Statement to BC Hydro Regarding Primary Voltage Service Entrance Equipment

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 judgement, the equipment is not compatible with or suitable for the BC Hydro electrical system.

The judgement 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:		

Entrance Transformers

Bank kVA	High-voltage winding				Low-voltage winding				High-voltage taps				On-load tap changer (±__%)	Impe-dance % on bank kVA base (ONAN)
	Volts	Delta	Y	Y grounded	Volts	Delta	Y	Y grounded	Above rated volt		Below rated volt			
									No.	%	No.	%		
		☐	☐	☐		☐	☐	☐						
		☐	☐	☐		☐	☐	☐						
		☐	☐	☐		☐	☐	☐						
		☐	☐	☐		☐	☐	☐						

Service Entrance (complete I or II)

I. Circuit breaker

Rated maximum voltage: kV L-L, rms	Rated continuous current: A, rms	Rated short-circuit current: kA SYM rms	Rated interrupting time: cycles	Trip coil: Current trip A (AC) or shunt trip V (DC)

II. Fuse protection (fuses preceded by a loadbreak switch)

(A) Switch (specify mounting): Pole ◉ Structure ◯ Cubicle ◯

Rated maximum voltage: kV L-L, rms	Rated load-interrupting current: A, rms	At: % PF	Rated short-time withstand current magnitude: A	Rated short-time withstand current duration: seconds	Manufacturer:	Approved certification mark per TSBC bulletin B-E3 071019 3: Yes ◯ No ◯

(B) Fusing

Manufacturer:	Manufacturer type designation:	Rated continuous current: A, rms	Rated maximum voltage: kV L-L, rms	Fuse characteristics:

Interconnection Protection

Protection	Manufacturer	Type or style
☐ Ground overcurrent		
☐ Phase overcurrent		
☐ Negative sequence overcurrent		
☐ Over ☐ Under voltage		
☐ Over ☐ Under frequency		
☐ Synchronizing check		
☐ Reverse power		
☐ Differential		
☐ Under frequency load shedding		

Are CTs adequate to operate relays and current trip coils where applicable for all current magnitudes from minimum trip to maximum fault duty?

Yes ◯ No ◯ based on maximum fault duty of _____ MVA

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:_____

(approved certification mark? Yes ◯ No ◯)

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

This would either be a load displacement proposal (https://app.bchydro.com/content/dam/BCHydro/customer-portal/documents/accounts-billing/electrical-connections/load-displacement-form.pdf) or a closed transition transfer proposal (https://app.bchydro.com/content/dam/BCHydro/customer-portal/documents/distribution/dgi/DGI-CTT-Application-Form.pdf). Both require separate applications.

◯ Customer generation parallel to BC Hydro supply with intent to sell electricity to BC Hydro

A formal distribution generation interconnection application (https://app.bchydro.com/accounts-billing/electrical-connections/distribution-generator-interconnections.html?WT.ac=ec_ec_dgi) is required.

Professional engineer seal Permit to practice number	Professional engineer seal Permit to practice number	Professional engineer seal Permit to practice number

Company	BC Hydro
Signature	Received by
Date	Date