

# Guide to Residential Solar Generation & Net Metering

Understanding the process to connect your solar array to the  
Paxton Municipal Light Department electrical distribution system

Adopted by the Board of Light Commissioners: September 19, 2018

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### What You Need to Know

Included in this guide are the documents that will help you understand the process of interconnecting your system to ours for net metering:

- Steps to take to interconnect your solar array
- Checklist to follow when applying to interconnect and net meter
- PMLD Residential Distributed Generation Policy Tariff #96
- Critical forms for net metering your system
  - Interconnection Application/Agreement with Terms and Conditions
  - Certificate of Completion

### About Net Metering

**Net Metering** is a simple way to connect renewable energy systems (solar arrays) up to 10 Kilowatts in size to the electric grid to offset your electricity use from PMLD. A net metered solar installation allows you to take electricity from our distribution lines at night or any time when your solar system is not meeting your needs.

With net metering, excess energy produced by your solar system and not immediately used by your home is sent back to our electric lines, generating a credit on your account. When you use electricity supplied by PMLD, your available solar credit (if any) will be applied toward any energy charges.

The Residential Distributed Generation Policy included in this guide was adopted by the Board of Light Commissioners on September 19, 2018.

**IMPORTANT:** No customer can enter into a Purchase Power Agreement (PPA) with an agent or solar installer and purchase the power as it is produced. Customers **MUST** purchase the solar system outright and own all power produced to be eligible for net metering.

## Steps to Connect a Solar Array for Net Metering

When you have found a solar contractor and decided on the system to be installed, take these steps to confirm that your system can be connected to the PMLD distribution system. If your contractor installs your system before our approval of the application, you run the risk of needing costly changes before we can allow your solar array to operate while connected to our lines.

1. Submit the following by mail to:

General Manager  
Paxton Light Department  
578 Pleasant Street  
Paxton, MA 01612

- Simplified Interconnection Application and Agreement for Net Metered Electrical Generation
  - A one-line drawing of your generation system showing it meets our system installation requirements.
  - Specifications showing the materials (panels and inverters) to be installed meeting all required codes as noted in the agreement.
  - An application fee of \$50.00
2. Approval Confirmation- You will receive notice from PMLD directly that your system layout and materials have been approved for installation. Then share this information with your contractor.
  3. Electrical & Building Permits- You (or your contractor/installer) must obtain electrical and building permits from the Town of Paxton. Then installation can begin.
  4. Electrical Inspection- After you complete the system installation, you should call the town wiring inspector for a final inspection and sign off on your Certificate for Completion, which is included with your application.
  5. System Inspection- Call (508) 756-9508 to schedule an inspection prior to turn-on. Our General Foreman will review the system and sign off on the Certificate of Completion.
  6. Your copy of the Certificate of Completion- a signed copy of your Certificate of Completion will be mailed to you.

## PMLD Checklist: Interconnection & Net Metering of Your Solar Array

### First Apply:

- ☐ Prepare an Interconnection Application/Agreement for Net Metering to include:
  - System sizing and inverter specification information (spec sheets)
  - Contact information for the installing contractor
  - One-line diagram of the installation as proposed
- ☐ Sign, date and mail the application, requested documents and application fee to:  
General Manager  
Paxton Light Department  
578 Pleasant Street  
Paxton, MA 01612
- ☐ Confirm receipt of your application by calling 508-756-9508, asking for the General Manager or General Foreman.

### Then Wait For:

- ☐ Approval to proceed- a copy of your application/agreement will be returned with the approval signature and date noted. The approval is sent to you and NOT to the contractor or installer. It is your responsibility to confirm that the system as designed is approved for interconnection before you allow the installation to proceed.
- ☐ Local permits as required- your contractor/installer will likely apply for all required local permits including the wiring/electrical permit and building permit. It is your responsibility to ensure all permits are in order.

### Install:

- ☐ Construction completed, and system is ready for inspection and operation.
- ☐ Local inspections completed and passed including wiring/electrical inspection.

### Activate:

- ☐ PMLD has been called and the inspection scheduled.
- ☐ PMLD has inspected the installation and installed a bi-directional meter (if not previously installed).
- ☐ PMLD has signed the Certificate of Completion and returned a copy to you for your records.
- ☐ System activated and generating power.

### Ongoing Responsibilities:

- ☐ Any planned changes to your system require that you notify PMLD at least 30 days prior to the work being performed. This includes any increase in the power rating.
- ☐ A change in ownership requires that you notify PMLD in advance and the new owner must sign an agreement for continuing operation of the system.

## Important Points: Customers Questions

### How Will I Be Billed?

- Just as we do now, we will continue to read your meter and you will receive electric bills on your normal billing schedule.
- You will see the normal charges for any electricity you use supplied by PMLD—for instance, at night when your solar array is not generating.
- Any electricity supplied to you by PMLD will be billed at your current designated class of service rate.
- Any excess electricity sent back through PMLD from your system will be credited at the Wholesale Energy Rate.
- There will be a \$2.00 monthly customer charge for qualifying Facilities.
- Energy credits received are for the electric portion of your bill and cannot be used to offset the water or trash charges on your bill. You are still responsible for paying that portion of your bill each month.

### Am I Eligible for Net Metering

- Any PMLD customer in good standing who generates at least some of their electricity is potentially eligible for net metering.
- *Solar energy* must power your generating system.
- The generating system has a capacity of not more than 10 kW (DC) and does not exceed more than 80% of your average load.

#### What PMLD Allows

PMLD customers wishing to install solar must:

1. Own the home where the panels will be installed.
2. Own the panels.
3. Own all power produced.

#### What PMLD Does Not Allow

Customers cannot enter into panel leasing arrangements or third-party power purchase agreements within the PMLD service territory.

No third-party may retain ownership of the panels on your home or any of the power generated.

## Important Points: Customers Questions Continued

### **What are the Technical Requirements?**

- A net metering system used by a home owner must include, at the customers own expense, all equipment necessary to meet applicable safety, power quality, and interconnection requirements established by the National Electrical Code (NEC), National Electrical Safety Code (NESC), the Institute of Electrical and Electronics Engineer (IEEE), and the Underwriters Laboratories (UL), and any applicable state and local agencies.
- These interconnection standards are listed in the Residential Distribution Generation Policy.
- PMLD must test the disconnect and approve your system before you connect to the electric grid.

### **Does PMLD recommend installers?**

- No, PMLD does not recommend any installers.
- Make sure that whoever you hire is a licensed contractor/electrician.
- Make sure that beginning any work, they pull all the required building and electrical permits needed by the Town of Paxton.
- Make sure they will be providing you with a turnkey service and installation.

# **PAXTON MUNICIPAL LIGHT DEPARTMENT RESIDENTIAL DISTRIBUTED GENERATION POLICY Tariff #96**

**Issued: December 8, 2015**

**Revision Date: September 19, 2018**

The objective of this policy is to promote “green” technologies in the Town of Paxton by accommodating the installation of renewable energy facilities by customers for the purpose of serving their own electrical needs, in a manner that is beneficial to both the customer and other Paxton Municipal Light Department (PMLD) ratepayers.

This policy describes the process and requirements for a Residential Customer to connect a Distributed Generation (DG) system to the PMLD electric distribution system (EDS) including equipment specifications, technical, metering and operating requirements for residential customers.

All potential DG Customers **must** have an approved Interconnection Service Agreement with PMLD prior to installation. Customers failing to follow the policy will not receive credits and may be required to disconnect the facility.

PMLD sets the maximum kW of solar energy panels connected to our facilities through net metering. Maximum aggregate net meter installations connected to PMLD’s electric distribution system will be 150 kW (DC). The purpose of this limit is to avoid uncontrollable growth, which can jeopardize the integrity of the local electrical system as well as to ensure fair treatment of all PMLD customers, who could be burdened by cost shifting due to these solar installations. The Electric Light Manager has the discretion to increase or decrease this limit as PMLD’s Electric Peak changes.

