



# Level 1

## Application for Interconnection and Net Metering - Kentucky

Use this application form only for a 30 kW or smaller generation facility in Kentucky that is inverter based and certified by a nationally recognized testing laboratory to meet the requirements of UL 1741.

Submit a signed copy of this Application (including all required attachments) by mail, email, or FAX to:

Duke Energy Kentucky  
Attention: Customer Owned Generation-ST13A  
P.O. Box 1010  
Charlotte, NC 28201  
FAX: 980-373-5244  
EMAIL: customerownedgeneration@duke-energy.com

Contact information listed is subject to change.  
Please visit our website for up-to-date information at  
<http://www.duke-energy.com/kentucky/customer-owned-generation.asp>

If you have questions regarding this Application or its status, please call 866-233-2290.

### APPLICANT INFORMATION – Use name as it appears on Duke Energy bill

Customer Name: \_\_\_\_\_ Account Number: \_\_\_\_\_

Customer Address: \_\_\_\_\_

Phone No.: \_\_\_\_\_ E-Mail Address(Optional): \_\_\_\_\_

Project Contact Person (If different than above): \_\_\_\_\_

Phone No.: \_\_\_\_\_ E-mail Address (Optional): \_\_\_\_\_

**CANCELLED**  
**January 1, 2025**  
**KENTUCKY PUBLIC SERVICE COMMISSION**

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### GENERATING FACILITY INFORMATION

Energy Source:  Solar  Wind  Hydro  Biogas  Biomass

Inverter Manufacturer, Model # & Quantity: \_\_\_\_\_

Total 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: \_\_\_\_\_

Expected Start-up Date: \_\_\_\_\_

**KENTUCKY PUBLIC SERVICE COMMISSION**  
**JEFF R. DEROUEN**  
EXECUTIVE DIRECTOR  
TARIFF BRANCH  
*Brent Kirtley*  
EFFECTIVE  
**5/9/2014**  
PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

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 the energy source, inverter, and Duke Energy's meter.

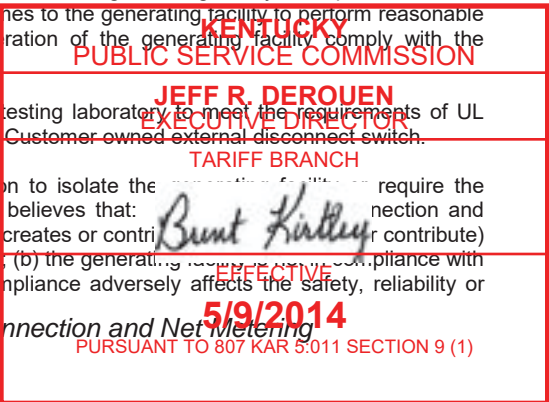
Attach single line drawing showing all electrical equipment from Duke Energy's metering location to the energy source including switches, fuses, breakers, panels, transformers, inverters, energy source, wire size, equipment ratings, and transformer connections.



**TERMS AND CONDITIONS**

Any Customer operating a generating device in parallel with the Company's system shall comply with the following Terms and Conditions. The term "Company" refers to Duke Energy Kentucky.

- 1. The Company shall provide Customer net metering services, without charge for standard metering equipment, through a standard kilowatt-hour metering system capable of measuring the flow of electricity in two (2) directions. If the Customer requests any additional meter or meters or distribution upgrades are needed to monitor the flow in each direction, such installations shall be at the Customer's expense.
2. Customer shall install, operate, and maintain, at Customer's sole cost and expense, any control, protective, or other equipment on the Customer's system required by the Company's technical interconnection requirements based on IEEE 1547, the NEC, accredited testing laboratories such as Underwriters Laboratories, and the manufacturer's suggested practices for safe, efficient and reliable operation of the generating facility in parallel with Company's electric system. Customer shall bear full responsibility for the installation, maintenance and safe operation of the generating facility. Upon reasonable request from the Company, Customer shall demonstrate generating facility compliance.
3. The generating facility shall comply with, and Customer shall represent and warrant its compliance with: (a) any applicable safety and power quality standards established by IEEE and accredited testing laboratories such as Underwriters Laboratories; (b) the (NEC) as may be revised from time to time; (c) Company's rules, regulations, and Company's Service Regulations as contained in Company's Retail Electric Tariff as may be revised from time to time with the approval of the Kentucky Public Service Commission (Commission); (d) the rules and regulations of the Commission, as such rules; (d) the rules and regulations of the Commission, as such rules and regulations may be revised from time to time by the Commission; and (e) all other applicable local, state, and federal codes and laws, as the same may be in effect from time to time. Where required by law, Customer shall pass an electrical inspection of the generating facility by a local authority having jurisdiction over the installation.
4. Any changes or additions to the Company's system required to accommodate the generating facility shall be considered excess facilities. Customer shall agree to pay Company for actual costs incurred for all such excess facilities prior to construction.
5. Customer shall operate the generating facility in such a manner as not to cause undue fluctuations in voltage, intermittent load characteristics or otherwise interfere with the operation of Company's electric system. At all times when the generating facility is being operated in parallel with Company's electric system, Customer shall so operate the generating facility in such a manner that no adverse impacts will be produced thereby to the service quality rendered by Company to any of its other customers or to any electric system interconnected with Company's electric system. Customer shall agree that the interconnection and operation of the generating facility is secondary to, and shall not interfere with, Company's ability to meet its primary responsibility of furnishing reasonably adequate service to its customers.
6. Customer shall be responsible for protecting, at Customer's sole cost and expense, the generating facility from any condition or disturbance on Company's electric system, including, but not limited to, voltage sags or swells, system faults, outages, loss of a single phase of supply, equipment failures, and lightning or switching surges, except that the Company shall be responsible for repair of damage caused to the generating facility resulting solely from the negligence or willful misconduct on the part of the Company.
7. After initial installation, Company shall have the right to inspect and/or witness commissioning tests, as specified in the Level 1 application and approval process. Following the initial testing and inspection of the generating facility and upon reasonable advance notice to Customer, Company shall have access at reasonable times to the generating facility to perform reasonable on-site inspections to verify that the installation, maintenance and operation of the generating facility comply with the requirements of the Company's Net Metering Tariff.
8. For inverter based systems that are certified by a nationally recognized testing laboratory to meet the requirements of UL 1741 and qualify for a Level 1 application, the Company does not require a Customer-owned external disconnect switch.
9. Company shall have the right and authority at Company's sole discretion to isolate the generating facility and require the Customer to discontinue operation of the generating facility if Company believes that: (a) the generating facility interconnection and parallel operation of the generating facility with Company's electric system creates or contributes to a system emergency on either Company's or Customer's electric system; or (b) the generating facility does not comply with the requirements of the Company's Net Metering Tariff, and the non-compliance adversely affects the safety, reliability or



