



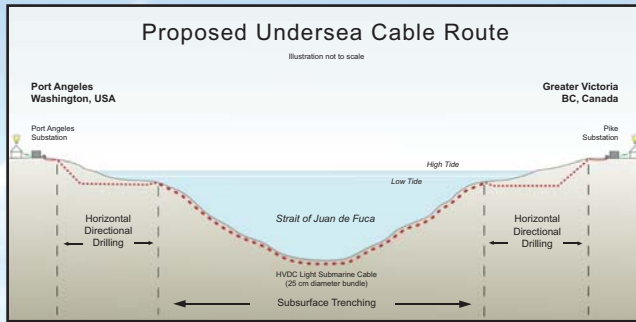
SECURE

RELIABLE

POWER

The Juan de Fuca Cable

The Juan de Fuca Cable (“JDF Cable”) is a 550 megawatt High Voltage Direct Current (“HVDC”) Light® submarine electric transmission line that will connect the Greater Victoria area of British Columbia with Port Angeles in Washington State.



Benefits

The JDF Cable will be a bi-directional line that connects and strengthens the westerly ‘end points’ of both the BC and Washington State transmission grids. The JDF Cable will provide:

- additional reliability and stability for both Vancouver Island and the Olympic Peninsula
- a new avenue to meet Vancouver Island’s growing electricity requirements
- a contingent path for electricity trade between BC and the US Pacific Northwest
- enhanced infrastructure security for both the United States and Canada

Milestones

May 20, 2009

The successful completion of the BCTC Combined Interconnection Impact and Facility Study.

June 11, 2008

Presidential Permit issued from the United States Department of Energy.

October 19, 2006

Canada’s Governor in Council approved the issuance of a Certificate of Public Convenience and Necessity.

September 7, 2006

The JDF Cable became the first international merchant transmission line to gain approval from Canada’s National Energy Board.

September 15th, 2005

Federal Energy Regulatory Commission (FERC) “Market Authority” was granted, enabling interested parties to negotiate directly for transmission scheduling rights (“capacity”) on the JDF Cable.



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Technology

HVDC Light® is state-of-the-art transmission technology recognised internationally for its reliability, fast and accurate power control, and low environmental impact.

High Voltage Direct Current (HVDC) Light® technology transmits electrical power using underground and submarine cables, eliminates the risk of oil spills, and has none of the health concerns associated with fluctuating electromagnetic fields (EMFs).

HVDC Light® technology is manufactured by ABB Inc., one of the world's largest and most successful electrical manufacturing and engineering companies. HVDC Light® technology is designed for electrical networks that need to be flexible, allow for large variations and frequent changes in production patterns, and meet tougher environmental standards and regulations.

HVDC Light® submarine and land cables



HVDC cable laying ship

Photos courtesy of ABB

Sea Breeze Pacific Juan de Fuca Cable, LP is a partnership between:

Sea Breeze Power Corp. (TSX-V: SBX), a Vancouver-based renewable energy developer;

Boundless Energy NW, Inc., a transmission and utility engineering company based in Connecticut;

A fund of EIF Group; a private equity fund manager.

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