

Interconnection and Service Agreement Application for Behind-the-Meter Installations

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

Belmont Light Customer Information

Today's Date: _____

Customer Name: _____ Account Number (on bill): _____

Address of Interconnection Facility: _____

Phone: _____ Email: _____

Installing Contractor/Coordinating Company Information

Company Name: _____

Company Contact: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Email: _____

Interconnection Facility Information

System #1

Status: Proposed Existing Removal Type: Solar Battery Vehicle to Grid/Home Other

Production Meter Make/Model: _____

Inverter/Battery/Charger Manufacturer: _____

Model Name and Number: _____

Quantity Used: _____ Per Unit Inverter AC kVA rating (or EVSE discharge AC kW): _____

DC-STC rating (solar only): _____ (kVA) Supply: Single Phase Three Phase

UL Listed? Yes No *Please see below Total System #1 AC Design Capacity _____ kVA

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 or vehicle to home)

Estimated Construction Start Date: ____/____/____ Estimated Completion Date: ____/____/____

Approval to Install Facility (for Belmont Light 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).

Belmont Light Signature: _____ Title: _____ Date: _____



40 Prince Street
 Belmont, MA 02478-1927
 (617) 993-2800
 interconnections@belmontlight.com
 www.belmontlight.com

Interconnection Facility Information (continued)

System #2

Status: Proposed Existing Removal **Type:** Solar Battery Vehicle to Grid/Home Other

Production Meter Make/Model: _____

Inverter/Battery/Charger Manufacturer: _____

Model Name and Number: _____

Quantity Used: _____ **Per Unit Inverter AC kVA rating (or EVSE discharge AC kW):** _____

DC-STC rating (solar only): _____ **(kVA)** **Supply:** Single Phase Three Phase

UL Listed? Yes No *Please see below **Total System #2 AC Design Capacity** _____ **kVA**

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 or vehicle to home)

Estimated Construction Start Date: ____/____/____ **Estimated Completion Date:** ____/____/____

System #3

Status: Proposed Existing Removal **Type:** Solar Battery Vehicle to Grid/Home Other

Production Meter Make/Model: _____

Inverter/Battery/Charger Manufacturer: _____

Model Name and Number: _____

Quantity Used: _____ **Per Unit Inverter AC kVA rating (or EVSE discharge AC kW):** _____

DC-STC rating (solar only): _____ **(kVA)** **Supply:** Single Phase Three Phase

UL Listed? Yes No *Please see below **Total System #3 AC Design Capacity** _____ **kVA**

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 or vehicle to home)

Estimated Construction Start Date: ____/____/____ **Estimated Completion Date:** ____/____/____

Combined System Continuous kVA Backfeed

Please consider how you will use your new interconnection facility and/or pair with existing facilities (e.g. as a standalone power source, for time-of-use purposes, etc.)

What is the maximum continuous kVA backfeed possible onto the Belmont Light grid?

Max Continuous kVA Backfeed - All Systems _____ kVA
--

System's Power Factor _____

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 Belmont Light Terms and Conditions for Residential and Commercial Interconnection:

