Statement to BC Hydro Regarding Primary Voltage Service Entrance Equipment

BC hydro

The Customer, or representative, provides this Statement to BC Hydro knowing that BC Hydro intends to rely upon it.

BC Hydro may refuse to supply Electricity to the Customer or suspend or discontinue the supply if, in BC Hydro's judgment, the Equipment is not compatible with or suitable for the BC Hydro electrical system.

The judgment by BC Hydro of the Equipment shall not be construed by the Customer or others as an endorsement of the design or as a warranty by BC Hydro of the Equipment for the purpose of the Customer or others than BC Hydro.

Project	**Location**	**Owner/Developer**

Service: U/G ☐ O/H ☐	**At** kV	**Expected Service Date:**

Type of Service Equipment: O/H Structure ☐ Unit Sub. ☐ Outdoor ☐ Indoor ☐ Vault ☐

Required Drawings: One-Line Drawing Number _____ Site Plan Drawing Number _____

Equipment Layout Drawing Number _____

Transformers:

Bank kV•A	H.V. Winding				L.V. Winding				High Voltage Taps				On-load Tap Changer ± ____ %	Impedance % ____ on bank kV•A base (ONAN)
	Volts	Δ	Y	Y Grounded	Volts	Δ	Y	Y Grounded	Above Rated Volt. No.	Above Rated Volt. %	Below Rated Volt. No.	Below Rated Volt. %		

Service Entrance: (Complete I or II)

(I) Circuit Breaker:

Voltage Rating kV	Current Rating Amps	Interrupting Rating KA SYM RMS	Clearing Time Cycles	Trip Coil - Current Trip Amps (ac) - or Shunt Trip Volts (dc)

(II) Fuse Protection: Either Load Break Switch, or Disconnect Switch Interlocked with Secondary Breaker.

(A) Switch (Specify Mounting): Pole ☐ Structure ☐ Cubicle ☐

Voltage Rating kV	Load Interrupting Rating Amps	At % P.F.	Momentary Rating Amps	At % P.F.	Manufacturer (if known)	CSA Approval Yes ☐ No. ☐

(B) Fusing

Manufacturer	Manufacturer Type Designation	Rated Continuous Current	Rated Maximum Voltage	Fuse Characteristics

Interconnection Protection:

Protection	Manufacturer	Type/Style	Timed Element Setting Range	Inst. Element Setting Range
Ground Overcurrent				
Phase Overcurrent				
☐ Over ☐ Under Voltage				
☐ Over ☐ Under Frequency				
Synchronizing Check				
Reverse Power				
Differential				
Under Frequency Load Shedding				

Are C.T.'s adequate to operate relays and current trip coils where applicable for all current magnitude from minimum trip to maximum fault duty?

☐ Yes ☐ No based on maximum fault duty of _____ MV•A

Metering:

Pole Metering.	Yes ☐	No ☐
Vault or Indoor Unit Sub.	Yes ☐	No ☐
Outdoor or Unit Sub	Yes ☐	No ☐

Estimated Maximum Demand	
Initial	Future
_____ kW	_____ kW

Metered Voltage
Rate Schedule

Customer Generation:

☐ No Customer generation.

☐ Customer generation not parallel to BC Hydro supply, transfer switch type: _____

☐ Customer generation parallel to BC Hydro supply but with no agreement to sell electricity to BC Hydro.

☐ Customer generation parallel to BC Hydro supply with intent to sell electricity to BC. Hydro.

} If selected, complete Generators Section.

Generators:

Type	Energy Source	Manufacturer	Rated Output in kW	Rated Output Voltage	Power Factor	3 PH or 1 PH	Total Harmonic Content		Reactance in % Machine kV•A Base			Machine Inertia Constant H
							Current	Voltage	Xd	Xd'	Xd''	

1. Synchronous Generator 2. Induction Generator 3. Other: _____

1. Hydraulic 2. Gas 3. Woodwaste 4. Diesel 5. Other: _____

If the above space is insufficient for all generators, please provide remaining generator information separately.

Seal of Professional Engineer

	BC Hydro
Company	
Signature	Received By
Date	Date