

HVDC Links in the United States

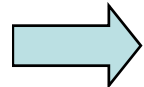
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Cable Projects

Recently Completed

1. Neptune (2007)

- Sayreville, NJ to Long Island, NY



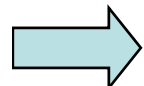
2. Trans Bay (2010)

- San Francisco Bay, 400 MW, ± 200 kV XLPE, VSC

Upcoming Projects

1. Tres Amigas Superstation

- Clovis, NM, short cable links to 3-way DC tie



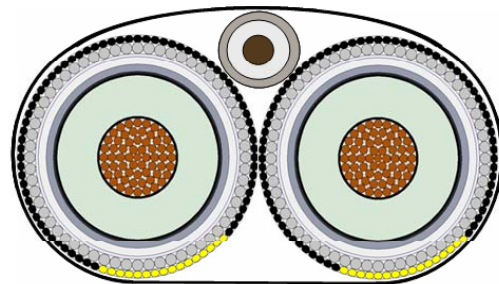
2. Atlantic Wind Connection Project

- Offshore, east coast, wind farm development

Trans Bay Cable Project



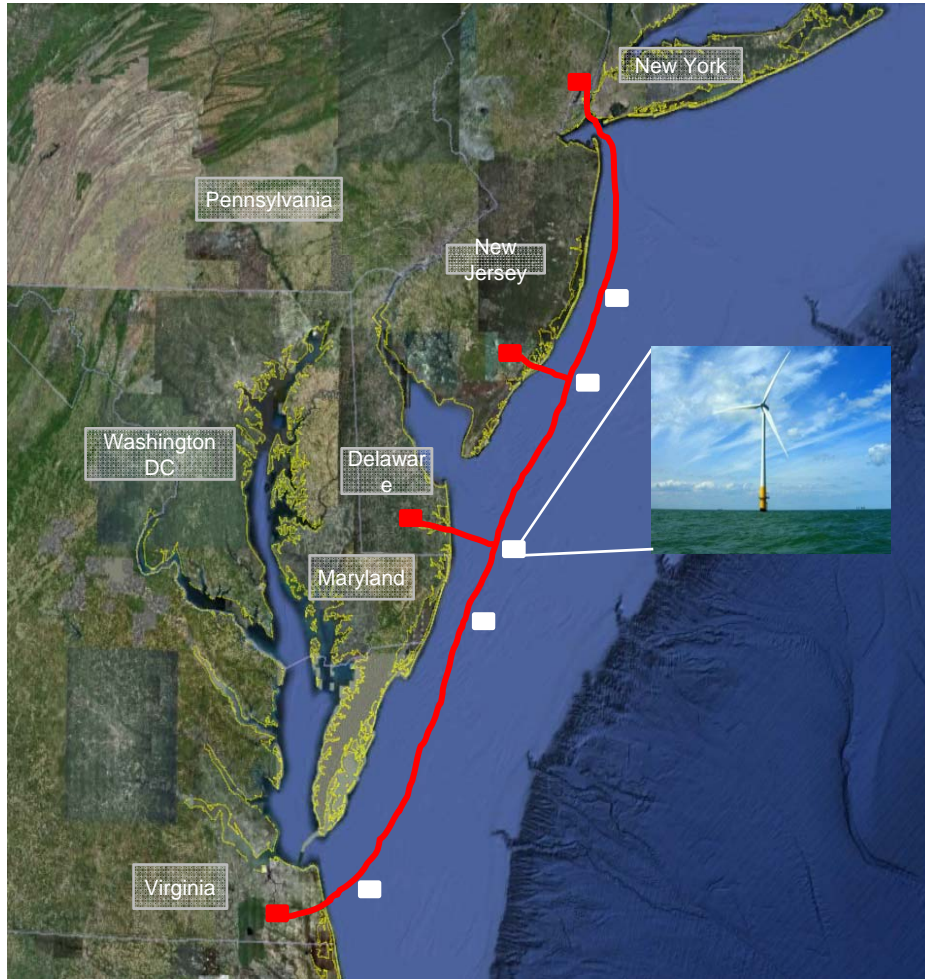
- ± 200 kV XLPE
- 85 km of cable
- VSC converters
- In-service 11/2010



Information and graphics courtesy of Prysmian

Jicable'11, 19 - 23 June 2011 - Versailles - France

Atlantic Wind Connection Project



- Sub-sea HVDC backbone transmission system from northern New Jersey to southern Virginia
- Interconnection of wind farms with the PJM system
- 5 project phases
- Two independent circuits
- Up to 7,000 MW of capacity

Atlantic Wind Connection Project



- Approximately 1190 km of HVDC submarine and land cable
- Multi-terminal HVDC system using voltage sourced converters (VSC)
- Terrestrial converter stations
- Offshore converter station platforms

Information and graphics courtesy of AWC

Thank You