**Important:** Third-party Purchase Power Agreements (PPA’s) with an agent or solar installer are not permitted.

## **1.1 APPLICABILITY OF POLICY**

1. This policy is intended for use at residential properties only. Specifically, owner-occupied, single family/duplex homes. The facility must be located on property owned or occupied by the customer-generator.
2. The facility must operate in parallel with PMLD’s existing distribution facilities.
3. Customer generation types include photovoltaic, wind turbine units, and micro turbine (heat recovery) installations. Traditional gasoline or natural gas fired portable or permanently mounted emergency generators are explicitly excluded from this policy.
4. Maximum peak output of the generating installations covered by this policy is 10 kW (DC).
5. Customer-generators served under the “Residential Rate” are limited to a rated system capacity of 10 kW (DC), not to exceed 80% of the customers average load. Average load will be determined by the most recent 12 months of billing history.
6. The customer is solely responsible for securing and complying with all local permitting processes including zoning, electrical, building inspection, and any and all other special permits that may be required.



## 1.2 Definitions

AC: Alternating electrical current.

Customer: PMLD's residential retail customer.

DC: Solar panel capacity, measured in watts.

DG: Distributed Generation. A qualifying power-generating facility includes Photovoltaics, Wind, Hydroelectric, Biomass, Fuel Cells. Combined Heat and Power.

Facility: a source of electricity owned and operated by the Interconnecting Customer that is located on the customers side of the point of interconnection, and all facilities ancillary and appurtenant thereto, including interconnection equipment, which the Interconnecting Customer requests to interconnect to PMLD's EDS.

EDS: Electric Distribution System.

FERC: Federal Energy Regulatory Commission.

Good Utility Practice: Any of the practices, methods, and acts engaged in or approved by a significant portion of the electric utility industry during the relevant time period, or any of the practices, methods, and acts which, in the exercise of the reasonable judgement in light of the facts known at the time this decision was made, could have been expected to accomplish the desired result at a reasonable cost consistent with good business practices, reliability, safety and expedition. Good Utility Practice is not intended to be limited to the optimum practice, method, or act to the exclusion of all others, but rather to be acceptable practices, methods or acts generally accepted in the region.

Interconnecting Customer: Entity that owns or operates the Facility interconnecting to PMLD's EDS, with legal authority to enter into agreements regarding the construction or operation of the facility.

Inverter: converts DC electricity from the solar panels into AC electricity that is compatible with the electric grid.

ISO-New England, Inc. ("ISO-NE"): The Independent System Operator established in accordance with the NEPOOL Agreement and applicable FERC approvals, which is responsible for managing the bulk power generation and transmission systems in New England.

Kilowatt (kW): 1000 watts.

NEPOOL: New England Power Pool.

One-Line Diagram: A diagram that shows wire sizes, all devices for the system equipment ratings, and a visible, accessible and lockable disconnect switch.

Parties: The PMLD and the Interconnecting Customer.

Photovoltaic (PV): Technical term for solar electricity.

PMLD: Paxton Municipal Light Department.

PPA: Purchased Power Agreement.

System rating: the sum of all of the solar panels to be used in the system. The number of solar panels times the DC rating of solar panels. Expressed in Kilowatts (kW).

System Modifications: Modifications or additions to PMLD's EDS that are required for the benefit of the Interconnecting Customer.

## **1.3 APPLICATION**

The following documents for the interconnection process are included as attachments:

1. Simplified Process Interconnection Application and Service Agreement-Form A
2. Certificate of Completion for Simplified Process Interactions-Form B

### **Application Process**

1. Read and become familiar with the "Residential Distributed Generation Policy".
2. Sign and return two (2) copies of the "Simplified Process Interconnection Application and Service Agreement-Form A" to PMLD's General Manager, 578 Pleasant Street, Paxton, MA 01612

Include:

- a. A one-line diagram of the proposed system to the Light Department.
  - b. \$50.00 application fee.
3. PMLD will respond in writing via email or hard copy with a notice to proceed.
  4. Customer must apply for and pay for all applicable permit fees (e.g. electrical and building) from the Town of Paxton prior to the start of any work.
  5. Contact the Town of Paxton Wiring Inspector and request for approval of location for the required disconnect switch and relation of the service entrance and revenue meter.
  6. Once the work has been completed, contact the Town of Paxton Wiring Inspector and request a final inspection of the facility and sign the "Certificate of Completion-Form B."
  7. Submit the completed Certificate of Completion to PMLD's General Manager, 578 Pleasant Street, Paxton, Massachusetts 01612.
    - a. Include \$200.00 Net Meter installation fee.
    - b. PMLD will install the net meter and authorize operation of the system.

## **2.0 GENERAL PROVISION**

### **2.1 Notice Provisions**

If at any time, in the reasonable exercise of PMLD's judgement, operation of the facility adversely affects the quality of service to PMLD's customers or interferes with the safe and reliable operation

of the Distribution System, PMLD may discontinue interconnection service to the Interconnecting Customer until the condition has been corrected. Unless an emergency exists or the risk of one is imminent, PMLD 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. PMLD's judgement with regard to discontinuance of deliveries or disconnection of facilities under this paragraph shall be made in accordance with Good Utility Practice. In the case of such discontinuation, PMLD shall immediately confer with the Interconnecting Customer regarding the conditions causing such discontinuation and its recommendation concerning the timely correction thereof.

## **2.2 Access and Control**

Representatives of PMLD 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's personnel, state the object of their visit, and conduct themselves in a manner that will not interfere with the construction or operation of the Facility. PMLD will have control such that it may open or close the circuit breaker or disconnect.

## **2.3 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 PMLD 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.

## **2.4 Indemnification**

The Interconnecting Customer shall at all times indemnify, defend, and save PMLD 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 resulting from PMLD'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 PMLD.

# **3.0 PROTECTION REQUIREMENTS**

## **3.1 General Requirements**

- a. If, due to the interconnection of the Facility, when combined with the pre-existing facilities interconnected to PMLD's system, the rating of any of PMLD's equipment or the equipment of others connected to PMLD's system will be exceeded or its control function will be adversely affected, PMLD shall have the right to require the Interconnecting Customer to pay for the purchase, installation, replacement or modification of equipment to eliminate the condition. Where such action is deemed necessary by PMLD, PMLD will, where possible, permit the Interconnecting Customer to choose among two or more options for meeting PMLD's

requirements as described in this Protection Policy.

- b. The Facility shall provide a disconnect switch (30-amp, 600-volt, line side of inverter, to be used to shut down the flow of power from the system) at the interconnection point with PMLD that can be opened for isolation. The switch shall be on the outside at a location accessible to PMLD personnel at all times. PMLD shall have the right to open this disconnect switch during emergency conditions and with reasonable notice to the Interconnecting Customer at other times. PMLD shall exercise such right in accordance with Good Utility Practice. The switch shall be gang operated, have a visible break when open, be rated to interrupt the maximum generator or photovoltaic output and be capable of being locked open, tagged and grounded on the PMLD side by PMLD personnel. The switch shall be code complaint and of a type generally accepted for use in this application. The switch should be located within view of the revenue meter.

