registered on the meter(s) assigned to the account specified in Section A.
- (4) Initiation and Termination

This Agreement becomes effective when signed by both the Customer-generator and Westar Energy and shall remain in effect unless terminated at any time under the following conditions:

(a) By the Customer-generator upon giving Westar Energy a written notice at least thirty (30) days prior to the date of termination of the Agreement. In such event, the Customer-generator shall, no later than the proposed termination date, completely disconnect the Net Metered Facility from parallel operation with Westar Energy's system.

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(b) By either party, if one party fails to comply Agreement. In such case, the other party ma	eement by giving at least			
 thirty (30) days prior written notice which specifies the basis for termination. (c) By mutual agreement of the Customer-generator and Westar Energy. (d) By approval of the Commission, if there is a change in statute that is determined to 				
applicable to this contract and necessitates its termination.				

(5) Modification

If any planned changes to the Net Metered Facility alter the specifications and/or information provided in Sections B and C of this Application/Agreement, Customer-generator shall submit to Westar Energy a new Application/Agreement with all sections completed.

(6) Transfer of Ownership/Operational Control

The Application/Agreement shall survive the transfer of ownership or operational control of the Net Metered Facility to a new Customer-generator if the new Customer-generator agrees to comply with the terms and conditions of the Application/Agreement and notifies Westar Energy by completing sections A, D, and F no less than thirty (30) days before the transfer. Within fifteen (15) days Westar Energy will review the new Sections A, D, and F and, if approved, Westar Energy will then complete Section G and forward a copy of the completed Application/Agreement back to the new Customer-generator, thereby authorizing the new Customer-generator to operate the existing Net Metered Facility.

(7) Dispute Resolution

Disputes between the Customer-generator and Westar Energy that cannot be resolved by the parties by other means may be brought to the Kansas Corporation Commission by either party through complaint procedures as described in K.A.R. 82-1-220.

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No supplement or separate understanding shall modify the tariff as shown hereon.	Sheet 17 of 20 Sheets		
NET METERING R	RIDER		
(8) Testing Requirement			
Westar may require net metered facilities to be testing specifications and requirements. If testi utilized to verify conformance to IEEE 1547.			
(9) Insurance			
Westar Energy may not require a Custom insurance. However, Customer-generators ma existing insurance policy in the event the Custo conduct causes personal injury (including dea claims.	ay have legal liabilities not covered under th tomer-generator's negligence or other wrong		
Westar Energy shall not be liable directly or in- attachment of a Net Metered Facility or for the that cause loss or injury, including death, to any	e acts or omissions of the Customer-genera		
(10) Additional Terms and Conditions			
Additional terms and conditions are included i incorporated by reference and made a part of t	• •		
I have read, understand, and accept the provis Agreement.	sions of Section D (1) - (10) of this Applicati		
Customer-Generator (print):			
Customer-Generator (signed): Date:			
Issued Month Day Year			
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WESTAR ENERGY, INC & KANSAS GAS & ELECTRIC COMPANY, d.b.a. WESTAR ENERGY	SCHEDULE	NMR	
(Name of Issuing Utility)			
WESTAR RATE AREA	Replacing Schedule_	NMR Sheet 18	
(Territory to which schedule is applicable)	which was filed	October 28, 2015	
No supplement or separate understanding shall modify the tariff as shown hereon.	Shee	t 18 of 20 Sheets	
NET METERING RID	<u>)ER</u>		
E. Electrical Inspection			
The Net Metered Facility referenced above satisfies all Section D.	operational require	ments noted in	
Inspector Name (print):			
Inspector Certification: Engineer/Electrician License No Inspector Name (signed):	_	ate:	
Inspector Name (signed):			
F. Customer-generator Acknowledgement			
I have a Net Metered Facility installed on my premises	and I have been giv		
and/or an operator's manual for this facility. Also, I have been applicable tariff and interconnection requirements. I am fan Facility.			
and/or an operator's manual for this facility. Also, I have be applicable tariff and interconnection requirements. I am fan	niliar with the opera	tion of the Net Metered	
and/or an operator's manual for this facility. Also, I have been applicable tariff and interconnection requirements. I am fan Facility.	niliar with the opera el with Westar Ener ar Energy. ement and to opera ecommended pract ng. If, at any time th etered Facility and r	tion of the Net Metered gy's electrical system te and maintain the Net ices as well as Westar e Net Metered Facility is	
and/or an operator's manual for this facility. Also, I have been applicable tariff and interconnection requirements. I am fan Facility. I agree not to operate the Net Metered Facility in parall until this Application/Agreement has been approved by West I agree to abide by the terms of this Application/Agree Metered Facility in accordance with the manufacturer's referring's interconnection standards applicable to Net Meterin operating in an unusual manner, I shall disconnect the Net Metered	niliar with the opera el with Westar Ener car Energy. ement and to opera ecommended pract ng. If, at any time th etered Facility and r inergy.	tion of the Net Metered gy's electrical system te and maintain the Net ices as well as Westar e Net Metered Facility is ot reconnect it to Westar	

