



May 10, 2018

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

18-WSEE-493-TAR

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

(Name of Issuing Utility)

WESTAR RATE AREA

(Territory to which schedule is applicable)

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Replacing Schedule _____ NMR _____ Sheet _____ 1

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NET METERING RIDER**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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NET METERING RIDER

DEFINITIONS

Customer-Generator:

The owner or operator of a Net Metered Facility which:

- 1) Is powered by a renewable energy resource;
- 2) Is located on premises owned, operated, leased, or otherwise controlled by the Customer-Generator;
- 3) Is interconnected and operates in parallel phase and synchronization with the Company's facilities and is in compliance with the Company's standards;
- 4) Is intended primarily to offset part or all of the Customer-Generator's own electrical energy requirements; and
- 5) Contains a mechanism, approved by the Company that automatically disables the unit and interrupts the flow of electricity back onto the Company's electric lines in the event that service to the Customer-Generator is interrupted.

"Renewable energy resources" means net renewable generation capacity from:

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 treatment;
clean and untreated wood products such as pallets;
existing hydropower;
new hydropower, not including pumped storage, that has a nameplate rate of 10 megawatts or less;
fuel cells using hydrogen produced by one of the above-named renewable energy resources;
and
other sources of energy, not including nuclear power, that become available after the effective date of this tariff, and that are certified as renewable by rules and regulations established by the Commission pursuant to K.S.A. 2009 Supp. 66-1262, and amendments thereto.

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NET METERING RIDER

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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NET METERING RIDER

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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NET METERING RIDER

INSTRUCTIONS

For Customer-generators Applying for Interconnection:

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

To apply for interconnection to Westar Energy's electrical system, complete Sections A, B, C, and D, with the plans, one-line, wiring diagram, and specifications describing the Net Metered Facility attached, and submit them to Westar Energy at:

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

A processing fee of \$100 must accompany this application/agreement. This processing fee is non-refundable, unless the application is denied under K.S.A. 66-1265 (a).

For a Net Metered Facility of fifteen kilowatts (15 kW) or less, Westar Energy will provide notice of approval or denial within thirty (30) days of receipt; for a Net Metered Facility of greater than fifteen kilowatts (15 kW) up to 150 kW, Westar Energy will provide notice of approval or denial within ninety (90) days of receipt. 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 Westar Energy, it shall become a binding contract and shall govern your relationship with Westar Energy.

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NET METERING RIDER

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, one-line, wiring diagram, 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 Customer-generator will furnish Westar Energy certification (as completed in Section E) from a licensed electrician or licensed professional engineer that the installation meets the plans, one-line, wiring diagram, 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 Customer-generator 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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NET METERING RIDER

INSTRUCTIONS

For Customer-generators Who Are Transferring Ownership/Operational Control of an Existing Net Metered Facility:

If no changes are being made to the existing Net Metered Facility, complete only Sections A, D, and F of this Application/Agreement and forward to Westar Energy at:

Westar Energy, Inc.
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, if the new Customer-generator has satisfactorily completed 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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NET METERING RIDER

INSTRUCTIONS

For Customer-generators Who Are Modifying an Existing Net Metered Facility:

If changes are being made to the existing Net Metered Facility, Customer-generator shall submit a new Application/Agreement and forward to Westar Energy at:

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

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: _____

Mailing Address: _____

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.

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NET METERING RIDER

Net Metered Facility Information

Manufacturer Name Plate (if applicable) DC Power Rating _____ kW

AC Power Rating: _____ kW Voltage: _____ Volts

System Type: Solar-Thermal _____ Wind _____ Fuel Cell _____ Thermal _____

Photovoltaic _____ Hydroelectric _____ Battery _____

If Solar: Number of panels _____ Fixed _____ Tracker _____

Owned _____ Leased _____

If Leased: Name of Lessor _____ Company _____

Mailing address: _____

Generation Power Output: Phase _____ Wire size _____ Amps _____ Volts _____

Generation Meter Location _____ Feet from existing 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 from existing meter.

