1	Q.	Reference: Structural Capacity Assessment of the Labrador Island Transmission Link (LITL),
2		<i>EFLA</i> , April 28, 2020, page 51.
3		"The "Strain Margin" type test [12] indicate that the optical fibres permanent attenuation in
4		signal was below the limits specified in IEEE Std. 1138-2009 when tested up to the RTS."
5		Please explain how Hydro would diagnose a failure of the OPGW optical fibres and describe the
6		work and the duration of the work that would be required to make repairs?
7		
8		
9	Α.	It is important to consider that a failure of the optical ground wire ("OPGW") optical fibers will
10		not result in a power outage and transmission loss for Labrador-Island Link ("LIL"). The OPGW
11		fibers are a key component in the primary communication path for the LIL operations. A failure
12		of the optical fibers will result in communication failure of the primary route and the
13		requirement for the use of a secondary communication route, which would remain in-service
14		and ensure continued delivery of power via the LIL until the OPGW was repaired and placed
15		back in-service.
16		The control system would notify the operator of a telecoms path failure. Repair of the OPGW
17		would then require stringing of new OPGW conductor on LIL transmission towers between
18		designated splice box sections.