### **3.2 REQUIREMENTS FOR INVERTER-BASED INSTALLATIONS**

#### **Facilities**

- a. PMLD's distribution circuits generally operate with automatic reclosing following a trip without regard to whether the Facility is keeping the circuit energized. The Interconnecting Customer is responsible for protecting its equipment from being re-connected out of synchronism with PMLD's system by an automatic line closure operation.
- b. The following information **MUST** be submitted by the Interconnecting Customer for review and acceptance by PMLD prior to PMLD's approving the Interconnecting Customers' request for interconnection:
  - An electrical one-line diagram or sketch depicting how the inverter will be interconnected relative to the service entrance panel and the electric revenue meter. The diagram must show all devices for the system, including equipment ratings, wire sizes and a visible accessible and lockable disconnect switch ("safety switch"). The disconnect switch must be installed in a readily accessible location normally within view of the PMLD revenue meter, where utility personnel can operate the switch if required.
  - The make, model and manufacturers specification sheet for the inverter.
- c. For Facilities that utilize photovoltaic technology, it is required that the system be installed in compliance with IEEE Standard 929-2000, "IEEE Recommended Practice for Utility Interface of Photovoltaic (PV) Systems". The inverter shall meet the Underwriters Laboratories Inc. Standard UL 1741, "Static Inverters and Charge Controllers for Use in Photovoltaic Power Systems". Based on the information supplied by the Interconnecting Customer, if PMLD determines the inverter is in compliance with UL 1741 and the system size does not exceed 80% of the Interconnecting Customers average load, the Interconnecting Customer's request for interconnection will be approved.
- d. For Facilities that utilize wind technology or other direct energy sources and employ inverters for production of alternating current, the inverter shall meet the Underwriters Laboratories Inc. Standard UL 1741, "Static Inverters and Charge Controllers or Use in Photovoltaic Power Systems". Based on the information supplied by the Interconnecting Customer, if PMLD determines the inverter is in compliance with UL 1741 and all other requirements are in compliance, the Interconnecting Customer's request for interconnection will be approved.

## 4.0 METERING

### 4.1 Metering, Monitoring, and Communication

This section sets forth the rules, procedures, and requirements for metering and communication between the Facility and PMLD where the Interconnected Facility exports power or is net metered or may otherwise be subject to ISO requirements. Interconnecting Customer will be responsible for reasonable and necessary costs incurred by PMLD for the purchase, installation, operation, maintenance, testing, repair and replacement of metering and data acquisition equipment. Interconnection Customer's metering (and data acquisition, as required) equipment shall conform to rules and applicable operating requirements.

### 4.2 Metering and Related Equipment

**PMLD** shall furnish, read and maintain all revenue metering equipment.

**The Interconnecting Customer** shall furnish and maintain all meter mounting equipment such as or including:

- Meter sockets, test switches, conduits, and enclosures.
- An approved single-handle-operated manual bypass meter socket shall be provided if not presently installed.
- Provide a safety disconnect device located outside adjacent to PMLD's revenue meter that shall be accessible to PMLD personnel at all times. The disconnect device must be lockable by means of a padlock in the open position. PMLD may use this disconnect device to disconnect the customers generating facility from the power system any time it deems that the safety and stability of PMLD's system may be compromised as determined by PMLD in its sole discretion. PMLD will, when possible, notify the customer prior to disconnecting the generating facility.

Except as provided below, PMLD shall own the meter and the Interconnecting Customer shall pay to PMLD a monthly charge to cover meter maintenance, incremental reading and billing costs, the allowable return on the invoice cost of the meter and the depreciation of the meter, if any. These charges, if any, are set forth in the applicable PMLD rates, as amended from time to time.

All metering equipment installed pursuant to this Policy and associated with the Facility may be routinely tested by PMLD at the Interconnecting Customer's expense, in accordance with applicable company and/or ISO-NE criteria, rules and standards. If, at any time, any metering equipment is found to be inaccurate by a margin greater than that allowable under applicable criteria, rules and standards, PMLD shall cause such metering equipment to be made accurate or replaced. The cost to repair or replace the meter shall be borne by PMLD, if PMLD owns the meter. Meter readings for the period of inaccuracy shall be adjusted so far as the same can be reasonably ascertained; provided, however, no adjustment prior to the beginning of the preceding month shall be made except by agreement of the Parties. Each party shall comply with any reasonable request of the other concerning the sealing of meters, the presence of a representative of the other Party when the seals are broken, and the tests are made, and other matters affecting the accuracy of the measurement of electricity delivered from the Facility. If either Party believes that there has been a meter failure or stoppage, it shall immediately notify the other.

## **5.0 BILLING**

This section pertains to PMLD customers with an approved on-site generating facility of 10 kW (DC) or less.