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Jeffrey L. Martin, Vice President

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WESTAR ENERGY, INC			NY, d.b.a. WESTAR ENERGY	SCHEDULE	NMR	
	(Name of)	Issuing Utility)		Replacing Schedule_	NMR	Sheet19
	WESTAI	R RATE AREA				
(Te	erritory to whic	ch schedule is appl	icable)	which was filed	Octobe	r 28, 2015
No supplement or sep shall modify the tariff	arate understandi as shown hereor	tanding ereon. Sheet 19 of 20 Sheets			heets	
		<u>1</u>	NET METERING RID	<u>)ER</u>		
G. Applicatio	on Approva	1				
	in Applota	•				
	mage to pro	perty or physic	oval of this Application cal injury to persons d			
This Application 20 (year).	on is approv	ved by Westar	Energy on this	day of		(month),
Westar Energ	y Represen	tative Name (r	orint):			
		tative Name (s				
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			Replacing Schedule_	NMR	Sheet	20
	TAR RATE AREA					
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No supplement or separate unders shall modify the tariff as shown h	ereon.		Shee	et 20 of 20 S	heets	
	NE	ET METERING RID	DER			
	Appendix A:	Additional Terms a	and Conditions.			
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THE -STATE CORPORATION COMMISSION OF KANSAS		
WESTAR ENERGY, INC & KANSAS GAS & ELECTRIC COMPANY, d.b.a. WESTAR ENERGY	SCHEDULE	NMR
(Name of Issuing Utility)		
WESTAR RATE AREA	Replacing Schedule_	<u>NMR</u> Sheet <u>1</u>
(Territory to which schedule is applicable) 2014	which was filed	October 28, 2015 July 3,
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AVAILABLE

This service is for net metering customers taking service on or after July 1, 2014. Net metering service is available under this Rider at points on the Company's existing distribution facilities for customers operating generation powered by renewable energy resources. The net metering service shall be available on a first-come, first-serve basis until the total rated generating capacity of total connected load from renewable generation (net metered facilities per KSA 66-1265) equals one percent of the Company's peak demand from the previous year as stated in K.S.A. 66-1265. All customers receiving service under this schedule must enter into a written Application / Agreement for Interconnection.

APPLICABLE

Net metering service is applicable for residential customers with renewable electrical generating systems up to fifteen kilowatts (15 kW) or for nonresidential customers with renewable electrical generating systems up to one-hundred kilowatts (100 kW) or up to one-hundred fifty kilowatts (150 kW) for schools. A "school" means any postsecondary educational institution as defined in K.S.A. 74-3201b, and amendments thereto, or any public or private school which provides instructions for students enrolled in grade kindergarten or grades one through twelve. Net metering service is applicable to customers who contract for service supplied at one point of delivery where part or all of the electrical requirements, as defined in the Definitions section, of the customer can be supplied from customer owned renewable generation and where such source is connected for parallel operation with Company's distribution system.

This schedule is not applicable to resale electric service.

