

Commercial Net Metering Program Application

For facilities greater than 100 kW and up to 1,000 kW

Solar Installations

Class 2



Section 1.0 - Applicant Information

(To be filled out with information regarding the interconnecting customer)

Application Type

| | | |
|---------------------------|--|----------------|
| Applicant | | |
| Contact Person | | |
| Applicant Phone Number | | Email Address: |
| Applicant Mailing Address | | |

| | | |
|-----------------------------|--|--|
| Address of Generator | | |
| Generator Location | | |
| Property Identification No. | | Property owned by the applicant (Y/N)? |

Section 1.1 - Technical Designer Information

(To be filled out with information regarding the company/person responsible for the technical design of the installation)

| | |
|--------------------------|--|
| Technical Design Company | |
| Company Mail Address | |
| Contact Person | |
| Contact Phone Number | |
| Contact Email Address | |

Section 1.2 - Electrical Contractor Information

(To be filled out with information regarding the company who will obtain the electrical wiring permit and the site contact person responsible for the electrical installation).

| | |
|--------------------------------|--|
| Electrical Contracting Company | |
| Company Phone Number | |
| Certificate Number | |
| Site Contact | |
| Contact Phone Number | |
| Contact Email Address | |
| Wiring Permit Number | |

Section 2.0 - NS Power Account and Service Information

| | | | | |
|--------------------|-----------------|---------------|--------|-------------|
| Service Details | Account Number: | Meter Number: | | |
| Annual Consumption | kWh: | Rate Code: | | |
| Service Type | Amps: | Volts: | Phase: | Bus Rating: |

- For new construction or for properties with limited historical electrical consumption, please complete Appendix A - 1.0
- If you intend to supply generation to more than one account, please complete Appendix A - 2.0

Section 3.0 - Proposed Interconnection Details

Direct Interconnection

New Service Required

| | | | | |
|--------------------------|-------------------------|-------------|----------|------------------|
| Generation Capacity (kW) | AC: | DC: | Voltage: | Phase: |
| | Est. Annual Generation: | | | Capacity Factor: |
| | Capacity De-rated: | Limit (kW): | Method: | |

| | | |
|-----------------|------------------|-------------------------|
| Battery Storage | AC/DC Coupled: | Storage Capacity (kWh): |
| | Power (kW-Max.): | Power (kW-Cont.): |
| | Manufacturer: | Model Number: |

Section 4.0 - Solar Equipment Information

| | | |
|--|--------------------------------------|-------------------|
| Module Information If multiple module types and sizes are utilized, please list individually and include within your submission | Manufacturer: | Model Number: |
| | Nameplate Rating (kW): | No. of units: |
| | DC Output Voltage (each): | Rated Efficiency: |
| | Max DC String Voltage (at inverter): | |
| | Product Certification Information: | |

| | | |
|--|------------------------------------|-----------------------|
| Inverter Information If multiple inverter types and sizes are utilized, please list individually and include within your submission | Manufacturer: | Model Number: |
| | Nameplate Rating (kW/kVA): | No. of units: |
| | Max Cont. Output Rating: | Max DC Input Voltage: |
| | AC Output Voltage: | Rated Power Factor: |
| | Frequency: | Phase: |
| | Product Certification Information: | |

Manufacturer specification sheets and certification compliance reports shall be provided with all for all rapid shutdown equipment in addition to the ICR. Equipment that does not have a recognized factory certification marking shall be subject to Field Evaluation under the SPE-1000 Model Code.

Section 5.0 - Protective Equipment

(Information below to be submitted for all projects)

| | |
|---|--|
| 5.0 (a) Provide manufacturers information for the protection package or devices | Provide manufacturers documentation for protective functions: <ul style="list-style-type: none"> • Under/Over Voltage • Under/Over Frequency • Anti-Islanding • Over-current |
| 5.0 (b) Range of available settings for each protective function | Provide list of protection functions with available ranges of protection setting for tripping and shutdown, along with time delays. |
| 5.0 (c) Proposed settings (Set point and times) | Provide list of protection functions with settings for tripping or shutdown, along with time delays. Example: High Voltage Trip 127V, Time Delay 0.1 Sec |

