

1 Q. Please explain if the Soldier's Pond terminal station will be equipped with black
2 start functionality? If this is the case, please describe what black start functionality
3 is proposed. If not, why not?
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6 A. A Line Commutated Converter (LCC) is reliant on grid voltage to switch off
7 (commutate) valve current. As a result, the Labrador-Island HVdc Link is not
8 intended to provide blackstart service. During a blackstart, the grid is passive and
9 has no ability to commutate the converter.
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11 While not intended to provide blackstart, the converter and synchronous condenser
12 buildings are locally powered with standby generation and will be able to resume
13 operation as soon as the Soldiers Pond 230 kV transmission network is energized.
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15 Blackstart will need to be provided from either Bay d'Espoir or other generation on
16 the Avalon Peninsula. Please refer to Hydro's response to NP-NLH-094.