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WESTAR ENERGY, INC & KANSAS GAS & ELECTRIC COMPANY, d.b.a. WESTAR ENERGY	SCHEDULE	NMR
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WESTAR RATE AREA	Replacing Schedule_	NMR Sheet 2
(Territory to which schedule is applicable) 2014	which was filed	October 28, 2015 July 3,
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NET METERING RID	<u>ER</u>	
DEFINITIONS		
Customer-Generator:		
The owner or operator of a Net Metered Facility which:		
 Is powered by a renewable energy resource; Is located on premises owned, operated, leased, or Generator; Is interconnected and operates in parallel phase and facilities and is in compliance with the Company's s Is intended primarily to offset part or all of the Custor requirements; and Contains a mechanism, approved by the Company interrupts the flow of electricity back onto the Compa- to the Customer-Generator is interrupted. 	d synchronization tandards; omer-Generator's c that automatically	with the Company's own electrical energy disables the unit and
 "Renewable energy resources" means net renewable g Wind; solar thermal sources; photovoltaic cells and panels; dedicated crops grown for energy production; cellulosic agricultural residues; plant residues; methane from landfills or from wastewater treatmen clean and untreated wood products such as pallets; existing hydropower; new hydropower, not including pumped storage, that less; fuel cells using hydrogen produced by one of the ab and other sources of energy, not including nuclear power 	t; at has a nameplate pove-named renew	e rate of 10 megawatts or vable energy resources;
date of this tariff, and that are certified as renewa		
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THE -STATE CORPORATION COMMISSION OF KANSAS				
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(Name of Issuing Utility)	Destroiter Scholete ND/ID Street 2			
WESTAR RATE AREA	Replacing Schedule <u>NMR</u> Sheet <u>3</u>			
(Territory to which schedule is applicable) $\frac{2014}{2014}$	which was filed <u>October 28, 2015July 3,</u>			
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NET METERING RIDER				

the Commission pursuant to K.S.A. 2009 Supp. 66-1262, and amendments thereto.

CHARACTER OF SERVICE

Alternating current, 60 hertz, at the voltage and phase of the Company's established distribution system most available to the service location.

TERMS AND CONDITIONS

- 1. Customer's generator shall be appropriately sized for customer's anticipated electric load. Company determination will include but not be limited to:
 - a) Customer's load profile,
 - b) Customer's peak load, and
 - c) Customers monthly kWh usage
- 2. Additionally, customer-owned generating facilities shall be connected for parallel operation with Company facilities.
- 3. The Company will supply, own, and maintain all necessary meters utilized for billing. In addition, and for purposes of monitoring customer generation and load, the Company may install, at its expense, load research metering. The customer shall supply, at no expense to the Company, a suitable location for meters and associated equipment used for billing and for load research.
- 4. For the purposes of insuring the safety and quality of the Company's utility system power, the Company shall have the right to require the customer, at certain times and as electrical operating conditions warrant, to limit the production of electrical energy from the net metered generating facility to an amount no greater than the load at the customer's facility of which the renewable generating facility is a part.

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WESTAR RATE AREA	Replacing Schedul	e <u>NMR</u>	Sheet4
(Territory to which schedule is applicable)	which was filed	Octobe	er 28, 2015 July 3,

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NET METERING RIDER

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TERMS AND CONDITIONS (CONT)

- 5. The customer shall furnish, install, operate, and maintain in good order and repair, and without cost to the Company, such relays, locks and seals, breakers, automatic synchronizer, and other control and protective apparatus as shall be designated by the Company as suitable for the operation of the renewable customer-generator in parallel with the Company's distribution system. In addition, the Company shall require customer to install, own, and maintain a manual disconnect device on the line side of the meter and to be located near the electric meter or meters at no cost to the Company unless otherwise mutually agreed to by Company and Customer. The Company shall give notice to the Customer before a manual switch is locked or an isolating device used, if possible; and otherwise shall give notice as soon as practicable after locking or isolating the Customer's facilities.
- 6. If harmonics, voltage fluctuations, or other disruptive problems on the Company's system are attributable to the operation of the Customer's system, such problem(s) shall be corrected at the Customer's sole expense. Company will provide an estimate to customer to prevent the problems attributable to customer's generation system.
- 7. No customer's net metered facility shall damage the Company's system or equipment or present an undue hazard to Company personnel.
- 8. The customer-generator shall notify the Company at the address provided in this net metering rider four business days in advance of the initial energizing and start-up testing of the customer-owned generator, and the Company shall have the right to have a representative present at said test.
- 9. Service hereunder is subject to the Company's General Terms and Conditions as approved by the Kansas Corporation Commission.
- 10. All provisions of this rate schedule are subject to changes made by order of the regulatory authority having jurisdiction.