Section 6.0 - Required Documentation

(Information below to be submitted for all projects)

| | |
|---|--|
| 6.0 (a) Electrical One-Line Diagram | A single-line diagram showing the electrical relationship and descriptions of the significant electrical components such as the generator, inverters, cables and wiring, switches, meters, transformers, circuit breakers, with operation voltages and ratings |
| 6.0 (b) Manufacturers Information and Approvals | Provide manufacturer information sheets and certification compliance reports for equipment such as, inverters, generators, solar modules, rapid shutdown devices, combiner boxes, DC disconnect switches, and DC optimizers. |
| 6.0 (c) Equipment Labelling | Provide a detailed list of all permanently installed labels indicating, label designation, label dimensions, label background color, label letter color, label letter height, and label verbiage. |
| 6.0 (d) Site Plan | Provide a site plan showing the physical arrangement of the major equipment, including generating equipment, transformers, switches, control panels, the customer's existing metered service and the interconnection with NSPI's distribution system, Include the civic address, references, etc. Provide Property Identification Number (PID) |
| 6.0 (e) Protective Device Data | For all protective devices used to protect and control the interconnection, please provide proposed protective device settings, circuit breaker and fuse data and coordination curves, and a description of how the protection scheme is intended to function. |
| 6.0 (f) Point of contact | If the interconnection and start-up process is to be coordinated through a party or individual other than the customer, provide the name, company, address, and phone number of that individual or party with whom the utility is to coordinate the interconnection |

Note: In addition to making application to participate in the Commercial Net Metering Program, an Interconnection Request must also be made for all Class 2 facilities through the [Distribution Generation Interconnection Procedures](#) (DGIP).

I hereby certify that I have reviewed the Commercial Net Metering Program Terms and Conditions and Participant Agreement located at www.nspower.ca/netmetering and to the best of my knowledge, all the information provided in this application is true and correct.

Signature:

Print:

Date:

Send completed form to:
netmetering@nspower.ca

Nova Scotia Power
P.O. Box 910
Halifax, NS B3J 2W5
Attn: Net Metering Team

Appendix A - Supplementary Information

1.0 - New Construction/Limited Historical Electrical Consumption

(Please provided the below additional details for all new construction or for properties with limited or no historical electrical consumption. **Please submit all available supporting documentation such as energy models or evaluations**)

| | | |
|---|--|----------------|
| Estimated Annual Electrical Consumption (kWh) | | |
| Property Type (e.g. Residential/Commercial) | | |
| Property Use (e.g. full-time, Hours of Operation) | | |
| Square Footage (e.g. living area, used space) | | |
| Heating System (e.g. heat pump, baseboard) | | Energy Source: |
| Secondary Heating System (if applicable) | | Energy Source: |
| Hot Water Heating (e.g. tank, on-demand) | | Energy Source: |
| Other (additional information to be considered) | | |

2.0 - Dependent Accounts

(If you intend to supply generation to more than one account, please capture account details below)

Note: All dependent accounts must be within the same distribution zone, share the same NS Power account ownership, and share the same non-residential rate code (commercial only).

| Priority | Address | Account Number | Meter Number | Rate Code | Annual Electrical Consumption (kWh) |
|----------|---------|----------------|--------------|-----------|-------------------------------------|
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |

3.0 - Revision/Change Request

(If your application is for a revision or change to existing equipment, please complete the following information)

| Modules Information | | Existing | +/- | Change | Manufacturer | Model Number |
|---------------------|------------------------|----------|-----|--------|--------------|--------------|
| 1 | No. of units: | | | | | |
| | Nameplate Rating (kW): | | | | | |
| 2 | No. of units: | | | | | |
| | Nameplate Rating (kW): | | | | | |
| 3 | No. of units: | | | | | |
| | Nameplate Rating (kW): | | | | | |
| 4 | No. of units: | | | | | |
| | Nameplate Rating (kW): | | | | | |

Total No. of Units:

Total Capacity (KW): DC

| Inverter Information | | Existing | +/- | Change | Manufacturer | Model Number |
|----------------------|------------------------|----------|-----|--------|--------------|--------------|
| 1 | No. of units: | | | | | |
| | Nameplate Rating (kW): | | | | | |
| 2 | No. of units: | | | | | |
| | Nameplate Rating (kW): | | | | | |
| 3 | No. of units: | | | | | |
| | Nameplate Rating (kW): | | | | | |
| 4 | No. of units: | | | | | |
| | Nameplate Rating (kW): | | | | | |

Total No. of Units:

Total Capacity (KW): AC

Example

| | Existing | +/- | Change | Manufacturer | Model Number |
|------------------------|----------|-----|--------|--------------|--------------|
| No. of units: | 200 | + | 25 | ABC Company | M1234567 |
| Nameplate Rating (kW): | .400 | | .400 | | |

Total No. of Units: 225

Total Capacity (KW): 90