Other (describe): _____

Battery Manufacturer _____ Battery Size _____ Model #: _____ # of units _____

Back up only _____ Max consumption _____ Demand response _____

Total system Maximum power(kW): _____

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NET METERING RIDER

Total system energy (kWh): _____

Batteries tested and certified to UL1973? (yes or no) _____

Is there existing generator behind this meter? Size and Type _____

Isolation potential of existing generator: Yes ____ No ____

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NET METERING RIDER

C. Installation Information/Hardware and Installation Compliance

Person or Company Installing: _____

Contractor's License No. (if applicable): _____

Licensed Electrician: Yes _____ No _____

Is an electrical permit and/or inspection required (yes or no): _____

Approximate Installation Date: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Daytime Phone: _____ Fax: _____

Email: _____

Person or Agency Who Will Inspect/Certify Installation: _____

☐ Yes ☐ No Is the net metered facility certified as compliant to UL 1741?

☐ Yes ☐ No Are required Net Metered Facility Plans, Specifications, One-Line, & Wiring Diagram attached?

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NET METERING RIDER

The proposed Net Metered Facility complies with all applicable National Electrical Safety Code (NESC), National Electrical Code (NEC), Institute of Electrical and Electronics Engineers (IEEE) and Underwriters Laboratories (UL) standards for electrical equipment and its installation. As applicable to System Type specified in Section B, these standards include, but are not limited to, UL 1741 and IEEE 1547. Also, the proposed Net Metered Facility complies with all applicable local electrical codes.

The proposed Net Metered Facility has:

- 1) A lockable, visible disconnect device on the line side, or load side if mutually agreed to by Company and customer, of the meter and accessible at all times to Westar Energy 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 generator from continuing to supply power onto Westar Energy's electrical system when it is not energized or operating normally.

If the proposed Net Metered Facility is designed to provide uninterruptible power to critical loads, either through energy storage or back-up generation, the proposed Net Metered Facility includes a parallel blocking scheme for this backup source that prevents any backflow of power to Westar Energy's electrical system when the electrical system is not energized or not operating normally.

Installer Name (print): _____

Installer Name (signed): _____ Date: _____

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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 Customer-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 lock-out 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 METERING RIDER

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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NET METERING RIDER

- (b) By either party, if one party fails to comply with any of the terms and conditions of this Agreement. In such case, the other party may terminate this Agreement 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 be 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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NET METERING RIDER

(8) Testing Requirement

Westar may require net metered facilities to be tested according to IEEE 1547 that provides testing specifications and requirements. If testing is required then IEEE 1547.1 will be utilized to verify conformance to IEEE 1547.

(9) Insurance

Westar Energy may not require a Customer-generator to purchase additional liability insurance. However, Customer-generators may have legal liabilities not covered under their existing insurance policy in the event the Customer-generator's negligence or other wrongful conduct causes personal injury (including death), damage to property, or other actions and claims.

Westar Energy shall not be liable directly or indirectly for permitting or continuing to allow an attachment of a Net Metered Facility or for the acts or omissions of the Customer-generator that cause loss or injury, including death, to any third party.

(10) Additional Terms and Conditions

Additional terms and conditions are included in the attached "Appendix A", which is hereby incorporated by reference and made a part of this Agreement.

I have read, understand, and accept the provisions of Section D (1) - (10) of this Application Agreement.

Customer-Generator (print): _____

Customer-Generator (signed): _____ Date: _____

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NET METERING RIDER

E. Electrical Inspection

The Net Metered Facility referenced above satisfies all operational requirements noted in Section D.

Inspector Name (print): _____

Inspector Certification: Engineer/Electrician License No. _____

Inspector Name (signed): _____ Date: _____

F. Customer-generator Acknowledgement

I have a Net Metered Facility installed on my premises and I have been given warranty information and/or an operator's manual for this facility. Also, I have been provided with a copy of Westar Energy's applicable tariff and interconnection requirements. I am familiar with the operation of the Net Metered Facility.

