

ASHBURNHAM MUNICIPAL LIGHT PLANT MEDIUM AND LARGE Commercial Distributed Generation Policy (CDGP)

Policy Description: This policy specifies the treatment of commercial distributed generation (“DG”) installations. All DG customers must have an approved interconnection agreement with the Ashburnham Municipal Light Plant (“AMLP”) prior to system installation. The customer must comply with all requirements in the CDGP (controlling document) prior to commercial operation.

Commercial customers are not expected to produce excess distributed generation at any time. All generation shall be consumed by the customer at the site of generation in order to qualify for an interconnection agreement.

Third-party Purchase Power Agreements (PPA) with an agent or solar installer are not permitted per Commonwealth of MA statute General Law c.164 s.47A. Virtual networks and/or neighborhood distributed generation installations are not permitted.

The generating facility must be owned by and located on property owned by the customer-generator. The generator must operate in parallel with the customer’s existing distribution facilities. The primary intent of the generation must be to offset a portion of the customer-generator’s existing on-site electric power requirements. Customers are responsible for payment to the AMLP for all other charges including distribution, transmission, renewable energy fund contributions, etc. for all kW hours consumed by customer.

Medium Commercial Generator DG Installations (10 to 30 kW): Any interconnected DG system greater than 10 kW will be included in this category and shall be on a General Service or Industrial Rate. The DC capacity size of commercial installations will be limited to a kW value designated and provided by the AMLP to the customer. Customer consumption at any given hour must meet or exceed this value. Installations will be limited to a maximum size of 30 kW, and must be owned by a properly registered commercial, industrial, agricultural, or governmental entity with a place of business at the site of the generator.

Large Generator DG Installations (Greater than 30 kW):

Large installations may be permitted only with the execution of a multi-year PPA whereby the AMLP purchases the entirety of the output of the generator. This arrangement is solely dependent upon the existing AMLP power supply portfolio and open position(s) thereof. All PPA’s will be decided upon by the General Manager.

Safety & Operation: Customers must not interconnect their generating facility with the Department’s distribution facilities until they receive written authorization from AMLP and approval from the Wiring and Building Inspector(s). Unauthorized interconnections may result in injury to persons and damage to equipment or property for which the customer may be liable.

General Provisions

Notice Provisions

If at any time, in the reasonable exercise of AMLP's judgement, operation of the facility adversely affects the quality of service to AMLP's customers or interferes with the safe and reliable operation of the Distribution System, AMLP may discontinue service to the Interconnecting Customer until the condition has been corrected. Unless an emergency exists or the risk of one is imminent, AMLP shall give the Interconnecting Customer reasonable notice of its intention to discontinue service and where practical, allow suitable time for interconnecting customer to remedy the offending condition. AMLP's judgement with regard to discontinuing delivery or disconnecting facilities under this paragraph shall be made in accordance with Good Utility Practice. In the case of such discontinuation, AMLP shall immediately confer with the Interconnecting Customer regarding the conditions causing such discontinuation and its recommendation concerning the timely correction thereof.

Access and Control

Representatives of AMLP shall, at all reasonable times have access to the Facility to make reasonable inspections. At the Facility, such representatives shall make themselves known to the Interconnecting Customer, state the object of their visit, and conduct themselves in a manner that will not interfere with the construction or operation of the Facility. AMLP will have control such that it may open or close the disconnect switch. Failure to allow system inspection including a review of interfering vegetation will result in disconnection of facility.

Force Majeure

An event of Force Majeure means any act of God, labor disturbance, act of public enemy, war, insurrection, riot, fire, storm or flood, explosion, breakage or accident to machinery or equipment, any curtailment, order or restriction imposed by governmental, military, or lawfully established civilian authorities, or any other cause beyond either party's control. A Force Majeure event does not include an act of negligence or intentional wrongdoing. Neither AMLP nor the Interconnecting Customer will be considered in default as to any obligation under Interconnection Requirements if prevented from fulfilling the obligation due to an event of Force Majeure. However, a party whose performance is hindered by an event of Force Majeure shall make all reasonable efforts to perform its obligations under this Interconnecting Requirements.

Indemnification

The Interconnecting Customer shall at all times indemnify, defend, and save AMLP harmless from any and all damages, losses, claims, including claims and actions relating to injury to or death of any person or damage to property, demands, suits, recoveries, cost and expenses, court costs, attorney fees, and all other obligations by or to third parties, arising out of or resulting from AMLP's performance of its obligations under this Interconnection Requirements on behalf of the Interconnecting Customer, except in cases of gross negligence or intentional wrongdoing by AMLP.

