

## **ARTICLE 17. Net Metering**

**82-17-1. Definitions.** The following terms used in the administration and enforcement of the Kansas net metering and easy connection act, K.S.A. 66-1263 through 66-1271 and amendments thereto, shall be defined as specified in this regulation.

(a) "Act" means the net metering and easy connection act (NMECA), K.S.A. 66-1263 through 66-1271 and amendments thereto.

(b) "Customer" means an entity receiving retail electric service from a utility.

(c) "IEEE" means the institute of electrical and electronics engineers, inc.

(d) "IEEE standard 1547" means the IEEE standard 1547, "IEEE standard for interconnecting distributed resources with electric power systems," published by the IEEE on July 28, 2003 and hereby adopted by reference.

(e) "IEEE standard 1547.1" means the IEEE standard 1547.1, "IEEE standard conformance test procedures for equipment interconnecting distributed resources with electric power systems," published by the IEEE on July 1, 2005 and hereby adopted by reference.

(f) "Net metered facility" means the equipment on a customer's side of a meter that meets the requirements in K.S.A. 66-1264(b)(1) through (b)(5), and amendments thereto.

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(g) "Parallel operation" means a net metered facility that is connected electrically to an electric distribution system for longer than 100 milliseconds.

(h) "REC" means renewable energy credit, as defined in K.S.A. 66-1257 and amendments thereto. For purposes of these regulations, this term is reflected on a certificate representing the attributes associated with one megawatt-hour (MWh) of energy generated by a renewable energy resource that is located in Kansas or serves ratepayers in the state.

(i) "UL standard 1741" means the UL standard 1741, "inverters, converters, controllers and interconnection system equipment for use with distributed energy resources," published on January 28, 2010 by underwriters laboratories inc. and hereby adopted by reference. (Authorized by K.S.A. 2009 Supp. 66-1269; implementing K.S.A. 2009 Supp. 66-1268 and 66-1269; effective P-\_\_\_\_\_.)

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**82-17-2. Utility requirements pursuant to the act.** (a) In addition to the requirements set forth in the act, any utility may install, at its expense, equipment to allow for load research metering for purposes of monitoring each net metered facility.

(b) Responsibilities for maintenance, repair, or replacement of meters, service lines, and other equipment provided by the utility shall be governed by the utility's current tariffs and terms of service on file with commission. This equipment shall be accessible at all times to utility personnel.

(c) Each utility's interconnection with a customer-generator's net metered facility shall be subject to the utility's current tariffs and terms of service on file with commission.

(d) Each utility shall enter into a written interconnection application or interconnection agreement with each customer-generator that is equivalent to sample forms available from the commission. Each agreement shall include the following information:

- (1) Customer name, mailing address, service address, phone number, and emergency contact phone number;
- (2) utility account number and number of meters associated with the account;
- (3) information about the net metered facility, including AC power rating, voltage, type of system, address of the net metered facility, and the name

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of the manufacturer and the model number of the inverter or interconnection equipment;

(4) information about the installation of the net metered facility, including the name and license number of the contractor who installed the facility, and verification that the net metered facility meets the standards in K.A.R. 82-17-1(c), (d), (e), and (i);

(5) information regarding dispute resolution opportunities available with the commission as specified in K.A.R. 82-1-20;

(6) information regarding periodic testing requirements necessary to meet the standards in K.A.R. 82-17-1(c), (d), (e), and (i); and

(7) verification by a licensed engineer or licensed electrician that the net metered facility has been installed in a manner that meets the requirements of all applicable codes and standards for that net metered facility. (Authorized by K.S.A. 2009 Supp. 66-1269; implementing K.S.A. 2009 Supp. 66-1265, 66-1269, and 66-1270; effective P-\_\_\_\_\_.)

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**82-17-3. Tariff requirements.** Each utility shall file a tariff with the commission setting forth the terms and conditions for net metering interconnection with a customer-generator. In addition to setting forth the terms and conditions required by the act, the tariff shall include the following information:

(a) Any specific criteria and guidelines for determining the appropriate size of generation to fit the expected load;

(b) a provision requiring the customer-generator to furnish, install, operate, and maintain in good repair without cost to the utility any relays, locks and seals, breakers, automatic synchronizers, disconnecting devices, and any other control and protective devices required by an applicable recognized industry standard that is clearly identified in the tariff or in a tariff that is already approved by the commission, or by any requirements adopted by federal, state or local governing authorities for the interconnection of net-metered facilities, for the parallel operation of the net metered facility with the utility's system;

(c) a provision requiring the customer-generator to supply, at no expense to the utility, a suitable location for the utility's equipment;

(d) a statement indicating whether or not the utility requires the customer-generator to install a utility-controlled manual disconnect switch located on the line side of a meter that has the capability to be locked out by utility personnel to isolate the utility's facilities if an electrical outage in the utility's facilities occurs. If a manual switch is required, the utility shall give notice to the customer-generator, as soon possible,

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when the switch is locked out or used by the utility. The disconnect switch may also serve as a means of isolation for the net metered facility during any customer-generator maintenance activities, routine outages, or emergencies;

(e) a requirement that the customer-generator shall notify the utility before the initial energizing or start-up testing, or both, of the net metered facility. The utility shall have the right to be present at these times;

(f) the requirement that, if harmonics, voltage fluctuations, or other disruptive problems on the utility's system can be directly attributed to the operation of the net metered facility, each problem shall be corrected at the customer-generator's expense. The utility shall provide to the customer-generator a written estimate of all costs that will be incurred by the utility and billed to the customer-generator to accommodate interconnection or correct problems;

(g) a requirement that no net metered facility shall damage the utility's system or equipment or present an undue hazard to utility personnel; and

(h) a requirement that the customer-generator enter into a written interconnection application or interconnection agreement with the utility, as specified in K.A.R. 82-17-2(d). (Authorized by K.S.A. 2009 Supp. 66-1269; implementing K.S.A. 2009 Supp. 66-1264, 66-1268, 66-1269; effective P-\_\_\_\_\_.)

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**82-17-4. Reporting requirements.** (a) Each utility shall annually submit to the commission, by March 1, a report in a format approved by the commission listing all net metered facilities connected with the utility during the prior calendar year, pursuant to the act.

(b) Each report shall specify the following information:

(1) Information by customer type, including the following for each net metered facility:

(A) The type of generation resource in operation;

(B) zip code of the net metered facility;

(C) first year of interconnection;

(D) any excess kilowatt-hours that expired at the end of the prior calendar year;

(E) generator size; and

(F) number and type of meters; and

(2) the utility's system retail peak in Kansas and total rated net metered generating capacity for all net metered facilities connected with the utility's system in Kansas. (Authorized by K.S.A. 2009 Supp. 66-1269; implementing K.S.A. 2009 Supp. 66-1265, 66-1266, 66-1269, and 66-1271; effective P-\_\_\_\_\_.)

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**82-17-5. Renewable energy credit program.** As specified in K.A.R. 82-16-6, neither utilities nor customer-generators may create, register, or sell renewable energy credits (RECs) from energy produced by a net metered facility that is used by a utility to comply with the requirements of the renewable energy standards act. Each utility shall inform a customer-generator if the utility does not intend to use the capacity of the customer-generator's net metered facility, in whole or part, to comply with these requirements for any specified calendar year or years. The utility shall provide this notice on or before October 1 of the year preceding the first such specified year. (Authorized by K.S.A. 2009 Supp. 66-1269; implementing K.S.A. 2009 Supp. 66-1271; effective P-\_\_\_\_\_.)

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