I agree not to operate the Net Metered Facility in parallel with Westar Energy's electrical system until this Application/Agreement has been approved by Westar Energy.

I agree to abide by the terms of this Application/Agreement and to operate and maintain the Net Metered Facility in accordance with the manufacturer's recommended practices as well as Westar Energy's interconnection standards applicable to Net Metering. If, at any time the Net Metered Facility is operating in an unusual manner, I shall disconnect the Net Metered Facility and not reconnect it to Westar Energy's electrical system until cleared to do so by Westar Energy.

Customer-Generator (print): _____

Customer-Generator (signed): _____ Date: _____

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(Name of Issuing Utility)

WESTAR RATE AREA

(Territory to which schedule is applicable)

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NET METERING RIDER

G. Application Approval

Westar Energy does not, by approval of this Application/Agreement, assume any responsibility or liability for damage to property or physical injury to persons due to malfunction of the Net Metered Facility or the Customer-generator negligence.

This Application is approved by Westar Energy on this _____ day of _____ (month), 20 ____ (year).

Westar Energy Representative Name (print): _____

Westar Energy Representative Name (signed): _____

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NET METERING RIDER

Appendix A: Additional Terms and Conditions.

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NET METERING RIDER**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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NET METERING RIDER

DEFINITIONS

Customer-Generator:

The owner or operator of a Net Metered Facility which:

- 1) Is powered by a renewable energy resource;
- 2) Is located on premises owned, operated, leased, or otherwise controlled by the Customer-Generator;
- 3) Is interconnected and operates in parallel phase and synchronization with the Company's facilities and is in compliance with the Company's standards;
- 4) Is intended primarily to offset part or all of the Customer-Generator's own electrical energy requirements; and
- 5) Contains a mechanism, approved by the Company that automatically disables the unit and interrupts the flow of electricity back onto the Company's electric lines in the event that service to the Customer-Generator is interrupted.

"Renewable energy resources" means net renewable generation capacity from:

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 treatment;
clean and untreated wood products such as pallets;
existing hydropower;
new hydropower, not including pumped storage, that has a nameplate rate of 10 megawatts or less;
fuel cells using hydrogen produced by one of the above-named renewable energy resources;
and
other sources of energy, not including nuclear power, that become available after the effective date of this tariff, and that are certified as renewable by rules and regulations established by

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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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NET METERING RIDER

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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NET METERING RIDER

INSTRUCTIONS

For Customer-generators Applying for Interconnection:

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

To apply for interconnection to Westar Energy's electrical system, complete Sections A, B, C, and D, with the plans, one-line, wiring diagram, and specifications describing the Net Metered Facility attached, and submit them to Westar Energy at:

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

A processing fee of \$100 must accompany this application/agreement. This processing fee is non-refundable, unless the application is denied under K.S.A. 66-1265 (a).

For a Net Metered Facility of fifteen kilowatts (15 kW) or less, Westar Energy will provide notice of approval or denial within thirty (30) days of receipt; for a Net Metered Facility of greater than fifteen kilowatts (15 kW) up to 150 kW, Westar Energy will provide notice of approval or denial within ninety (90) days of receipt. 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 Westar Energy, it shall become a binding contract and shall govern your relationship with Westar Energy.

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NET METERING RIDER

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, one-line, wiring diagram, 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 Customer-generator will furnish Westar Energy certification (as completed in Section E) from a licensed electrician or licensed professional engineer that the installation meets the plans, one-line, wiring diagram, 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 Customer-generator 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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NET METERING RIDER

INSTRUCTIONS

For Customer-generators Who Are Transferring Ownership/Operational Control of an Existing Net Metered Facility:

If no changes are being made to the existing Net Metered Facility, complete only Sections A, D, and F of this Application/Agreement and forward to Westar Energy at:

Westar Energy, Inc.
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, if the new Customer-generator has satisfactorily completed 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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NET METERING RIDER

INSTRUCTIONS

For Customer-generators Who Are Modifying an Existing Net Metered Facility:

If changes are being made to the existing Net Metered Facility, Customer-generator shall submit a new Application/Agreement and forward to Westar Energy at:

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

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: _____

Mailing Address: _____

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.