Fees:

The customer is responsible for a \$100 application processing fee. This fee is non-refundable.

AMLP reserves the right to disconnect generation systems for reasons of public safety or when they are determined to interfere with the operation of Department or other customer equipment, in the sole judgment of the Department. Any corrections or modifications to the equipment will be at the sole expense of the customer-generator.

AMLP reserves the right to change this policy at any time to reflect changes in its Electric Rate Schedules or to bill the customer-generator for any costs that occur as a result of charges directly related to the customer generator.

Effective Date : December 3rd, 2019

Signed  _____
Richard Ahlin

Signed  _____
Mark Carlisle

Signed  _____
Stephen Hogan

Application Process and Forms

Application Process and Forms

Customer must provide information about the specific installation, including but not limited to, manufacturer, AC output, rating, model and serial number.

Single-Line Diagram

The Single-Line Diagram must show all devices for the system equipment ratings, wire sizes and a visible, accessible and lockable disconnect switch ("safety switch"). Please note that the disconnect switch must be installed in a readily accessible location normally within **10 feet** of the AMLP meter socket panel (or adjacent to customer's main electrical equipment), allowing accessibility for utility personnel or emergency services personnel to operate the switch at any time.

Requirements

AMLP approval is based upon the following regulatory and safety requirements:

- **Certified Inverters.** You must choose an inverter that meets AMLP certification requirements.
- **Approved Disconnect Switches.** Disconnect switch must be a blade-type switch ("knife switch"). Circuit breakers or the pullout switches commonly used in air-conditioning units and spas are not acceptable and will not be approved. Additionally, the customer is solely responsible for the maintenance of all fuses in fused blade-type disconnect switches.
- **Protection Equipment.** It may be necessary for Ashburnham Municipal Light Plant to install, at customer expense, protection equipment necessary to ensure safe and reliable operation of the Utility's facilities. The need for protective equipment will vary, depending on a number of factors, including the location of customer's facility within the AMLP distribution system.

Pre-Parallel Inspections

Upon notification of the generator's readiness for the pre-parallel inspection, scheduling an inspection can take up to 10 days for certified generators with no external relays and up to 30 days for all other generators due to the availability of resources.

The following items must be completed prior to the scheduling of the inspection:

1. Execute all required agreements
2. Install net generation electric output meter (Utility owned)
3. Provide a copy of the final signed Town of Ashburnham permit(s)
4. Completion of any electric work by Ashburnham Municipal Light Plant (if necessary)

Once you have submitted the below documents, the Utility's engineering staff or consulting engineer will begin review of the project. As soon as the Utility receives the final, signed application, we will contact you to schedule an onsite inspection.

By signing your name below, you certify that you have read and agree to the terms outlined in Ashburnham Municipal Light Department's CDGP and the Terms and Conditions for Process Interconnections. You also certify that the application below is complete and accurate to the best of your knowledge.

Signed (Customer) _____ Date: _____

AMLP Standard Form Interconnection Application and Agreement

Section 1. Customer Information

Name _____ email: _____

System Address: _____

City: _____ State: _____ Zip Code: _____

Street Address (if different from above): _____

Daytime Phone: _____ Evening Phone: _____

Utility Customer Account Number : _____

Section 2. Generating Facility Information

System Type: Solar Wind Hydro Fuel Cell Generator Battery

Size (kW AC): _____

Inverter Manufacturer: _____ Inverter Model: _____

Inverter Serial Number: _____ Inverter Power Rating: _____

Inverter Location: _____

Disconnect Type: Separate Manual Disconnect – Location: _____

Section 3. Planned Installation Information

Licensed Electrician: _____ MA License #: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Daytime Phone #: _____ Planned Installation Date: _____

Section 4. Certifications

The generating facility meets the requirements of AMLP and applicable IEEE standards and is listed by Underwriters Laboratories (UL) or other nationally recognized testing laboratory

Signed (Equipment Vendor): _____ Date: _____

Name (Printed): _____ Company: _____

Listing: _____ (UL or other NRTL)

Property & System Owner 1 _____
Sign, Date, and print name

Property & System Owner 1 _____
Sign, Date, and print name

Section 5. Utility and Building Division Inspection and Approval (to be completed by Utility)

1. Application Approved: _____ Date: _____

2. System Inspection by Town: _____ Insp Date: _____

3. System Inspection by AMLP: _____ Insp Date: _____