



Transmission Connection Information Request Form

Date:
 Customer Name:
 Project Name:
 Substation Code: (if existing customer)
 Transmission line: (if existing customer)

Contact Information:					
Name:					
Position:					
Phone Number:		Fax:			
Email:					
Site Location:					
Address:					
City / Town:					
Latitude: (deg min sec)		Longitude: (deg min sec)			
Property Information (Lot#):					
Description (closest town, etc):					
Description / Type of Load: (new load or load expansion?)					
Load:					
Connected Load		MW			
Peak Demand		MW			
Load Factor		%			
Expected Power Factor		%			
Note: The minimum Power Factor shall be 95% or higher when the demand is 75% of peak demand					
Motor Information of Significance: (500hp and larger – attach list if available)					
Type (induction, synchronous)	Size (nameplate hp)	Voltage	Starting (VFD, soft start, line)	Running (e.g. VFD for start and run, bypass at speed)	Use/Comments

Transmission Connection Information Request Form

Type of Information Requested:		
Step 1 Conceptual Review (no estimate)		<input type="checkbox"/>
Step 2 System Impact Study Estimate (level of accuracy +100/- 50%)		<input type="checkbox"/>
Step 3 Facilities Study Estimate (level of accuracy determined by BC Hydro)		<input type="checkbox"/>
Key Milestones: (dates)		
Expected In Service Date:		
Construction Power Requirements:		
Other Comments:		
Load Staging (in MW)	In service date	Description

LOAD INTERCONNECTION STUDY CHECK LIST

Item 1 -- A completed *Customer Interconnection Request Form* (see above).

Item 2 -- Customer's substation *A.C. Electrical One-line diagram(s)*. Drawings submitted should be no larger than "B size" (11 x 17 inches), unless legibility is demonstrated to be a problem. An electrical one-line diagram should show the connections of all substation equipment. It shall serve as a supplement to the *Customer Interconnection Request Form*. Where there are multiple Electrical One-Line Diagrams, the customer must submit an overall One-line diagram which clearly summarizes the plant distribution substations, connected motor and static loads, var support (capacitor banks or reactors), and any other major equipment (ie transformers).

Item 3 - Customer's substation *P&C One-line diagram(s)*. It should contain, or be accompanied by, the proposed service entrance fuse size or proposed relay settings. Drawings submitted should be no larger than "B size" (11 x 17 inches), unless legibility is demonstrated to be a problem.

Transmission Connection Information Request Form

Item 4 - Customer substation *Site Plans*. The site plan must show details of the primary electrical installation. The plan shall show the location and orientation of the substation relative to the customer's plant and the proposed transmission tap point.

Item 5 – Equipment data

In additions to the information provided on the A.C. Electrical and P&C Electrical One-line diagram please provide the information below if not shown on the diagrams:

Motor data:

- Motor size
- Motor Control details (VFD, Bypass at speed, Continuous Inserted Rated)
- Size of power factor correcting capacitors installed

Surge arresters characteristics:

- Manufacturer\type
- Surge arrester rating (kV)
- MCOV rating (kV)
- Energy absorption capability

	Conceptual Review	System Impact Study	Facilities Study
Item 1	Req'd	Req'd	Req'd
Item 2	Req'd	Req'd	Req'd
Item 3	n/a	n/a	Req'd
Item 4	n/a	Req'd	Req'd
Item 5	n/a	n/a	Req'd

Document list: