Parallel Generation Rate Rider for Customer-Owned Renewable Energy Generation Facilities

City of Hillsboro, Kansas

1. **AVAILABILITY**

Service under this Renewable Energy Parallel Generation Rate Rider is available to City of Hillsboro electric customers in good standing with a City-approved, Customer-owned Renewable Energy Generation Facility as defined in the City's Interconnection Standards for Installation and Parallel Operation of Customer-Owned Residential and Commercial Renewable Energy Generation Facilities ("Interconnection Standards"). Customer-Generators served under this Rate Rider must also receive service under the standard service electric rate schedule that would apply if the Customer-Generator did not have an interconnected Generation Facility.

Parallel Generation Rate Rider service is available to Customer-Generators on a first-come, first-served basis until the total rated output of all interconnected Generation Facilities served by the City under the Rate Rider equals five percent (5%) of previous calendar year Electric System peak demand. No Generation Facility shall be interconnected that would cause the rated output of all Customer-Owned Generation Facilities under the Parallel Generation Rate Rider to exceed five percent (5%) of the previous calendar year electric system peak demand. The Rate Rider shall not be available for any electric service schedule allowing for resale.

2. **CONDITIONS OF SERVICE**

The Customer-Owned Generation Facility shall be installed and operated in accordance with the requirements of the Interconnection Standards.

3. **APPLICABILITY**

This Rate Rider is applicable to eligible Customer-Generators with a City-approved Interconnection Agreement. The Rate Rider is not applicable where the nameplate AC rated output of a Generation Facility exceeds 25 kW for Residential Customer-Generators and 200 kW for Commercial Customer-Generators. Generation Facilities must be appropriately sized for the Customer-Generator's electrical load as described in Section 7.

4. **CHARACTER OF SERVICE**

The electric service shall be 60 cycles per second (60 Hertz) alternating current (AC) at supply voltages and number of phases available under the electric rate schedule that would apply if the Customer-Generator did not have an interconnected Generation Facility.

5. **METERING**

Metering shall be accomplished by use of a City-approved electric meter or meters capable of registering the flow of energy in each direction. Specific metering shall be at the City's discretion. If the existing electric meter(s) installed at the Customer-Generator's premises is not capable of measuring the bidirectional flow of electricity, the City, upon written request of the Customer-Generator, shall install, at the City's expense, an appropriate demand meter or meters with such capability. For purposes of monitoring Customer-Generator generation and load, the City may install load research metering at its expense. The Customer-Generator shall supply, at no expense to the City, a suitable location for meters and associated equipment used for billing and for load research. The City shall require each Customer-Generator to have bi-directional metering installed at the

expense of the Customer-Generator. Such metering will measure electricity provided by the City to the Customer-Generator, as well as all electricity provided by the Customer-Generator to the City.

6. CUSTOMER BILLING CREDIT

The City shall render a bill for electric service at approximately 30-day intervals during its normal billing process. Billing by the City to the Customer-Generator shall be in accordance with the applicable rate schedule. Any energy {kWh) supplied by the City to the Customer-Generator, as measured by power flow from the City to the Customer-Generator, shall be billed at the City's applicable standard rate schedule for Energy Charges, , as well as all applicable Customer Charges, Demand Charges, other charges and/or any Minimum Charges that would otherwise apply to the Customer-Generator under the standard electric rate schedule.

For energy delivered by the Customer-Generator to the Electric Distribution System, the City shall credit Customer-Generator's account one hundred fifty percent (150%) of City's avoidable energy cost as calculated by the City. At City's discretion, such amounts shall be credited to Customer-Generator's account or paid to Customer-Generator at least annually.

7. APPROPRIATELY SIZED GENERATION FACILITY

The City may refuse interconnection of any Generation Facility that is not appropriately sized for Customer-Generator's anticipated electric load or if interconnection of a proposed Generation Facility would cause total interconnected Customer-Owned Renewable Energy Generation Facilities' rated output to exceed five percent (5%) of Electric System previous calendar year peak demand.

Generation Facility rated output shall not exceed 25 kW$_{AC}$ for Residential Customer-Generators and 200 kW$_{AC}$ for Commercial Customer-Generators.

Customer-Owned Generation Facilities shall be appropriately sized for Customer-Generator's electric load as determined by the City. Such determination may include review of Customer• Generator's:

a. Minimum and average monthly demand

b. Minimum monthly and annual energy consumption

c. Other criteria as determined by the City

For Customer-Generators served under non-demand electric rates, the City will determine the appropriately sized Generation Facility rated output by dividing the Customer-Generator's monthly energy (kWh) consumption during its lowest energy use month of the previous twelve (12) months by the number of hours in said month, or by other means as determined by the City.

If at any time the rated output of Customer-Generator's Generation Facility is greater than Customer-Generator's electric load as determined by the City, credit for energy delivered by the Customer-Generator to the Electric Distribution System shall be determined in accordance with Exhibit A.

8. TERMS AND CONDITIONS

a The Customer-Generator shall furnish, install, operate and maintain in good order and repair without cost to the City such relays, locks and seals, breakers, automatic synchronizers, disconnecting devices, and other control and protective devices as required by the Interconnection Standards.

b. Prior to installing and interconnecting a Generation Facility, the Customer-Generator shall enter into a City Interconnection Agreement setting forth the terms and conditions of Generation Facility interconnection and operation.

c. Service under the Parallel Generation Rate Rider is subject to the City Interconnection Standards, Interconnection Agreement and subsequent modifications thereto.

d. The Interconnection Agreement between the City and Customer-Generator must remain in effect and the Generation Facility must remain in full compliance with the terms and conditions of the Interconnection Standards. The City reserves the right to terminate the Interconnection Agreement as described in the Interconnection Standards.

e. Charges and credits for service under this Rate Rider are exclusive of and in addition to charges for service rendered to the Customer-Generator under the applicable electric rate schedule.

f. Service under this Rate Rider is subject to all applicable provisions of City of Hillsboro Ordinances, Electric Utility Rules and Regulations, and Interconnection Standards.

g. Insurance requirements are addressed in the City Interconnection Standards.

h. Nothing in this Rate Rider shall abrogate a Customer-Generator's obligation to comply with all applicable federal, state and local laws, codes or ordinances.

i. This Parallel Generation Rate Rider is subject to the terms and conditions of the applicable electric rate schedule, City Ordinances and Electric Utility Rules and Regulations. This schedule is also subject to the provisions of the City Interconnection Standards.

9. DEFINITIONS

Definitions are as contained in the City Interconnection Standards.

RENEWABLE ENERGY PARALLEL GENERATION RATE RIDER APPLICATION

FOR SERVICE

Customer Name:_____

Service Address:_____

City:_____ State:_____ Zip:_____

Utility Account Number:_____

Contact Person:_____

Telephone Number:_____

Address:_____

City:_____ State:_____ Zip:_____

Email:_____

This application is for electric service under the City of Hillsboro ("City") Renewable Parallel Generation Rate Rider for the above Customer-Generator. The Customer-Owned Generation Facility is a Renewable Energy Generation Facility as defined in the City's Interconnection Standards for Installation and Parallel Operation of Customer-Owned Residential and Commercial Renewable Energy Generation Facilities.

The Generation Facility qualifies for the Parallel Generation Rate Rider as it meets the definitions and requirements of said Interconnection Standards. Total rated output of the Generation Facility under the Renewable Energy Parallel Generation Rate Rider is, _____KW. Customer- Generator acknowledges that he/she has read the Rate Rider and agrees to all terms and conditions contained therein, including without limitation those specified in the City of Hillsboro Interconnection Standards for Installation and Parallel Operation of Customer-Owned Residential and Commercial Renewable Energy Generation Facilities. Specifically, the Customer-Generator understands and agrees that an electric meter or meters capable of registering the flow of electricity in each direction must be in service at the Customer-Generator's premises. If a City-approved meter with this capability is not in service, Customer-Generator must submit a written request to the City to install, maintain, and read an approved meter or meters.

Customer-Generator acknowledges and agrees that operation of said Generation Facility is intended primarily to offset part or all of Customer-Generator's own energy requirements, and that the Generation Facility is not sized to exceed the annual electric energy requirements of the Customer-Generator's premises. The City shall determine whether a Generation Facility is appropriately sized for Customer-Generator's anticipated or actual electric load as described in the Renewable Energy Parallel Generation Rate Rider.

Requested By:

_____

Customer Name

_____

Authorized Signature

_____

Date

Approved By:

_____

City Official Name

_____

City Signature

_____

Date

Rejected By:

_____

Name

_____

City Signature

_____

Reason for Rejection

_____

Date

Exhibit A

Calculation of Energy Credit for Over-Sized Customer-Owned Residential and Commercial Renewable Energy Generation Facilities

Oversized Generation Facility Energy Credit = (((ASGF x 1.5) + (EGO x 1.0))/RGO) 1 AEC

Where:

ASGF (Appropriate Sized Generation Facility) is energy delivered by the Customer-Generator to the Electric Distribution System from a Customer-Owned Renewable Energy Generation Facility appropriately sized for Customer-Generator's electric load as determined by the City. Rated output shall not exceed 25 kWAC for Residential Customer-Generators and 200 kWAC for Commercial Customer• Generators.

EGO (Excess Generation Output) is energy delivered by the Customer-Generator to the Electric System from a Customer-Owned Renewable Energy Generation Facility that is not appropriately sized (exceeds) Customer-Generator's electric load as determined by the City. EGO equals RGO -ASGF, but cannot be less than zero.

RGO (Rated Generation Output) is the nameplate or rated output of Customer-Generator's Renewable Energy Generation Facility.

AEC (Avoidable Energy Cost) is the City's Avoidable Energy Cost during the applicable period as determined by the City.