PMLD will measure the amount of kWh's received and delivered, on a monthly basis. The customer will be billed at the rate applicable to their electric customer's class of service for all kWh's delivered from PMLD and they will be credited at the Wholesale Energy Rate for all kWh's, not used by the customer, returned to the PMLD system. These credits shall be used to offset the customers current monthly bill. Any remaining credits will be carried over to subsequent months. These credits can only be used to offset the account that the solar facility is located on and are not transferrable to any other account.

There will be a \$2.00 monthly customer charge for all qualifying Facilities.

**NOTE:** those customers with an accepted and approved interconnection policy and approved Facility authorized by PMLD prior to January 1, 2018 will be grandfathered under their previous crediting structure for 10 years, starting on January 1, 2018. At the end of the 10-year period, billing for those customers will be under the new policy adopted September 19, 2018.

Any customers that misrepresented the size of their system on their application or have installed a facility that exceeded the 80% maximum cap as outlined in their prior agreement, will be considered in breach of the agreement and not entitled to any credits for electricity fed back to the PMLD system.

## **6.0 NET METERING CAP**

PMLD, at its sole discretion, sets the cumulative maximum kW's of Generation Facilities connected to our facilities not to exceed 3% of PMLD's 2016 peak load of 5 MW. PMLD's maximum aggregate solar capacity connected to PMLD's system will be 150 kW (DC). This amount may be adjusted from time to time as PMLD's Electric Peak Load changes.

The PMLD may install and operate its own electric generation facility that uses solar, wind, fuel cell, or hydroelectric power to generate power up to any size, and is not bound by this cap.

## **7.0 DISCONNECTION**

### **7.1 Temporary Disconnection:**

The PMLD may temporarily disconnect the Facility, in its sole discretion, for the following:

- a. Emergency Conditions- Immediate temporary disconnection. In the event that the Facility damages PMLD's EDS or any of PMLD's customers equipment or wiring, the Customer shall be solely responsible for all costs associated with the repair and/or replacement of damaged portion of such system, equipment, and/or wiring; until this condition is satisfied, PMLD reserves the right to keep Facility disconnected.
- b. Routine Maintenance, Construction and Repair-temporary disconnection with appropriate notice.
- c. Forced Outages- immediate temporary disconnection.

- d. Non-Emergency Adverse Operating Effects- temporary disconnection with appropriate notice.
- e. Modification of the Facility- Immediate temporary disconnection. Reconnection only after Interconnecting Customer proves satisfactory compliance with this policy.

## **7.2 Permanent Disconnection:**

The PMLD and/or the Interconnecting Customer may permanently disconnect the facility per the following; subject to PMLD terminating the service with sufficient notice that it is doing so because the Facility:

- 1. Failed to operate for any consecutive twelve-month period
- 2. Impairs the operation of PMLD's EDS or service to other customers or materially impairs the local circuit
- 3. Has not complied with this Policy or other applicable City, State or Federal requirements and the Customer, after receiving as sixty (60) day notice, does not cure the problem at its sole expense
- 4. Any customer who has misrepresented their system on their application, interconnects without authorization to PMLD EDS or makes modifications to their system without the proper authorization will be issued a cease and desist order and will receive no credits.

## **8.0 AMENDMENTS/MODIFICATIONS**

The Terms and Conditions of the Residential Distributed Generation Policy are subject to amendment and/or modification at any time by the PMLD, in its sole discretion, for the protection of its distribution system, service territory or its customers. The Interconnecting Customer agrees to be bound by any such amendment and/or modification.