Interconnecting 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.**

Belmont Light Terms and Conditions for Residential & Commercial Interconnections

1. **Construction of the Facility:** The application approval process begins once all required documents (see 2.2) and the Application Fee are received by Belmont Light staff (see 2.1.1). The Interconnecting Customer has Belmont Light authorization to construct the facility once the form on Part 1 of this document has been processed, approved, and signed by Belmont Light. Other permits may be required by Belmont's Office of Community Development.
2. **Interconnection and Operation Process:** The interconnecting Customer may operate the facility and interconnect with Belmont Light's system once the following has occurred:
 - 2.1. **Terms and Conditions:** Customer submits signed copies of Pages 1-3 of this form to Belmont Light, along with the additional documents described below, at address or by email as noted.
 - 2.1.1. **Application/Processing Fee:** The Customer shall mail or hand-deliver a non-refundable check in the amount of \$100 payable to Belmont Light. The service address and the word "interconnection" should be listed on the Memo line of the check.
 - 2.2. **Inverter Documentation:** Customer submits system one-line diagram and data sheets indicating IEEE 1547 / UL1741 listing. Documentation for inverters, panels, batteries, or other applicable equipment must be submitted.
 - 2.3. **Accurate Customer Account Information.** The account and meter information requested on Page 1 of this form must be accurately completed in order for Belmont Light to process the application. If incorrect account or meter numbers are submitted, Belmont Light will request an updated, corrected application form from the Interconnecting Customer.
 - 2.4. **Municipal Inspection:** The Interconnecting Customer will have the facility inspected or otherwise certified by the local electrical wiring inspector with jurisdiction prior to energization.
 - 2.5. **Certificate of Completion:** The Interconnecting Customer returns Part 2- Certificate of Completion (Page 3 of this document) to Belmont Light by mail or email. Both the Belmont Light copy as well as the Customer Copy of the Certificate of Completion shall be filled out and signed. This document will be used as the proof of inspection and grant of permission for the immediate operation of the system.
 - 2.6. **Company has completed or waived the right to inspection:** If witness test is deemed waived, customer submits photographs of installed distributed generation system and external AC disconnect switch.
 - 2.7. **Belmont Light has issued interconnection approval.** If requested, Belmont Light will provide a letter to the Customer documenting approval.
3. **Belmont Light Right to Inspection:** Within ten (10) business days after receipt of the Certificate of Completion, Belmont Light 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. Belmont Light has the right to disconnect the Facility in the event of improper installation or failure to return Certificate of Completion. If Belmont Light does not inspect in 10 days or by mutual agreement of the parties, the witness test is deemed waived.
4. **Safe Operations and Maintenance:** The interconnecting Customer shall be fully responsible to operate, maintain, and repair the facility.
5. **Access:** Belmont Light shall have access to the disconnect switch (if required) of the facility at all times.
6. **Disconnection:** Belmont Light may temporarily disconnect the facility to undertake planned or emergency work.
7. **Requirements for Inverter-Based Installations:** Belmont Light's distribution circuits generally operate with automatic re-closers, which activate following a trip without regard to whether the Facility is keeping the circuit energized. The Interconnecting Customer is responsible for protecting their equipment from being re-connected out of synch with Belmont Light's system.
 - 7.1. **For Facilities that utilize photovoltaic (PV) technology:** It is required that the system be installed in compliance with IEEE Standard 929-2000, "IEEE Recommended Practice for Utility Interface of (PV) Systems" or the applicable updated standard. The inverter shall meet the Underwriters Laboratories Inc. Standard UL 1741, "Static Inverters and Charge Controllers for Use in PV Power Systems" or the applicable updated standard.
 - 7.2. **For Facilities that utilize wind technology or other direct current energy sources and employ inverters for production of alternating current:** The inverter shall meet the Underwriters Laboratories Inc. Standard UL 1741, "Standard for Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources", or the applicable updated standard.
 - 7.3. **As specified in Section 2:** the following information must be submitted by the Interconnecting Customer for review and acceptance by Belmont Light prior to Belmont Light approving the Interconnecting Customer's request for interconnection: The make, model and manufacturer's specification sheet for the inverter and solar panels; An electrical wiring diagram of the Facility, including interconnection and metering.
8. **Protection Requirements:** If, due to the interconnection of the Facility, when combined with preexisting facilities interconnected to Belmont Light's system, the rating of any of Belmont Light's equipment or the equipment of others connected to Belmont Light's system will be exceeded or its control function will be adversely affected, Belmont Light shall have the right to require the Interconnecting Customer to pay for the purchase, installation, replacement, or modification of equipment to eliminate the condition, including costs associated with system impact analysis.
9. **Indemnification:** The Town of Belmont, Belmont Light, and all of their respective agents and employees shall be afforded the maximum exemption of limitations of liability available under applicable laws and regulations arising on account of their actions or omissions relating directly or indirectly any provision of electrical service. Without limiting the generality of the foregoing, and except to the extent otherwise expressly provided in M.G.L. Chapter 258:

Neither the Town of Belmont, nor Belmont Light, nor any of their respective agents or employees shall be liable to any person or agent: 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 of willful misconduct of the party seeking indemnification.

- 10. **Limitation of Liability:** Each party’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 omissions in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either party be liable to the other party for any indirect, incidental, special, consequential, or punitive damages of any kind whatsoever.
- 11. **Metering and Billing:** All Facilities approved under this Agreement qualify for Distributed Generation, as approved by Belmont Light from time to time, and must comply with Belmont Light’s Policy on Emission Free Renewable Energy Facilities.
- 12. **Termination:** This Agreement may be terminated under the following conditions:
 - 12.1. **By Mutual Agreement.** The Parties agree in writing to terminate the Agreement
 - 12.2. **By Interconnecting Customer:** The Interconnecting Customer may terminate this Agreement by providing written notice to Belmont Light.
 - 12.3. **By Belmont Light:** Belmont Light may terminate this Agreement if 1): the facility fails to operate for any consecutive 12-month period, or 2): the facility impairs the operation of the electric distribution system or service to other customers or 3): the facility impairs the local circuit and the interconnecting customer does not cure the impairment promptly
- 13. **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 Belmont Light.
- 14. **Interconnection Tariff:** These Terms and Conditions are pursuant to Belmont Light’s Tariff for Interconnecting Customers with Emission-Free Renewable Generating Facilities, as approved by the Department of Public Utilities and as the same may be amended from time to time. All defined terms set forth in these Terms and Conditions are as defined in Belmont Light’s Policy on Emission-Free Renewable Energy Facilities.