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THE -STATE CORPORATION COMMISSION OF KANSAS WESTAR ENERGY, INC & KANSAS GAS & ELECTRIC COMPANY, d.b.a. WESTAR ENERGY	SCHEDULE	NMR
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WESTAR RATE AREA	Replacing Schedule_	Sheet
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NET METERING RID	<u>ER</u>	
INSTRUCTIONS		
For Customer-generators Applying for Interconnection:		
If you are interested in applying for interconnection to We Westar Energy for information related to interconne Energy's system. You should understand this information	ction of generation	on equipment to Westar
To apply for interconnection to Westar Energy's electric D, with the plans, <u>one-line, wiring diagram</u> , and specifi attached, and submit them to Westar Energy at:		
Westar Energy, Inc Consumer Services Account P.O. Box 889, Topeka, Kans	Manager	
A processing fee of \$100 must accompany this applicat refundable, unless the application is denied under K.S./		is processing fee is non-
For a Net Metered Facility of fifteen kilowatts (15 kW) of approval or denial within thirty (30) days of receipt; for a kilowatts (15 kW) up to 150 kW, Westar Energy will prov (90) days of receipt. If this Application is denied, you denial. If this Application is approved and signed by bot binding contract and shall govern your relationship with	a Net Metered Faci ride notice of appro will be provided v h you and Westar	ility of greater than fifteen val or denial within ninety vith the reason(s) for the
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THE -STATE CORPORATION COMMISSION OF KANSAS		
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NET METERING RID	DER	
INSTRUCTIONS		

For Customer-generators Who Have Received Approval of Net Metered Facility Plans and Specifications:

After receiving approval of your Application, it will be necessary to construct the Net Metered Facility in compliance with the plans, <u>one-line</u>, <u>wiring diagram</u>, and specifications described in the Application, complete Sections E and F of this Application, and forward this Application to Westar Energy for review and completion of Section G at:

Westar Energy, Inc. Consumer Services Account Manager P.O. Box 889, Topeka, Kansas 66601

Prior to the interconnection of the Net Metered Facility to Westar Energy's system, the Customergenerator will furnish Westar Energy certification (as completed in Section E) from a licensed electrician or licensed professional engineer that the installation meets the plans, <u>one-line</u>, <u>wiring</u> <u>diagram</u>, and specifications described in the application. If the application for interconnection is approved by Westar Energy 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 Customergenerator shall be responsible for filing a new application.

Westar Energy will complete Section G and, upon receipt of a completed Application/Agreement form and payment of any applicable fees, schedule a date for interconnection of the Net Metered Facility to Westar Energy's electrical system within fifteen (15) days of receipt by Westar Energy if electric service already exists to the premises, unless the Customer-generator and Westar Energy 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, Westar Energy will schedule a date for interconnection of the Net Metered Facility to Westar Energy's electrical system no later than fifteen (15) days after service is established to the premises, unless the Customer-generator and Westar Energy agree to a later date.

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THE -STATE CORPORATION COMMISSION OF KANSAS /ESTAR ENERGY, INC & KANSAS GAS & ELECTRIC COMPANY, d.b.a. WESTAR ENERGY	SCHEDULE	NMR
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WESTAR RATE AREA	Replacing Schedule_	NMR Sheet 8
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o supplement or separate understanding nail modify the tariff as shown hereon.	Shee	et 8 of 21 Sheets
NET METERING RID	<u>ER</u>	
For Customer-generators Who Are Transferring Owner Existing Net Metered Facility: If no changes are being made to the existing Net Meter and F of this Application/Agreement and forward to We	ed Facility, comple	
Westar Energy, Inc Consumer Services Account P.O. Box 889, Topeka, Kans	Manager	
Within fifteen (15) days of receipt, Westar Energy will re the new Customer-generator has satisfactorily comple are being proposed to the existing Net Metered Facility, There are no fees or charges for the Customer-ge operational control of an existing Net Metered Facility, that Net Metered Facility.	ted Application/Agr utility shall approve nerator who is tra	eement and no change e Application/Agreemer ansferring ownership

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NET METERING RID	DER	
INSTRUCTIONS		
For Customer-generators Who Are Modifying an Existin	ng Net Metered Fa	cility:
If changes are being made to the existing Net Metered new Application/Agreement and forward to Westar Energy	-	-generator shall submit a
Westar Energy, In Consumer Services Accour P.O. Box 889, Topeka, Kar	nt Manager	

Westar Energy will review the new Application/Agreement and notify the Customer-generator within thirty (30) days whether the Application/Agreement is approved as submitted, or additional modifications are required. A processing fee of \$100 will be required with this Application/Agreement. This processing fee is non-refundable, unless the application is denied under K.S.A. 66-1265 (a).