power quality of Company's electric system; or (c) the generating facility interferes with the operation of Company's electric system. In non-emergency situations, Company shall give Customer notice of noncompliance including a description of the specific noncompliance condition and allow Customer a reasonable time to cure the noncompliance prior to isolating the Generating Facilities. In emergency situations, where the Company is unable to immediately isolate or cause the Customer to isolate only the generating facility, the Company may isolate the Customer's entire facility.

10. Customer shall agree that, without the prior written permission from Company, no changes shall be made to the generating facility as initially approved. Increases in generating facility capacity will require a new "Application for Interconnection and Net Metering" which will be evaluated on the same basis as any other new application. Repair and replacement of existing generating facility components with like components that meet UL 1741 certification requirements for Level 1 facilities and not resulting in increases in generating facility capacity is allowed without approval.
11. To the extent permitted by law, the Customer shall protect, indemnify and hold harmless the Company and its directors, officers, employees, agents, representatives and contractors against and from all loss, claims, actions or suits, including costs and attorneys fees, for or on account of any injury or death of persons or damage to property caused by the Customer or the Customer's employees, agents, representatives and contractors in tampering with, repairing, maintaining or operating the Customer's generating facility or any related equipment or any facilities owned by the Company except where such injury, death or damage was caused or contributed to by the fault or negligence of the Company or its employees, agents, representatives or contractors.

The liability of the Company to the Customer for injury to person and property shall be governed by the tariff(s) for the class of service under which the Customer is taking service.

12. The Customer shall maintain general liability insurance coverage (through a standard homeowner's, commercial or other policy) for Level 1 generating facilities. Customer shall upon request provide Company with proof of such insurance at the time that application is made for net metering.
13. By entering into an Interconnection Agreement, or by inspection, if any, or by non-rejection, or by approval, or in any other way, Company does not give any warranty, express or implied, as to the adequacy, safety, compliance with applicable codes or requirements, or as to any other characteristics, of the generating facility equipment, controls, and protective relays and equipment.
14. A Customer's generating facility is transferable to other persons or service locations only after notification to the Company has been made and verification that the installation is in compliance with the Company's Net Metering Tariff. Upon written notification that an approved generating facility is being transferred to another person, customer or location, the Company will verify that the installation is in compliance with the Company's Net Metering Tariff and provide written notification to the customer(s) within 20 business days. If the installation is no longer in compliance with the Company's Net Metering Tariff, the Company will notify the Customer in writing and list what must be done to place the facility in compliance.
15. The Customer shall retain any and all Renewable Energy Credits (RECs) that may be generated by their generating facility.

**Effective Term and Termination Rights**

This Agreement becomes effective when executed by both parties (the application is signed by the Customer and written approval is given by the Company) and shall continue in effect until terminated. This Agreement may be terminated as follows: (a) Customer may terminate this Agreement at any time by giving the Company at least sixty (60) days' written notice; (b) Company may terminate upon failure by the Customer to continue ongoing operation of the generating facility; (c) either party may terminate by giving the other party at least thirty (30) days prior written notice that the other party is in default of any of the terms and conditions of the Agreement or the Rules or any rate schedule, tariff, regulation, contract, or policy of the Company, so long as the notice specifies the basis for termination and there is opportunity to cure the default; (d) the company may terminate by giving the Customer at least thirty (30) days notice in the event that there is a material change in an applicable law, regulation or statute affecting this Agreement or which renders the system out of compliance with the new law or statute.

**CUSTOMER SIGNATURE**

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to abide by all the Special Terms and Conditions included in this "Application for Interconnection and Net Metering" and the Company's Rider NM – Net Metering.

Customer Signature	<b>CANCELLED</b> January 1, 2025	Date	<b>KENTUCKY PUBLIC SERVICE COMMISSION</b> <b>JEFF R. DEROUEN</b> EXECUTIVE DIRECTOR TARIFF BRANCH
Printed Name	<b>KENTUCKY PUBLIC SERVICE COMMISSION</b>	Title	<i>Brent Kirtley</i> EFFECTIVE <b>5/9/2014</b>