Taunton Municipal Lighting Plant

55 Weir Street
Taunton, MA 02780
508-824-6976
www.tmlp.com

Application for Customer-Owned Generation > 60 kW up to 2000 kW

Instructions: Please fill out this application completely. The system should be designed for a power factor of 1.
See Interconnections Terms and Conditions for more information on the application process.

Please note interconnection applications for solar may be denied if the circuit is full. Arrays greater than 1MW AC will require a level 3 ISO system study (at the ISO timeline) in addition to the TMLP Interconnection study. The direct costs will be passed through to array owner. Thank you for understanding.

TMLP Customer Information (Required) Today's Date:_____

Customer of Record: _____ Customer Type: □ Owner □ Tenant

Phone: _____ Email: _____

Account Number (on bill): 5_____-1_____

Property Owner Name (if different): _____ Property Owner Phone: _____

Address of Interconnection Facility: _____ City: _____

Installing Contractor/Coordinating Company Information (Required)

Company Name: _____

Company Contact: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Email (Required): _____

Facility Information

System #1

Status: □ Proposed □ Existing □ Removal Type: □ Solar □ Battery □ Wind □ Hydro □ Other

Inverter/Battery Manufacturer: _____

Model Name and Number: _____

Quantity Used: _____ AC Nameplate kVA rating (per unit): _____

DC Nameplate rating (solar only): _____kVA Supply: □ Single Phase □ Three Phase

Total System #1 AC Design Capacity _____ kVA Total System #1 DC Design Capacity _____ kVA

UL Listed? □ Yes □ No

Total Continuous System #1 AC kVA Output Available to Backfeed onto Electric Utility System: _____ kVA
(Note: Enter 0 if for emergency off-grid backup purposes only)

Estimated Construction Start Date: _____/_____/_____ Estimated Completion Date: _____/_____/_____

Interconnection Facility Information (continued)

System #2

Status: □ Proposed □ Existing □ Removal Type: □ Solar □ Battery □ Wind □ Hydro □ Other

Inverter/Battery Manufacturer: _____

Model Name and Number: _____

Quantity Used: _____ AC Nameplate kVA rating (per unit): _____

DC Nameplate rating (solar only): _____kVA Supply: □ Single Phase □ Three Phase

Total System #2 AC Design Capacity _____ kVA Total System #2 DC Design Capacity _____ kVA

UL Listed? □ Yes □ No

Total Continuous System #2 AC kVA Output Available to Backfeed onto Electric Utility System: _____ kVA
(Note: Enter 0 if for emergency off-grid backup purposes only)

Estimated Construction Start Date: _____/_____/_____ Estimated Completion Date: _____/_____/_____

System #3

Status: □ Proposed □ Existing □ Removal Type: □ Solar □ Battery □ Wind □ Hydro □ Other

Inverter/Battery Manufacturer: _____

Model Name and Number: _____

Quantity Used: _____ AC Nameplate kVA rating (per unit): _____

DC Nameplate rating (solar only): _____kVA Supply: □ Single Phase □ Three Phase

Total System #3 AC Design Capacity _____ kVA Total System #3 DC Design Capacity _____ kVA

UL Listed? □ Yes □ No

Total Continuous System #3 AC kVA Output Available to Backfeed onto Electric Utility System: _____ kVA
(Note: Enter 0 if for emergency off-grid backup purposes only)

Estimated Construction Start Date: _____/_____/_____ Estimated Completion Date: _____/_____/_____

Submit/Attach a one-line electrical diagram (must be designed and state "AC Disconnect will be no further than **4 feet from utility meter**" for proposed electrical system, including metering points in relation to TMLP's electric system and the customer's generating system location.

Total number of generating units in net-metering facility: _____

Net-metering facility power factor rating: _____

Maximum adjustable leading power factor: _____

Maximum adjustable lagging power factor: _____

Interconnection Equipment Technical Detail

Will a transformer be used between the generator and the point of interconnection? □ Yes □ No

If a transformer will be used, then Customer shall provide the necessary equipment with TMLP approval.

Transformer Data (if applicable, for Customer-Owned Transformer):

Nameplate rating: _____KVA Single_____ or Three_____Phase

Transformer impedance: _____(%) on a_____kVA Base

If Three Phase:

Transformer Primary: _____Volts _____Delta _____Wye _____Wye Grounded

Other: _____

Transformer Secondary: _____Volts _____Delta _____Wye _____Wye Grounded

Other: _____

Transformer Fuse Data (if applicable, for Customer-Owned Fuse):

Attach copy of fuse manufacture's Minimum Melt and Total Clearing-Current Curves

Manufacturer:_____ Type:_____ Rating:_____ Amps:

Interconnection Circuit Breaker (if applicable):

Manufacturer:_____ Type:_____ Load Rating:_____ **(Amps)** Interrupting Rating:_____ **(Amps)**

Trip Speed:_____(Cycles)

Interconnection Protective Relays (if applicable):

(If microprocessor-controlled)

List of Functions and Adjustable Setpoints for the protective equipment or software:

	Setpoint Function	Minimum	Maximum
1.			
2.			
3.			
4.			
5.			
6.			

Current Transformer Data (if applicable)

(Enclose copy of Manufacturer's Excitation & Ratio Correction Curves)

Manufacturer:_____ Type:_____Style/Catalog No.:_____

Manufacturer:_____ Type:_____Style/Catalog No.:_____

Potential Transformer Data (if applicable)

Manufacturer:_____ Type:_____Style/Catalog No.:_____

Manufacturer:_____ Type:_____Style/Catalog No.:_____

General Technical Detail

Enclose a copy of site electrical One-Line Diagram showing the configuration of all generating facility equipment, current and potential circuits, and protection and control schemes with a Massachusetts registered professional engineer (PE) stamp.

Enclose a copy of any applicable site documentation that indicates the precise physical location of the Facility (e.g., USGS topographic map or other diagram or documentation).

☐ Proposed location of protective interface equipment on property: Must be on one-line diagram

☐ Enclose copy of any applicable site documentation that describes and details the operation of the protection and control schemes.

☐ Enclose copies of applicable schematic drawings for all protection and control circuits, relay current circuits, relay potential circuits, and alarm/monitoring circuits (if applicable).

Please enclose any other information pertinent to this installation.

Please make check payable to TMLP, reference customer account number and mail to:
TMLP
PO Box 870
Taunton, MA 02780
ATTN: Sustainability and Commercial Development Department

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 TMLP's Terms and Conditions for Residential and Commercial Interconnection:

Customer Signature: _____ Date: _____

*Please attach manufacturer's document showing UL1741 listing to this document and send to above address, along with an electrical schematic/one-line diagram showing facility interconnection, main utility metering and any premises sub-metering.

Approval to Install Facility (for TMLP use only)

Installation of the Facility is approved contingent upon the terms and conditions of this Agreement and agreement to any system modifications, if required (Are system modifications required? □ Yes □ No □ To Be Determined).

TMLP Application Fee $500 Date Received: _____

TMLP $3 per kW Nameplate DC Capacity Fee: _____ Date Received: _____

1 MW + ISO-NE Study Required: □ Yes □ No Date Submitted to ISO-NE: _____

APPROVAL: Sustainability Department Sign-off:_____ Date: _____

APPROVAL: Transmission and Distribution Department Manager:_____ Date: _____

APPROVAL: General Manager:_____ Date: _____

FINAL INSPECTION

APPROVAL: Meter Dept. Manager:_____ Date: _____

TMLP ID: _____ Circuit: _____ Date: _____