



Potential Northwest Transmission Line Project
Preliminary Facility Ratings and
System Data – Supplemental Data

Report No: SPA2007-66
July 2007
Supplemental Data - September 2007

System Planning & Performance Assessment

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The following is a supplemental posting to Report No. SPA2007-66, July 2007.

System Impedance at Bob Quinn 287 kV Bus for 287 kV Transmission Line

(R1 + jX1 in p.u. @ nominal operating voltage, 100 MVA)

2011 Stage (1)	
All facilities in service (2)	0.03 + j0.174
Single Contingency (2),(3)	0.032 + j0.202
No series capacitor, and all other facilities in service	0.03 + j0.191
No series capacitor and Single Contingency (3)	0.032 + j0.219

Notes:

1. System impedances exclude synchronous condensers at Bob Quinn. Fault level is effectively the same for subtransient, transient, and synchronous time frames.
2. Includes 13.3 ohm GIC blocking series capacitor at Bob Quinn.
3. 2L99 to Eurocan (and Kemano Generating station) out of service.