

The undersigned Interconnection Customer submits this request to interconnect its Generating Facility with the Transmission Provider's Transmission System pursuant to a Tariff. A valid Interconnection Request must include an applicable deposit amount as Specified in the Generator Interconnection Procedures (GIP Sec. 3.1, 3.3.1)

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:	Project Location:
	Owner/Developer:	Point of Interconnection Requested:
	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.

The type of interconnection service requested (check one): (GIP 3.2)

- Energy Resource Interconnection Service
- Network Resource Interconnection Service

Maximum megawatt electrical output of the proposed new Generating Facility:

MW summer at degrees C MW winter at degrees C
 OR
 MW increase in the generating capacity of an existing Generating Facility

Evidence of Site Control as specified in the GIP (check one) (GIP 3.3.1)

- Is attached to this Interconnection Request
- Will be provided at a later date in accordance with this GIP

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 in hardcopy to:

Nova Scotia Power Inc.,
 5 Long Lake Drive, Halifax, NS
 B3S 1N8
 Attention: Interconnection Engineer

NS Power - Generator Interconnection Coordinator Use

_____	_____
Received By:	Date and Time Received:

Signature	

GENERATING FACILITY DATA

UNIT RATINGS

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

COMBINED TURBINE-GENERATOR-EXCITER INERTIA DATA

Inertia Constant	H	kW-sec/kVA	Moment-of-Inertia	WR ²	lb.-ft. ²
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REACTANCE DATA (PER UNIT-RATED KVA)

	DIRECT AXIS		QUADRATURE AXIS	
Synchronous – saturated	X _{dv}		X _{qv}	
Synchronous – unsaturated	X _{di}		X _{qi}	
Transient – saturated	X' _{dv}		X' _{qv}	
Transient – unsaturated	X' _{di}		X' _{qi}	
Subtransient – saturated	X'' _{dv}		X'' _{qv}	
Subtransient – unsaturated	X'' _{di}		X'' _{qi}	
Negative Sequence – saturated	X _{2v}			
Negative Sequence – unsaturated	X _{2i}			
Zero Sequence – saturated	X _{0v}			
Zero Sequence – unsaturated	X _{0i}			
Leakage Reactance	X _{lm}			

FIELD TIME CONSTANT DATA (SEC)

Open Circuit	T' _{do}		T' _{qo}	
Three-Phase Short Circuit Transient	T' _{d3}		T' _q	
Line to Line Short Circuit Transient	T' _{d2}			
Line to Neutral Short Circuit Transient	T' _{d1}			
Short Circuit Subtransient	T'' _d		T'' _q	
Open Circuit Subtransient	T''' _{do}		T''' _q	

ARMATURE TIME CONSTANT (SEC)

Three Phase Short Circuit	T _{a3}			
Line to Line Short Circuit	T _{a2}			
Line to Neutral Short Circuit	T _{a1}			

NOTE: If information requested above is not applicable, indicate by marking "N/A."

MW CAPABILITY AND PLANT CONFIGURATION - GENERATING FACILITY DATA

ARMATURE WINDING RESISTANCE DATA (PER UNIT)

Positive	R1			
Negative	R2			
Zero	R0			
Rotor Short Time Thermal Capacity		I ₂ ² t		
Field Current at Rated kVA, Armature Voltage and PF				AMPS
Field Current at Rated kVA and Armature Voltage, 0 PF				AMPS
Three Phase Armature Winding Capacitance				MICROFARAD
Field Winding Resistance			OHMS	C
Armature Winding Resistance (Per Phase)			OHMS	C

CURVES

Provide Saturation, Vee, Reactive Capability, Capacity Temperature Correction curves.
Designate normal and emergency Hydrogen Pressure operating range for multiple curves

GENERATOR STEP-UP TRANSFORMER DATA

RATINGS

Capacity kVA	Self-cooled	<input type="text"/>	kVA	Max. nameplate	<input type="text"/>	kVA
Voltage ratio	Generator Side	<input type="text"/>	kV	System Side	<input type="text"/>	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

IMPEDANCE

Positive	Z1	(on self-cooled rating)	<input type="text"/>	%	<input type="text"/>	X/R
Zero	Z0	(on self-cooled rating)	<input type="text"/>	%	<input type="text"/>	X/R

EXCITATION SYSTEM DATA

Identify appropriate IEEE model block diagram of excitation system and power system stabilizer (PSS) for computer representation in power system stability simulations and the corresponding excitation system and PSS constants for use in the model.

GOVERNOR SYSTEM DATA

Identify appropriate IEEE model block diagram of governor system for computer representation in power system stability simulations and the corresponding governor system constants for use in the model.

WIND GENERATORS

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

Elevation: Single Phase Three Phase

Inverter: Manufacturer: Model Number
Model name: Version:

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

Note: A completed PTI - PSS/E data sheet for the WEC must be supplied with the Interconnection Request. If other data sheets are more appropriate to the proposed device then they shall be provided and discussed at Scoping Meeting.

INDUCTION GENERATORS

Field Volts:	<input type="text"/>
Field Amperes:	<input type="text"/>
Motoring Power (kW):	<input type="text"/>
Neutral Grounding Resistor (If Applicable) :	<input type="text"/>
I_2^2t or K (Heating Time Constant):	<input type="text"/>
Rotor Resistance:	<input type="text"/>
Stator Resistance:	<input type="text"/>
Stator Reactance:	<input type="text"/>
Rotor Reactance:	<input type="text"/>
Magnetizing Reactance:	<input type="text"/>
Short Circuit Reactance:	<input type="text"/>
Exciting Current:	<input type="text"/>
Temperature Rise:	<input type="text"/>
Frame Size:	<input type="text"/>
Design Letter:	<input type="text"/>
Reactive Power Required In Vars (No Load) :	<input type="text"/>
Reactive Power Required In Vars (Full Load) :	<input type="text"/>
Total Rotating Inertia, H:	<input type="text"/>