

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 <input type="checkbox"/>	O/H <input type="checkbox"/>	At	kV	Expected service date:
Type of service equipment:	O/H structure <input type="checkbox"/>	Unit sub. <input type="checkbox"/>	Outdoor <input type="checkbox"/>	Indoor <input type="checkbox"/>	Vault <input type="checkbox"/>
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 (±_%)	Impedance % on bank kVA base (ONAN)
	Volts	Delta	Y	Y grounded	Volts	Delta	Y	Y grounded	Above rated volt		Below rated volt			
									No.	%	No.	%		
	<input type="checkbox"/>													
	<input type="checkbox"/>													
	<input type="checkbox"/>													
	<input type="checkbox"/>													

Service Entrance (complete I or II)

I. Circuit breaker						
Rated maximum voltage:	Rated continuous current:	Rated short-circuit current:	Rated interrupting time:	Trip coil:		
kV L-L, rms	A, rms	kA SYM rms	cycles	Current trip	A (AC)	
				or shunt trip	V (DC)	
II. Fuse protection (fuses preceded by a loadbreak switch)						
(A) Switch (specify mounting): Pole <input type="checkbox"/> Structure <input type="checkbox"/> Cubicle <input type="checkbox"/>						
Rated maximum voltage:	Rated load-interrupting current:	At:	Rated short-time withstand current magnitude:	Rated short-time withstand current duration:	Manufacturer:	Approved certification mark per TSBC bulletin B-E3 071019 3:
kV L-L, rms	A, rms	% PF	A	seconds		Yes <input type="checkbox"/> No <input type="checkbox"/>
(B) Fusing						
Manufacturer:	Manufacturer type designation:	Rated continuous current:	Rated maximum voltage:	Fuse characteristics:		
		A, rms	kV L-L, rms			

Interconnection Protection

Protection	Manufacturer	Type or style
<input type="checkbox"/> Ground overcurrent		
<input type="checkbox"/> Phase overcurrent		
<input type="checkbox"/> Negative sequence overcurrent		
<input type="checkbox"/> Over <input type="checkbox"/> Under voltage		
<input type="checkbox"/> Over <input type="checkbox"/> Under frequency		
<input type="checkbox"/> Synchronizing check		
<input type="checkbox"/> Reverse power		
<input type="checkbox"/> Differential		
<input type="checkbox"/> 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 <input type="checkbox"/> No <input type="checkbox"/> based on maximum fault duty of _____ MVA		

Metering

Pole metering	Yes <input type="checkbox"/> No <input type="checkbox"/>	<table border="1"> <thead> <tr> <th colspan="2">Estimated maximum demand</th> </tr> <tr> <th>Initial</th> <th>Future</th> </tr> </thead> <tbody> <tr> <td>_____kW</td> <td>_____kW</td> </tr> </tbody> </table>	Estimated maximum demand		Initial	Future	_____kW	_____kW	<table border="1"> <tr> <td>Metered voltage</td> </tr> <tr> <td>Rate schedule</td> </tr> </table>	Metered voltage	Rate schedule
Estimated maximum demand											
Initial	Future										
_____kW	_____kW										
Metered voltage											
Rate schedule											
Vault or indoor unit sub.	Yes <input type="checkbox"/> No <input type="checkbox"/>										
Outdoor or unit sub.	Yes <input type="checkbox"/> No <input type="checkbox"/>										

Customer Generation

<input type="checkbox"/> No customer generation <input type="checkbox"/> Customer generation not parallel to BC Hydro supply, transfer switch type: _____ <div style="text-align: right;">(approved certification mark? Yes <input type="checkbox"/> No <input type="checkbox"/>)</div> <input type="checkbox"/> 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. <input type="checkbox"/> 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) is required.

Professional engineer seal
Permit to practice number

Company	BC Hydro
Signature	Received by
Date	Date