Standard Rate Rider **NMS**
Net Metering Service

NET METERING SERVICE INTERCONNECTION GUIDELINES (continued)

operating properly; however, Company will have no obligation to inspect, witness tests, or in any manner be responsible for Customer's facilities or operation thereof.

6. Customer assumes all responsibility for the electric service on Customer's premises at and from the point of delivery of electricity from Company and for the wires and equipment used in connection therewith, and will protect and save Company harmless from all claims for injury or damage to persons or property occurring on Customer's premises or at and from the point of delivery of electricity from Company, occasioned by such electricity or said wires and equipment, except where said injury or damage will be shown to have been occasioned solely by the negligence or willful misconduct of Company.

Level 1 – A Level 1 installation is defined as an inverter-based generator certified as meeting the requirements of Underwriters Laboratories Standard 1741 and meeting the following conditions:

1. The aggregated net metering generation on a radial distribution circuit will not exceed 15% of the line section's most recent one hour peak load. A line section is the smallest part of the primary distribution system the generating facility could remain connected to after operation of any sectionalizing devices.
2. The aggregated net metering generation on a shared singled-phase secondary will not exceed 20 kVA or the nameplate rating of the service transformer.
3. A single-phase net metering generator interconnected on the center tap neutral of a 240 volt service shall not create an imbalance between the two sides of the 240 volt service of more than 20% of the nameplate rating of the service transformer.
4. A net metering generator interconnected to Company's three-phase, three-wire primary distribution lines, shall appear as a phase-to-phase connection to Company's primary distribution line.
5. A net metering generator interconnected to Company's three-phase, four-wire primary distribution lines, shall appear as an effectively grounded source to Company's primary distribution line.
6. A net metering generator will not be connected to an area or spot network.
7. There are no identified violations of the applicable provisions of IEEE 1547, "Standard for Interconnecting Distributed Resources with Electric Power Systems".
8. Company will not be required to construct any facilities on its own system to accommodate the net metering generator.

C11/1/10

Customer desiring a Level 1 interconnection shall submit a "LEVEL 1 - Application for Interconnection and Net Metering." Company shall notify Customer within 20 business days as to whether the request is approved or, if denied, the reason(s) for denial. If additional information is required, the Company will notify Customer, and the time between notification and submission of the information shall not be counted towards the 20 business days. Approval is contingent upon an initial inspection and witness test at the discretion of Company.

Level 2 – A Level 2 installation is defined as generator that is not inverter-based; that uses equipment not certified as meeting the requirements of Underwriters Laboratories Standard 1741; or that does not meet one or more of the conditions required of a Level 1 net metering generator. A Level 2 Application will be approved if the generating facility meets the Company's technical interconnection requirements. Those requirements are available on line at www.lge-ku.com and upon request.

KENTUCKY
PUBLIC SERVICE COMMISSION
JEFF R. DEROUEN
EXECUTIVE DIRECTOR
TARIFF BRANCH
Brent Kirtley
EFFECTIVE
8/1/2010
PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

Date of Issue: August 6, 2010
Date Effective: August 17, 2009
Issued By: Lonnie E. Bellar, Vice President, State Regulation and Rates, Louisville, Kentucky

Lonnie E Bellar

Issued by Authority of an Order of the KPSC in Case No. 2009-00549 dated July 30, 2010

Standard Rate Rider **NMS**
Net Metering Service

LEVEL 1

Application for Interconnection and Net Metering

*Use this application form only for a generating facility that is inverter based and certified by a nationally recognized testing laboratory to meet the requirements of **UL 1741.***

Submit this Application to:

Louisville Gas and Electric Company, Attn: Customer Commitment,
P. O. Box 32010, Louisville, KY 40232

If you have questions regarding this Application or its status, contact LG&E at:

502-627-2202 or customer.commitment@eon-us.com

Customer Name: _____ Account Number: _____

Customer Address: _____

Customer Phone No.: _____ Customer E-mail Address: _____

Project Contact Person: _____

Phone No.: _____ E-mail Address (Optional): _____

Provide names and contact information for other contractors, installers, or engineering firms involved in the design and installation of the generating facilities:

_____

_____

_____

Energy Source: ____Solar ____Wind ____Hydro ____Biogas ____Biomass C1/1/10

Inverter Manufacturer and Model #: _____

Inverter Power Rating: _____ Inverter Voltage Rating: _____

Power Rating of Energy Source (i.e., solar panels, wind turbine): _____

Is Battery Storage Used: ____No ____Yes If Yes, Battery Power Rating: _____

Attach documentation showing that inverter is certified by a nationally recognized testing laboratory to meet the requirements of UL 1741.

Attach site drawing or sketch showing location of Utility's meter, energy source, ***(optional: Utility accessible disconnect switch)*** and inverter.

Attach single line drawing showing all electrical equipment from the Utility's metering location to the energy source including switches, fuses, breakers, panels, transformers, inverters, energy source, wire size, equipment ratings, and transformer connections.

Expected Start-up Date: _____

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Louisville Gas and Electric Company

P.S.C. Electric No. 8, Original Sheet No. 57.6

Standard Rate Rider **NMS**
Net Metering Service

LEVEL 2

Application for Interconnection and Net Metering

*Use this application form when a generating facility is not Inverter-based or is not certified by a nationally recognized testing laboratory to meet the requirements of **UL** 1741 or does not meet any of the additional conditions under Level 1.*

Submit this Application, along with an application fee of $100, to:

Louisville Gas and Electric Company, Attn: Customer Commitment,
P. O. Box 32010, Louisville, KY 40232

If you have questions regarding this Application or its status, contact LG&E at:

502-627-2202 or customer.commitment@eon-us.com

Customer Name: _____ Account Number: _____

Customer Address: _____

Project Contact Person: _____

Phone No.: _____ E-mail Address (Optional): _____

Provide names and contact information for other contractors, installers, or engineering firms involved in the design and installation of the generating facilities:

_____

_____

_____

Total Generating Capacity of Generating Facility: _____

Type of Generator: ____Inverter-Based ____Synchronous ____Induction

C11/1/10

Power Source: ____Solar ____Wind ____Hydro ____Biogas ____Biomass

Adequate documentation and information must be submitted with this application to be considered complete. Typically this should include the following:

1. Single-line diagram of the customer's system showing all electrical equipment from the generator to the point of interconnection with the Utility's distribution system, including generators, transformers, switchgear, switches, breakers, fuses, voltage transformers, current transformers, wire sizes, equipment ratings, and transformer connections.
2. Control drawings for relays and breakers.
3. Site Plans showing the physical location of major equipment.
4. Relevant ratings of equipment. Transformer information should include capacity ratings, voltage ratings, winding arrangements, and impedance.
5. If protective relays are used, settings applicable to the interconnection protection. If programmable relays are used, a description of how the relay is programmed to operate as applicable to interconnection protection.
6. A description of how the generator system will be operated including all modes of operation.
7. For inverters, the manufacturer name, model number, and AC power rating. For certified inverters, attach documentation showing that inverter is certified by a nationally recognized testing laboratory to meet the requirements of UL 1741.
8. For synchronous generators, manufacturer and model number, nameplate ratings, and impedance data (Xd, X'd, & X"d).
9. For induction generators, manufacturer and model number, nameplate ratings, and locked rotor current.

Customer Signature: _____ Date: _____

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