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NET METERING RIDER APPLICATION/AGREEMENT A. Customer-generator Information Name:	201 4	which was filed	October 28, 2015 July 3,
APPLICATION/AGREEMENT A. Customer-generator Information Name:	lo supplement or separate understanding hall modify the tariff as shown hereon.	Sh	eet 10 of 21 Sheets
A. Customer-generator Information Name: Mailing Address: City: State: Zip Code: Service/Street Address (if different from above): City: State: Zip Code: Daytime Phone: Fax: Emergency Code: Emergency Contact Phone: Residential Commercial Education For commercial or Education Account Primary Account holder or Signatory For construction Account Existing Westar Account Yes No Existing Westar Account Westar Energy Account No. (from Westar Energy Bill): Meter number: Meter number: Amperes Voltage Volts Service Character: Single Phase Three Phase Volts Service Character: Single Phase Three Phase Stree Phase Month Day Year	NET METERING R	IDER	
City: State: Zip Code: Daytime Phone: Fax: Email: Emergency Contact Phone: ResidentialCommercial Education For commercial or Education Account Primary Account holder or Signatory Oreveal of the existing Westar Account Primary Account holder or Signatory Oreveal of the existing Westar Account Vestar Energy Account No. (from Westar Energy Bill): Meter number: Existing Electrical Service Capacity: Amperes Voltage Volts Service Character: Single Phase Three Phase B.	APPLICATION/AGR	EEMENT	
Mailing Address:	A. Customer-generator Information		
Mailing Address:	Name:		
City: State: Zip Code: Service/Street Address (if different from above): City: State: Zip Code: Daytime Phone: Fax: Email: Emergency Contact Phone: Residential Commercial Education For commercial or Education Account Primary Account holder or Signatory [] Yes [] No Existing Westar Account [] Yes [] No Construction Account Westar Energy Account No. (from Westar Energy Bill): Meter number: Existing Electrical Service Capacity: Amperes Voltage Volts Service Character: Single Phase Three Phase B.			
Service/Street Address (if different from above): City:			_Zip Code:
City: State: Zip Code: Daytime Phone: Fax: Email: Emergency Contact Phone: ResidentialCommercialEducation For commercial or Education Account Primary Account holder or Signatory Oreveal or Existing Westar Account Primary Account holder or Signatory Oreveal or Existing Westar Account Vestar Energy Account No. (from Westar Energy Bill): Meter number: Existing Electrical Service Capacity: Amperes Voltage Volts Service Character: Single Phase Three Phase B.			
Daytime Phone: Fax: Email:			
Email: Emergency Contact Phone: Residential Commercial For commercial or Education Account Primary Account holder or Signatory Yes No Existing Westar Account Yes No Construction Account Westar Energy Account No. (from Westar Energy Bill): Meter number: Existing Electrical Service Capacity: Amperes Voltage Volts Service Character: Single Phase B.	-		
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Yes No Existing Westar Account Yes No Construction Account Westar Energy Account No. (from Westar Energy Bill):			
Yes No Existing Westar Account Yes No Construction Account Westar Energy Account No. (from Westar Energy Bill):	Primary Account holder or Signatory		
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		DC Power Rating _	k\//			
	,	Voltage:				
C		Wind Fuel		nal		
		Battery		<u> </u>		
		battery ixed Track				
Owned	-					
			Company			
-		Wire size Amps				-
	•	•				
		Feet from existing r				
		nufacturer:				
		del No				
Inverter/Interconnec	tion Equipment Loc	ation (describe):				
Outdoor Manual/Util	ity Accessible & Loc	ckable Solid Bar Disc	connect Switch Loo	cation (des	cribe):	
Solar/Whole House	Disconnect is locate	ed feet from	existing meter.			
Battery Manufacture	۱ <u>۳</u>	Battery Size	Model #:	# of ur	nits	
	· · · · ·	on Demand	•			
Total system Maxim	um power(kW):					
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		1	NET METERING RID	ER			
Total syste	em energy (kW	/h):					
Batteries te	ested and cert	ified to UL1973	3? (yes or no)				
Is there ex	isting generate	or behind this r	meter? Size and Type				
Isolation po	otential of exis	sting generator:	Yes No				
Issued							
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	<u>NI</u>	ET METERING RID	DER			
C. Installation Infor	rmation/Hardware	and Installation Co	mnliance			
Person or Company						
Contractor's License	No. (if applicable):					
Licensed Electrician:						
Is an electrical permi						
Approximate Installat	tion Date:					
Mailing Address:						
City:		S [.]	tate: Z	ip Code:		
Daytime Phone:		Fax:				
Email:						
Person or Agency W						
Yes No Is th Yes No Are r attached?				<u>ne, </u> & Wir	ing Diagra	am