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NET METERING RIDER

Net Metered Facility Information

Manufacturer Name Plate (if applicable) DC Power Rating _____ kW

AC Power Rating: _____ kW Voltage: _____ Volts

System Type: Solar-Thermal _____ Wind _____ Fuel Cell _____ Thermal _____

Photovoltaic _____ Hydroelectric _____ Battery _____

If Solar: Number of panels _____ Fixed _____ Tracker _____

Owned _____ Leased _____

If Leased: Name of Lessor _____ Company _____

Mailing address: _____

Generation Power Output: Phase _____ Wire size _____ Amps _____ Volts _____

Generation Meter Location _____ Feet from existing 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 from existing meter.

Other (describe): _____

Battery Manufacturer _____ Battery Size _____ Model #: _____ # of units _____

Back up only _____ Max consumption _____ Demand response _____

Total system Maximum power(kW): _____

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NET METERING RIDER

Total system energy (kWh): _____

Batteries tested and certified to UL1973? (yes or no) _____

Is there existing generator behind this meter? Size and Type _____

Isolation potential of existing generator: Yes ____ No ____

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NET METERING RIDER

C. Installation Information/Hardware and Installation Compliance

Person or Company Installing: _____

Contractor's License No. (if applicable): _____

Licensed Electrician: Yes _____ No _____

Is an electrical permit and/or inspection required (yes or no): _____

Approximate Installation Date: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Daytime Phone: _____ Fax: _____

Email: _____

Person or Agency Who Will Inspect/Certify Installation: _____

☐ Yes ☐ No Is the net metered facility certified as compliant to UL 1741?

☐ Yes ☐ No Are required Net Metered Facility Plans, Specifications, One-Line, & Wiring Diagram attached?

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NET METERING RIDER

The proposed Net Metered Facility complies with all applicable National Electrical Safety Code (NESC), National Electrical Code (NEC), Institute of Electrical and Electronics Engineers (IEEE) and Underwriters Laboratories (UL) standards for electrical equipment and its installation. As applicable to System Type specified in Section B, these standards include, but are not limited to, UL 1741 and IEEE 1547. Also, the proposed Net Metered Facility complies with all applicable local electrical codes.

The proposed Net Metered Facility has:

- 1) A lockable, visible disconnect device on the line side, or load side if mutually agreed to by Company and customer, of the meter and accessible at all times to Westar Energy 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 generator from continuing to supply power onto Westar Energy's electrical system when it is not energized or operating normally.

If the proposed Net Metered Facility is designed to provide uninterruptible power to critical loads, either through energy storage or back-up generation, the proposed Net Metered Facility includes a parallel blocking scheme for this backup source that prevents any backflow of power to Westar Energy's electrical system when the electrical system is not energized or not operating normally.

Installer Name (print): _____

Installer Name (signed): _____ Date: _____

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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 Customer-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 lock-out 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 METERING RIDER

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 with any of the terms and conditions of this Agreement. In such case, the other party may terminate this Agreement 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 be 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.

Issued - _____
Month Day Year

Effective _____
Month Day Year

By _____
Jeffrey L. Martin, Vice President

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THE -STATE CORPORATION COMMISSION OF KANSAS

WESTAR ENERGY, INC & KANSAS GAS & ELECTRIC COMPANY, d.b.a. WESTAR ENERGY

(Name of Issuing Utility)

SCHEDULE _____ NMR

Replacing Schedule _____ NMR _____ Sheet _____ 18

WESTAR RATE AREA

(Territory to which schedule is applicable)

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NET METERING RIDER

(8) Testing Requirement

Westar may require net metered facilities to be tested according to IEEE 1547 that provides testing specifications and requirements. If testing is required then IEEE 1547.1 will be utilized to verify conformance to IEEE 1547.

