

Nova Scotia Power Inc.
Distribution Generator Interconnection Request (≥ 101 kW)
Includes all Class 2 Projects



The undersigned Interconnection Customer submits this request to interconnect its Generating Facility to the Distribution System. A valid Interconnection Request must include the below application form and a \$750 fee. If a Pre-application Assessment was completed for this Generating Facility, then the aforementioned fee is reduced to \$450.

Applicant Information

Applicant	Company Name:	Street Address:
	Contact Name:	Unit/Suite:
	Phone:	City:
	Fax:	Province:
	E-Mail:	Country:
		Postal / Zip Code:

Project Information

Project	Name:	Pre-Application Assessment Completed at this site (Y/N)?
	Owner/Developer:	Project Location/PID:
	Engineering Consultant:	Proposed In-Service Date: yy/mm/dd

This Interconnection Request is for (check one):

- ☐ A proposed new Generating Facility.
- ☐ An increase in the generating capacity or a Material Modification of an existing Generating Facility.

Summary of configuration

Configuration	Prime Mover (ie: wind, hydro, etc):
	Number and type of generators:
	Energy Storage Device (kW):
	Total project Nameplate Capacity (kW):
	Requested Operating Assumptions (if applicable):
	Program:

Maximum kilowatt electrical output of the proposed Generating Facility:

KW summer at degrees C KW winter at degrees C **OR**

KW increase in the generating capacity of an existing Generating Facility

Maximum Generating Facility Demand load of the proposed Generating Facility:

Maximum Generating Facility Demand load (kW):

This Interconnection Request is Submitted by:

I hereby certify that, to the best of my knowledge, all the information provided in this Interconnection Request And Equipment Information Form is true and correct.

 Name of Interconnection Customer (Type or Print)

 Title:

 Signature

 Date:

Contact Information - Send completed form digitally to Interconnect@nspower.ca, or in hardcopy to:

Nova Scotia Power Inc.,
 5 Long Lake Drive, Halifax, NS, B3S 1N8

Attention: Interconnection Engineer
Interconnect@nspower.ca

NS Power - Internal Use

 Received By:

 Date and Time Received:

 Signature

 Effective:

GENERATING FACILITY DATA (Additional information may be requested, as required)**UNIT RATINGS**

kVA		Degrees C		Voltage	
Power Factor				Connection (e.g. wye)	
Short Circuit Ratio				Frequency (hz)	
Stator Amps at Rated kVA				Field Volts (If applicable)	
Max MW		Degrees C		Speed (RPM) (If applicable)	

GENERATOR STEP-UP TRANSFORMER DATA

Capacity kVA	Self-cooled		kVA	Max. nameplate		kVA
Voltage ratio	Generator Side		kV	System Side		kV
Winding Connections	Low Voltage	<input type="checkbox"/>	WYE	or	<input type="checkbox"/>	DELTA
	High Voltage	<input type="checkbox"/>	WYE	or	<input type="checkbox"/>	DELTA
	Tertiary Voltage	<input type="checkbox"/>	WYE	or	<input type="checkbox"/>	DELTA
Fixed Taps Available				Proposed Tap Setting		
Positive Sequence Impedance Z1 (on self cooled rating)			%			X/R
Zero Sequence Impedance Z0 (on self cooled rating)			%			X/R

WIND GENERATORS

Number of generators to be interconnected pursuant to this Interconnection Request:

Flicker co-efficient: Single Phase ☐ Three Phase ☐

Inverter: Manufacturer: Model Number

Model name: Version:

Power Factor range:

List of adjustable set points for the protective equipment or software:

BESS - BATTERY ENERGY STORAGE SYSTEMS

Number of units to be interconnected pursuant to this Interconnection Request:

Converter Manufacturer: Model Number

Model Name: Model Version

BESS UNIT RATINGS

MWh		MW		MVAR		Voltage (kV)	
Min. Short Circuit Ratio		Short Circuit Current (kA)		Frequency (hz)			
PF: 100% rated Capacity		PF: 75% rated Capacity		PF: 50% rated Capacity			
C-Rate		Temperature Range °C		Round Trip Efficiency (%)			

BESS STEP-UP TRANSFORMER RATINGS

Capacity kVA	Self-cooled		kVA	Max. nameplate		kVA
Voltage ratio	Generator Side		kV	System Side		kV
Winding Connections	Low Voltage	<input type="checkbox"/>	WYE	or	<input type="checkbox"/>	DELTA
	High Voltage	<input type="checkbox"/>	WYE	or	<input type="checkbox"/>	DELTA
	Tertiary Voltage	<input type="checkbox"/>	WYE	or	<input type="checkbox"/>	DELTA
Fixed Taps Available				Proposed Tap Setting		
Positive Sequence Impedance Z1 (on self cooled rating)			%			X/R
Zero Sequence Impedance Z0 (on self cooled rating)			%			X/R

DOCUMENTATION REQUIRED - Two copies of each required unless submitted digitally.

Information below to be submitted for all projects. All diagrams are to be on appropriate paper size as required for ease of reading. NSPI reserves the right to refuse drawings if they are not legible.

1. Electrical One-Line Diagram showing the electrical relationship and descriptions of the significant electrical components such as the primary switchgear, secondary switchboard, protective relays, transformers, generators, circuit breakers, with operating voltages, capacities, and protective functions of the Generating Facility, the Customer's loads, metering and the interconnection with NSPI's system.
2. Project Location: Provide area maps showing major cross streets and proposed plant location, including the street address.
3. Site Plan showing the physical arrangement of the major equipment, including generators, transformers, primary switchgear / secondary switchboard, and control panels, the Customer's loads and the interconnection with NSPI's System. Include the civic address, references, etc.
4. 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.