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	NET METERING RID	<u>ER</u>		
National E Laboratori specified i	sed Net Metered Facility complies with all applicat lectrical Code (NEC), Institute of Electrical and Ele es (UL) standards for electrical equipment and its n Section B, these standards include, but are not li Net Metered Facility complies with all applicable lo	ctronics Engineers installation. As apmitted to, UL 1741	(IEEE) a oplicable and IEEE	nd Underwriters to System Type
The propo	sed Net Metered Facility has:			
1)	A lockable, visible disconnect device on the line Company and customer, of the meter and a personnel.			
2)	Functioning controls to prevent voltage flicker overfrequency, underfrequency, and overcurren to Westar Energy's electrical system.			
3)	An anti-islanding function that prevents the gene Westar Energy's electrical system when it is not			
eithe para	e proposed Net Metered Facility is designed to pro er through energy storage or back-up generation, the llel blocking scheme for this backup source that gy's electrical system when the electrical system is	ne proposed Net M prevents any back	letered Fa	acility includes a ower to Westar
Installer N	ame (print):			
	ame (signed) <u>:</u>		Date:	

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By			
J	Jeffrey L. Martin, V	Vice President	

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WESTAR ENERGY, INC & KANSAS GAS & ELECTRIC COMPANY, d.b.a. WESTAR ENERGY	SCHEDULE NMR			
(Name of Issuing Utility)				
WESTAR RATE AREA	Replacing Schedule <u>NMR</u> Sheet <u>15</u>			
(Territory to which schedule is applicable) 2014	which was filed <u>October 28, 2015July 3,</u>			
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NET METERING RIDER				

D. Terms and Conditions

In addition to abiding by Westar Energy's other applicable rules and regulations, the Customergenerator understands and agrees to the following specific terms and conditions:

(1) Operation/Disconnection

If, at any time, in the reasonable exercise of Westar Energy's judgment, the operation of the Net Metered Facility is determined to be adversely affecting safety, power quality, or reliability of Westar Energy's electrical system, Westar Energy may immediately disconnect and lockout the Net Metered Facility from Westar Energy's electrical system. The Customer-generator shall permit Westar Energy's employees and inspectors reasonable access to inspect, test, and examine the Net Metered Facility.

(2) Metering and Distribution Costs

Westar Energy shall provide metering equipment sufficient to measure the net amount of electrical energy produced or consumed by the Customer-generator. If it is necessary for Westar Energy to install additional metering or distribution equipment to accommodate the Net Metered Facility, the Customer-generator shall reimburse Westar Energy for the costs to purchase and install the additional equipment.

(3) Energy Pricing and Billing

The net electric energy delivered to the Customer-generator shall be billed in accordance with rate schedule(s). The electric energy delivered by the Customer-generator to Westar Energy shall be credited in kilowatt-hours (kWh).

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(Territory to which schedule is applicable) 2014	which was filed <u>October 28, 2015July 3,</u>		
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Net electrical energy measurement shall be calculated in the following manner:

- (a) For a Customer-generator, Westar Energy shall measure the net electrical energy produced or consumed during the billing period 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 customers consumption and production of electricity;
- (b) If the electricity supplied by Westar Energy exceeds the electricity generated by the Customer-generator during a billing period, the Customer-generator shall be billed for the net electricity supplied by Westar Energy.;
- (c) If the electricity generated by the Customer-generator exceeds the electricity supplied by Westar Energy during a billing period, the Customer-generator shall be charged the greater of a) the minimum monthly bill or b) the demand charge times the demand placed on Westar's system plus the basic service fee, as defined in Westar Energy's applicable tariff, and shall be credited at a rate of 100% of the utility's monthly system average cost of energy per kWh for the excess kilowatt-hours (kWh).
- (d) Any excess kWh earned shall only be applied towards energy consumption registered on the meter(s) assigned to the account specified in Section A.
- (4) Initiation and Termination

This Agreement becomes effective when signed by both the Customer-generator and Westar Energy and shall remain in effect unless terminated at any time under the following conditions:

(a) By the Customer-generator upon giving Westar Energy a written notice at least thirty (30) days prior to the date of termination of the Agreement. In such event, the Customer-generator shall, no later than the proposed termination date, completely disconnect the Net Metered Facility from parallel operation with Westar Energy's system.

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		& KANSAS GAS & ELECTRIC COMPANY, d.b.a. WESTAR ENERGY	SCHEDULE	NMR	
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		NET METERING RID	ER		
	(b)	By either party, if one party fails to comply Agreement. In such case, the other party ma thirty (30) days prior written notice which spe	y terminate this Ag	eement by giving at least	
	(c)	By mutual agreement of the Customer-gene	rator and Westar E	nergy.	
	(d) 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.				
(5)	Мос	dification			
	pro	ny planned changes to the Net Metered Facili vided in Sections B and C of this Application/A Vestar Energy a new Application/Agreement w	greement, Custom	er-generator shall submit	
(6)	Trai	nsfer of Ownership/Operational Control			
	Net com by c fifte Wes App	Application/Agreement shall survive the trans Metered Facility to a new Customer-generate apply with the terms and conditions of the Applic completing sections A, D, and F no less than en (15) days Westar Energy will review the r star Energy will then complete Section G concentration/Agreement back to the new Custom stomer-generator to operate the existing Net N	or if the new Custo ation/Agreement ar thirty (30) days be new Sections A, D, and forward a ner-generator, there	mer-generator agrees to ad notifies Westar Energy efore the transfer. Within and F and, if approved, copy of the completed	
(7)	Disp	oute Resolution			
	Disp	outes between the Customer-generator and W	estar Energy that c	annot be resolved by the	

Disputes between the Customer-generator and Westar Energy that cannot be resolved by the parties by other means may be brought to the Kansas Corporation Commission by either party through complaint procedures as described in K.A.R. 82-1-220.

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	NET METE		<u>ER</u>	
(8)	Testing Requirement			
	Westar may require net metered facilitie testing specifications and requirements utilized to verify conformance to IEEE 1	. If testing		
(9)	Insurance			
	Westar Energy may not require a insurance. However, Customer-general existing insurance policy in the event the conduct causes personal injury (include claims.	itors may ha	ave legal liabilities er-generator's neg	s not covered under their ligence or other wrongful
	Westar Energy shall not be liable direct attachment of a Net Metered Facility of that cause loss or injury, including deat	r for the ac	ts or omissions of	
(10)	Additional Terms and Conditions			
	Additional terms and conditions are in incorporated by reference and made a			ndix A", which is hereby
	I have read, understand, and accept th Agreement.	e provision	s of Section D (1)	- (10) of this Application
Customer-	Generator (print):			
Customer-	Generator (signed):		Da	ate:
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Junity	г.	warun,	VICC	1 resident

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		<u>1</u>	NET METERING RID	DER		
E. Electrical In	spection					
The Net M Section D.		ility referenc	ed above satisfies all	operational require	ements no	ted in
	ation: Engi	neer/Electric	ian License No.			
Inspector Name	(signed):			D	ate:	
F. Customer-ge	enerator A	cknowledge	ement			
applicable tariff Facility. I agree no until this Applica I agree to Metered Facility Energy's interco operating in an u Energy's electric	and intercent to operate ation/Agree abide by to abide	e the Net Me ement has be the terms of dance with t standards app anner, I shall until cleared	cility. Also, I have be equirements. I am far tered Facility in parall en approved by West this Application/Agree the manufacturer's re plicable to Net Meterin disconnect the Net M to do so by Westar E	niliar with the operative of the second seco	ation of th rgy's elect ate and m tices as w ne Net Me not reconn	trical system naintain the Net well as Westar tered Facility is nect it to Westar
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o supplement or separate understand and in the separate understand the separat	nding eon.	Shee	et 20 of 21 Sheets
	NET METERING RID	DER	
G. Application Approv	val		
	pes not, by approval of this Application roperty or physical injury to persons d ator negligence.		
This Application is appl 20 <u>(</u> year).	roved by Westar Energy on this	day of	(month),
Westar Energy Repres	entative Name (print):		
	entative Name (signed):		
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Appendix A: Additional Terms and Conditions.

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