(9) Insurance

Westar Energy may not require a Customer-generator to purchase additional liability insurance. However, Customer-generators may have legal liabilities not covered under their existing insurance policy in the event the Customer-generator's negligence or other wrongful conduct causes personal injury (including death), damage to property, or other actions and claims.

Westar Energy shall not be liable directly or indirectly for permitting or continuing to allow an attachment of a Net Metered Facility or for the acts or omissions of the Customer-generator that cause loss or injury, including death, to any third party.

(10) Additional Terms and Conditions

Additional terms and conditions are included in the attached "Appendix A", which is hereby incorporated by reference and made a part of this Agreement.

I have read, understand, and accept the provisions of Section D (1) - (10) of this Application Agreement.

Customer-Generator (print): _____

Customer-Generator (signed): _____ Date: _____

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Jeffrey L. Martin, Vice President

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THE -STATE CORPORATION COMMISSION OF KANSAS

WESTAR ENERGY, INC & KANSAS GAS & ELECTRIC COMPANY, d.b.a. WESTAR ENERGY

(Name of Issuing Utility)

WESTAR RATE AREA

(Territory to which schedule is applicable)

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SCHEDULE _____ NMR

Replacing Schedule _____ NMR _____ Sheet _____ 19

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E. Electrical Inspection

The Net Metered Facility referenced above satisfies all operational requirements noted in Section D.

Inspector Name (print): _____

Inspector Certification: Engineer/Electrician License No. _____

Inspector Name (signed): _____ Date: _____

F. Customer-generator Acknowledgement

I have a Net Metered Facility installed on my premises and I have been given warranty information and/or an operator's manual for this facility. Also, I have been provided with a copy of Westar Energy's applicable tariff and interconnection requirements. I am familiar with the operation of the Net Metered Facility.

I agree not to operate the Net Metered Facility in parallel with Westar Energy's electrical system until this Application/Agreement has been approved by Westar Energy.

I agree to abide by the terms of this Application/Agreement and to operate and maintain the Net Metered Facility in accordance with the manufacturer's recommended practices as well as Westar Energy's interconnection standards applicable to Net Metering. If, at any time the Net Metered Facility is operating in an unusual manner, I shall disconnect the Net Metered Facility and not reconnect it to Westar Energy's electrical system until cleared to do so by Westar Energy.

Customer-Generator (print): _____

Customer-Generator (signed): _____ Date: _____

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Jeffrey L. Martin, Vice President

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THE -STATE CORPORATION COMMISSION OF KANSAS

WESTAR ENERGY, INC & KANSAS GAS & ELECTRIC COMPANY, d.b.a. WESTAR ENERGY

(Name of Issuing Utility)

SCHEDULE _____ NMR

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WESTAR RATE AREA

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NET METERING RIDER

G. Application Approval

Westar Energy does not, by approval of this Application/Agreement, assume any responsibility or liability for damage to property or physical injury to persons due to malfunction of the Net Metered Facility or the Customer-generator negligence.

This Application is approved by Westar Energy on this _____ day of _____ (month), 20 ____ (year).

Westar Energy Representative Name (print): _____

Westar Energy Representative Name (signed): _____

Issued - _____
Month Day Year

Effective _____
Month Day Year

By _____
Jeffrey L. Martin, Vice President

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THE -STATE CORPORATION COMMISSION OF KANSAS

WESTAR ENERGY, INC & KANSAS GAS & ELECTRIC COMPANY, d.b.a. WESTAR ENERGY

(Name of Issuing Utility)

SCHEDULE _____ NMR _____

Replacing Schedule _____ NMR _____, Sheet _____ 21 _____

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(Territory to which schedule is applicable)

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which was filed _____ ~~July 3,~~ October 28, 2015 _____

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shall modify the tariff as shown hereon.

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NET METERING RIDER

Appendix A: Additional Terms and Conditions.

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Month Day Year

By _____
Jeffrey L. Martin, Vice President