## **Paxton Municipal Light Department**

### **Terms and Conditions for Simplified Process Interconnections**

1. **Construction of the Facility:** The Interconnecting Customer may proceed to construct the Facility once the approval has been given by PMLD.
2. **Interconnection and Operation:** The Interconnecting Customer may operate Facility and interconnect with PMLD's system once the following has occurred:
  - 2.a. **Municipal Inspection:** Upon completing construction, the Interconnecting Customer will have the Facility inspected or otherwise certified by the Town of Paxton wiring inspector.
  - 2.b. **Certificate of Completion:** The Interconnecting Customer returns the Certificate of Completion appearing as Form B to the Agreement to PMLD at address noted.
  - 3.c. **PMLD Inspection:** PMLD has completed or waived the right to an inspection.
3. **Company Right of Inspection:** Within ten (10) business days after receipt of Certificate of Completion, PMLD may, upon reasonable notice and at a mutually convenient time, conduct an inspection of the Facility to ensure that all equipment has been appropriately installed and that all electrical connections have been made in accordance with the Interconnection Policy.
4. **Safe Operations and Maintenance:** The Interconnecting Customer shall be fully responsible to operate, maintain, and repair the Facility.
5. **Access:** PMLD shall have access to the disconnect switch of the Facility at all times.
6. **Disconnection:** PMLD may temporarily disconnect the Facility to facilitate planned or emergency PMLD work. PMLD may permanently disconnect the Facility as outlined in the Residential Distributed Generation Policy Section 7.2.
7. **Metering and Billing:** All facilities approved under this agreement qualify for net metering, as approved by the Department from time to time, and the following is necessary to implement net metering provisions:
  - 7.a. **Interconnecting Customer Provides Meter Socket:** The Interconnecting Customer shall furnish and install, if not already in place, the necessary meter socket, with a bypass or breaker, and wiring in accordance with accepted electrical standards.
  - 7.b. **PMLD Installs Meter:** PMLD shall furnish and install a meter capable of Bi-Directional metering within ten (10) business days after receipt of the certificate of Completion (Form B) if inspection is waived, or within 10 business days after the inspection is completed, if such meter is not already in place.
8. **Indemnification:** Interconnecting Customer shall indemnify, defend and hold PMLD, it's directors, officers, employees and agents (including, but not limited to, Affiliates and contractors and their employees), harmless from and against all liabilities, damages, losses, penalties, claims, demands, suits, and proceedings of any nature whatsoever for personal injury (including death) or



property damages to unaffiliated third parties that arise out of, or are in any manner connected with, the performance of this agreement by that party, except to the extent that such injury or damages to unaffiliated third parties may be attributable to the negligence or willful misconduct of the party seeking indemnification.

9. **Limitation of Liability:** PMLD's liability to the other party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this agreement, shall be limited to the amount of direct damage incurred. In no event shall PMLD be liable to the other party for any indirect, incidental, special, consequential, or punitive damages of any kind whatsoever.
10. **Termination:** This agreement may be terminated under the following conditions:
  - 10.a. **By Mutual Agreement:** The parties agree in writing to terminate the agreement.
  - 10.b. **By Interconnecting Customer:** The Interconnecting Customer may terminate this agreement by providing written notice to PMLD.
  - 10.c. **By PMLD:** PMLD may terminate this agreement (1) if the Facility fails to operate for any consecutive twelve (12) month period, or (2) in the event that the Facility impairs the operation of the electric distribution system or service to other customers or materially impairs the local circuit and the Interconnecting Customer does not cure the impairment.
11. **Assignment/Transfer of Ownership of the facility:** This agreement shall survive the transfer of ownership of the Facility to a new owner when the new owner agrees in writing to comply with the terms of this agreement and so notifies PMLD. The "grandfather clause" for agreements prior to January 1, 2018 does not transfer with the ownership of the Facility to a new homeowner.
12. **Interconnection Tariff:** These Terms and Conditions are pursuant to PMLD's Residential Distributed Generation Policy, and as the policy may be amended from time to time.

**\*\*\*Before beginning any work, the contractor must contact the Town Building Department and Wiring Inspector for any permits required by the Town of Paxton. \*\*\***

## Paxton Municipal Light Department

### Simplified Interconnection Application & Agreement for Systems 10 kW or Smaller

Contact Information:

Date Prepared: \_\_\_\_\_

Legal Name and address of Interconnecting Customer:

Customer Name (print): \_\_\_\_\_

Address of Facility: \_\_\_\_\_

City/Town: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone (day): \_\_\_\_\_ (Evening): \_\_\_\_\_ Cell: \_\_\_\_\_

Email Address: \_\_\_\_\_

Contractor Contact Information:

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City/Town: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone (day): \_\_\_\_\_ (Evening): \_\_\_\_\_ Cell: \_\_\_\_\_

Email Address: \_\_\_\_\_

Facility Information:

Account # on Bill: \_\_\_\_\_ Meter # on Bill: \_\_\_\_\_

Inverter Manufacturer: \_\_\_\_\_ Model #/Name: \_\_\_\_\_

Nameplate Rating: \_\_\_\_\_ (kW) \_\_\_\_\_ (kva) \_\_\_\_\_ (AC Volts) Single \_\_\_\_\_ Three-Phase \_\_\_\_\_

System Design Capacity: \_\_\_\_\_ (kW) \_\_\_\_\_ (kva) Quantity: \_\_\_\_\_

Inverter Location: \_\_\_\_\_ Disconnect Location: \_\_\_\_\_

Prime Mover: Photovoltaic \_\_\_\_\_ Micro Turbine \_\_\_\_\_ Fuel Cell \_\_\_\_\_ Turbine \_\_\_\_\_ Other \_\_\_\_\_

Energy Source: Solar \_\_\_\_\_ Wind \_\_\_\_\_ Hydro \_\_\_\_\_ Diesel \_\_\_\_\_ Natural Gas \_\_\_\_\_ Fuel Oil \_\_\_\_\_ Other \_\_\_\_\_

IEEE 1547.1 (UL 1741) Listed? Yes \_\_\_\_\_ No \_\_\_\_\_

Estimated Installation Date: \_\_\_\_\_ Estimated In-Service Date: \_\_\_\_\_

Customer Signature

By signing your name below, you certify that you have read and agree to the terms outlined in Paxton Municipal Light Departments' Residential Distributed Generation Policy and the Terms and Conditions for Simplified Process Interconnections. You also certify that the above application is complete and accurate to the best of your knowledge.

Signed (Customer) \_\_\_\_\_ Date: \_\_\_\_\_

#### TO BE COMPLETED BY THE UTILITY AFTER INSTALLATION

Application Approved: \_\_\_\_\_ Date: \_\_\_\_\_

System Inspected By: \_\_\_\_\_ Date: \_\_\_\_\_

## Certificate of Completion for Simplified Process Interconnections-Form B

### Installation Information

Customer Name (print): \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City/Town: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Telephone (Day): \_\_\_\_\_ (Evening): \_\_\_\_\_ Cell: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Installation Address (if different from above): \_\_\_\_\_

Account #: \_\_\_\_\_ Meter #: \_\_\_\_\_

### Electrician or Electrical Installation Contractor:

Electrical Contractors Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City/Town: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Business Phone #: \_\_\_\_\_ Cell #: \_\_\_\_\_

E-mail Address: \_\_\_\_\_ License #: \_\_\_\_\_

Signature: \_\_\_\_\_

\*\*\*Attach a copy of Electrical Permit\*\*\*

### Inspection:

The system has been installed and inspected in compliance with local Building/Electrical Code of

(Town/County) \_\_\_\_\_

Signed (Local Electrical Wiring Inspector) \_\_\_\_\_

Name (printed): \_\_\_\_\_ Date: \_\_\_\_\_

## Certificate of Completion for Simplified Process Interconnections-Form B

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to the Terms and Conditions, as outlined on pages 14 and 15:

Interconnecting Customer Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_ Date: \_\_\_\_\_

Approval to Interconnect Facility: (To Be Completed by The Utility)

Installation of the Facility approved contingent upon the Terms and Conditions of this Agreement, and agreement to any modifications, if required:

Are any system modifications required? Yes \_\_\_\_\_ No \_\_\_\_\_

To Be Determined: \_\_\_\_\_

Company Signature: \_\_\_\_\_ Title: \_\_\_\_\_

Print Name: \_\_\_\_\_ Date: \_\_\_\_\_

