

# Logan City Light and Power



## **NET METERING POLICY August 2007**

## **Applicability**

This policy sets forth requirements for the interconnection of customer electric generating facilities, including those that generate renewable energy, within Logan City electric distribution systems. The Net Metering Program is available on a first-come, first-served basis to customers located within the City's current service territory who own and operate a solar, wind, hydro or biomass electric generator located on the customer's premises, with the following conditions:

- a. Intended to offset part or all of the customer's own electrical requirements.
- b. A capacity of up to 10 kW for residential and 500 kW for commercial or industrial customers.
- c. Interconnected with Logan City's electric system; and
- d. Operates in parallel with Logan City's distribution system.

## **Definitions**

The following words and terms, when used in this policy, shall have the following meanings, unless the context clearly indicates otherwise.

"City" means the Logan City Light and Power Department (LCL&P).

"Customer" means a Logan City Light and Power customer that generates renewable energy, on the customer's side of the meter and receives an electric utility bill from the City of Logan.

"Customer-generating facility" means the equipment used by a customer generator to generate, manage, and monitor electricity. A Customer-Generating Facility typically includes an electric generator and/or an equipment package, as defined herein.

"Distribution System" means that portion of an electric system which delivers electricity from transformation points on the transmission system to points of connection at a customer's premises.

"IEEE Standard" means the standards published by the Institute of Electrical and Electronic Engineers, available at [www.ieee.org](http://www.ieee.org).

"Inverter" means a device that converts direct current power into alternation current power that is compatible with power generated or supplied by Logan City Light and Power.

"NEC" and "NESC" means the most current version of the National Electrical Code and National Electrical Safety Code respectively.

"Net metering" means a system of measuring the difference between the electricity supplied by Logan City Light and Power and the electricity generated by an eligible renewable energy system and fed onto the electric grid over the applicable billing period.

"Renewable energy" means a system that generates electricity derived from the sun, wind, hydro or biomass.

"UL Standard" – means the standards published by the Underwriters Laboratory available at [www.ul.com](http://www.ul.com)

## **Application**

Logan City Light and Power (LCL&P) will offer net metering to their Customers that generate electricity, on the Customer side of the meter, using renewable energy sources, provided that the generating capacity of the customer-generating facility does not exceed the capacity of the City's distribution system.

If, in a given monthly billing period, a customer supplies more electricity to the electric distribution system than the City delivers to the Customer, the City will credit the Customer for the excess according to the rates set forth in the City's "Net Metering Rate Schedule".

## **Special Conditions**

- A. Certification:** A customer-generating facility must be certified as complying with the following standards, as applicable, prior to connecting to the City's distribution system:
- a. IEEE Standard 1547, Standard for Interconnecting Distributed Resources with Electric Power Systems, as amended and supplemented.
  - b. UL Standard 1741, Inverters, Converters, and Controllers for Use in Independent Power Systems, as amended and supplemented.
  - c. An equipment package shall be considered certified for interconnected operation if all components have been submitted by a manufacturer to a nationally recognized testing and certification laboratory, and has been tested and listed by the laboratory for continuous interactive operation with an electric distribution system in compliance with the applicable codes and standards listed above. The LCL&P Department has the right to approve or deny other renewable energy systems components on a case-by-case basis.

## **B. Approval and Inspection**

### **a. Prior to Interconnection**

Any Customer desiring a Net Metering Agreement must make application with and receive approval by the LCL&P Department. The customer must complete a form with applicable information about the interconnection for accounting and safety purposes. All modifications or improvements required to Logan City's distribution system due to the customer - generating facility shall be paid for by the customer.

After installation of the customer-generating facility and prior to production of energy, the system shall be inspected and approved by the Logan City Building Department and the LCL&P Department. The Customer must also obtain any necessary permits and pay all applicable fees.

The city will provide one bi-directional meter in lieu of the standard meter that is capable of measuring power flow in and out of the customers metering equipment. The meter will be one that is compatible with standard meter bases required by any customer of equal size and type.

### **b. After Interconnection**

The City shall have the right to inspect a customer-generating facility after interconnection approval is granted, at reasonable hours and with reasonable prior notice to the Customer. If the City discovers that the customer-generating facility is not in compliance with the requirements of this policy, and the noncompliance adversely affects the safety or reliability of the electric distribution system, the City may require the Customer to disconnect the customer-generating facility until compliance is achieved.

## **C. Testing and Maintenance**

- a. Once a net metering interconnection has been approved under this policy, the City will require a Customer to test or perform maintenance on its facility as per the following:
- b. An annual test in which the customer-generating facility is disconnected from the City's distribution equipment to ensure that the inverter stops delivering power to the grid;
- c. Any manufacturer-recommended testing or maintenance; and any post-installation testing necessary to ensure compliance with IEEE 1547 or to ensure safety.

## **D. Disconnection and Metering**

- a. The City shall have the right to disconnect the customer-generating facility in the event it causes system problems. The Customer will have the option of correcting the problem, at which time the system will be re-inspected before beginning operation again.

- b. The Customer shall be required to install a manual disconnect located within 10 feet of the meter. The disconnect shall be readily accessible by City authorized personal and located outside any fencing. In addition, roof mounted systems must have a roof mounted manual disconnect as per NEC and local codes.
- c. The Customer shall be required to meet all current applicable electrical codes (NEC, NESC) and the City's metering and disconnection requirements, including but not limited to installation of new meter base and panel.

**E. Liability**

- a. The Customer shall be responsible for any damage caused by the customer-generating facility to City's distribution system and/or neighboring services. The Customer shall be responsible for the installation and maintenance of applicable protection equipment, and for any damage caused by improper application, maintenance or faulty equipment. LCL&P shall not be liable directly or indirectly for permitting or continuing to allow an attachment of a net metering facility, or for the acts or omissions of the customer-generator that cause loss or injury, including death, to any third party.