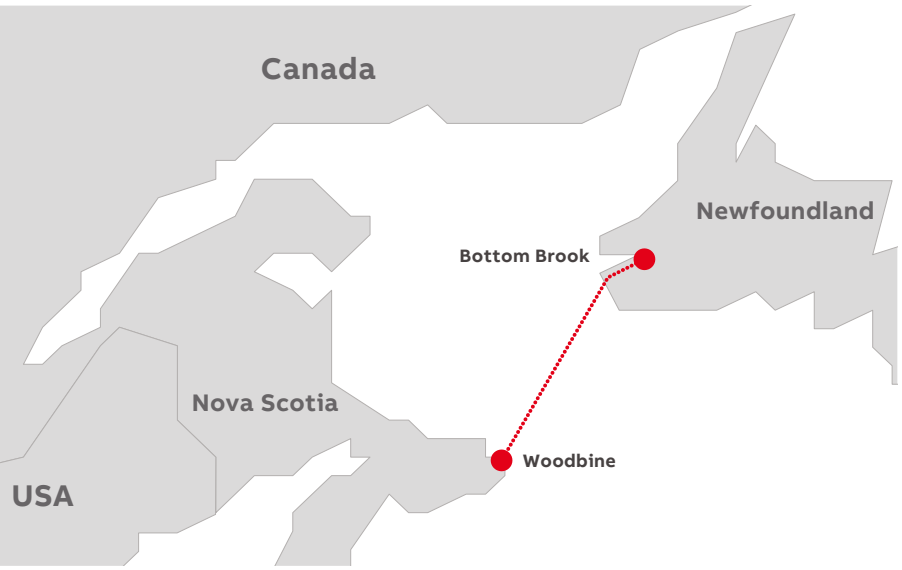
LEAFLET

Maritime Link

Connecting remote generation and interconnecting grids



HVDC Light® will facilitate integration of renewable energy and stabilize the electrical grid in northern Canada.

NSP Maritime Link Inc., a part of Emera Inc, has awarded ABB a contract to supply an HVDC Light solution to create the first electricity link between the island of Newfoundland and North America.

The Maritime Link Project is a 500 MW high-voltage direct current (HVDC) connection that will enable clean, renewable electricity generated in Newfoundland and Labrador to be transmitted to the North American grid in Nova Scotia. The stabilizing features of ABB's latest HVDC Light solution will also allow Nova Scotia to integrate additional renewables and contribute to Canada's emission-reduction efforts.

In addition to the two converter stations for the ±200 kV HVDC link, the project scope also includes two 230 kV AC substations in Newfoundland, one 345 kV AC substation in Nova Scotia and two cable transition stations.

Main data	
Commissioning year	2017
Power rating	500 MW
No. of poles	2
AC voltage	Newfoundland side 230 kV, Nova Scotia side 345 kV
DC voltage	±200 kV
Length of DC overhead line	187 km
Length of DC submarine cable	170 km
Length of DC underground cable	1 km
Main reason for choosing HVDC	Long distance, stabilizing features
Application	Connecting remote generation and interconnecting grids

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