BC Hydro
Power smart

Fault Level Information for Secondary Customers

Customer Name:			
Service Address:			
Service Transformer:	**Size:** 1ph - 25 kVA	**Z%:** 1.5%	**X/R:** 1.28
Transformer Primary Side Protection:	**Expulsion Fuse:** Cooper-Edison Type H, 3 amp		
Secondary Conductor:	67 meters of overhead #3/0 Al Triplex		

Bolted Fault Current At Meter Base (Symmetrical Amps)	**Nominal Primary System Voltage**
	3 ph ☐ 4.16 kV ☐ 12.47 kV ☐ 24.94 kV ☐ 34.5 kV
	1 ph ☐ 2.4 kV ☐ 7.2 kV ☒ 14.4 kV ☐ 19.92 kV
	Service Transformer Secondary Voltage
	☒120/240V ☐120/208V ☐240/480V ☐347/600V ☐Other_____
LL (@240V) 2910A	
LN (@120V) 2018A	Primary Fuse Clearing Time during Fault: LL Fault: 0.47s LN Fault: 10.7s

The information provided is based on an infinite primary utility bus at the high side of the service transformer. The transformer impedance is the smallest impedance based on BC Hydro material specifications. The length and wire size of the triplex service conductor is an estimate based on digital records. The calculated fault levels do not include any customer motor contribution. The fault values provided should be considered accurate within +/-25%. This margin includes 10% for voltage fluctuations from 1.0 p.u and 15% allowance for data accuracy. This fault level can increase or decrease at any time without notification.

BC Hydro Distribution Engineer:	
E-mail:	
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