Customer Signature

I hereby certify that all of the information provided in this application is true to the best of my knowledge and I agree adhere to Belmont Light’s Terms and Conditions for Residential and Commercial Interconnections:

Interconnecting Customer Signature: _____

Interconnecting Customer Name (Printed): _____

Date: _____

As a condition of interconnection you are required to send (email preferred) a signed copy of this form to:

interconnections@BelmontLight.com

OR

Attn: Interconnections
Belmont Light
40 Prince St
Belmont, MA 02478-1927



**Part 2. Certificate of Completion
(Belmont Light Copy)**

Installation Information

Interconnecting Customer (Print): _____

Mailing Address: _____

Location of Facility (if different from above): _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Facsimile Number: _____ E-Mail Address: _____

Account # (required, on bill): _____ Meter # (required, on bill): _____

Electrician or Electrical Installation Contractor:

Business Name: _____ Contact Name (Print) _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Facsimile Number: _____ E-Mail Address: _____

License number: _____

Belmont Light Date of Installation Approval: _____ Signature _____

Inspection:

The system has been installed and inspected in compliance with the local Building/Electrical Code of
_____ (City/County)

Signed (Local Electrical Wiring Inspector): _____

Name (printed): _____

Date: _____

As a condition of interconnection you are required to send by email (preferred) or USPS mail or a copy of this form along with a copy of the signed electrical permit to:

Belmont Light

Interconnections@belmontlight.com

Or

Attn: Interconnections
40 Prince St.
Belmont, MA 02478

Received by Belmont Light: _____
Date & Initial



**Part 2. Certificate of Completion
(Customer Copy)**

Installation Information

Interconnecting Customer (Print): _____

Mailing Address: _____

Location of Facility (if different from above): _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Facsimile Number: _____ E-Mail Address: _____

Account # (required, on bill): _____ Meter # (required, on bill): _____

Electrician or Electrical Installation Contractor:

Business Name: _____ Contact Name (Print) _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone (Daytime): _____ (Evening): _____

Facsimile Number: _____ E-Mail Address: _____

License number: _____

Belmont Light Date of Installation Approval: _____ Signature _____

Inspection:

The system has been installed and inspected in compliance with the local Building/Electrical Code of
_____ (City/County)

Signed (Local Electrical Wiring Inspector): _____

Name (printed): _____

Date: _____

As a condition of interconnection you are required to send by email or USPS a copy of this form along with a copy of the signed electrical permit to:

Belmont Light
Interconnections@belmontlight.com

Or

Attn: Interconnections
40 Prince St.
Belmont, MA 02478

Received by Belmont Light: _____
Date & Initial



Customer Application Checklist

(For Customer use only. Please do not submit this page to Belmont Light.)

- Application Part 1 (Pages 1-3 of Interconnection and Service Agreement Application for Behind-the-Meter Installations) submitted to Interconnections@belmontlight.com or to Belmont Light's office, along with:
 - Inverter datasheet showing UL listing
 - Panel and/or other applicable equipment (e.g. battery storage, V2X chargers, etc.) datasheet showing UL listing
 - One-line diagram showing facility interconnection, main utility metering and any premises sub-metering
 - Accurate customer account and meter number information
 - Customer signature
 - \$100 application fee mailed or hand-delivered to Belmont Light
- Application Part 1 approved and signed by Belmont Light (typically within 10 business days of when application fee and all required documents are received by Belmont Light)
- Determine whether permits are required by other Town of Belmont offices/departments
- Upon completion of facility construction, conduct wire inspection. Appointments can be scheduled by calling Belmont's Office of Community Development – Electrical Division at 617-993-2661
- Upon completion of the wire inspection, submit a copy of Application Part 2. Certificate of Completion- Belmont Light Copy (Page 4 of Interconnection and Service Agreement Application for Behind-the-Meter Installations) signed and dated by the local wire inspector to Belmont Light via email or hard copy. The Customer should retain the customer copy of the Certificate of Completion
- Receive acknowledgement from Belmont Light of Certificate of Completion receipt and, if applicable, a letter from Belmont Light documenting permission to operate