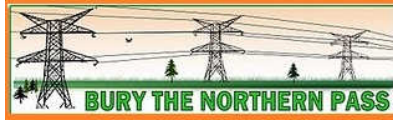


Everywhere We Look: Buried HVDC Transmission Lines within 500 miles of Concord NH



Buried HVDC Transmission Lines within a 500 mile radius of Concord NH

Actual (in service, under construction, or fully permitted), In Process, and Proposed

Underwater (UW) and Underground (UG)

****New England Projects with Interest in Clean Energy RFP (3/2015)**

~~~~~

**Champlain-Hudson Power Express (NY, VT).** 1000 MW. 200 miles: 138 miles UG in state roads and railway ROWs; 62 miles UW. Status: **all state and federal permits granted**. Financing underway. Projected in-service date: 2019. Developer: Blackstone-TDI. <http://www.chpexpress.com/>. DOE EIS: <http://chpexpresseis.com>.

**Cross Sound Cable (NY, CT).** 330 MW. 24 miles UW. Status: **in service**. Developer: Cross Sound Cable Co. LLC. <http://www.crosssoundcable.com/aboutusnew.html>

**Hertel – New York Interconnection (Quebec, NY).** 1000 MW. 58kms (40 miles) UG in highway. Developer: Hydro-Quebec. Status: Proposed, under study. Connects to Champlain-Hudson Power Express. <http://www.hydroquebec.com/hertel-new-york/en/>

**Hudson Project (NJ, NY).** 660 MW. 7 miles: 3 miles UG in railway ROW; 4 miles UW. Developer: Anbaric. Status: **in service**. <http://anbarictransmission.com/projects/hudson/>

**Lake Erie Connector (Ontario, PA).** 1000 MW bi-directional. 73 miles: UW and UG. Developer: ITC. Status: permitting to begin 2015; in-service 2019. <http://www.itclakeerieconnector.com/>

**\*\*Maine Green Line (ME, MA). (Part of Green Line Infrastructure Alliance with National Grid.)** 1000 MW (with expansion to 2000 MW possible). Combined wind and hydro. 300 miles: OH/ buried in railway ROWs; UW in Gulf of Maine. Developer: Anbaric. Status: ISO-NE process underway. Projected in-service 2021.  
<http://anbarictransmission.com/projects/mainegreenline/>

**Maritime Link (NL, NS).** 500 MW. UW 170km (104 miles) + OH terrestrial. Developer: Emera. Status: proposed.  
<http://www.emeranl.com/en/home/themaritimelink/overview.aspx>

**Neptune Project (NJ, NY).** 660 MW. 65 miles: 50 miles UW; 15 miles UG in parkway. Developer: Anbaric. Status: **in service**.  
<http://anbarictransmission.com/projects/neptune/>

**\*\*New England Clean Power Link (VT).** 1000 MW. 150 miles: 100 miles UW; 50 miles UG in existing state road ROWs. Developer: TDI-New England. Status: VT state permit process to conclude Dec. 2015; Draft EIS issued 6/2015; FEIS 10/2015. Projected completion date: 2019. <http://www.necplink.com/>. DOE EIS: <http://necplinkeis.com/>. VT PSB Docket #8400: <http://psb.vermont.gov/docketsandprojects/electric/8400>

**Northeast Energy Link (ME, NH, MA).** 1100 MW. 230 miles UG in interstate transportation corridors. Developer: Emera/National Grid. Status: application projected for the end of 2015. <http://www.northeastenergylink.com/>

**Poseidon (NJ, NY).** 500 MW. 82 miles UG and UW. Developer: Anbaric. Status: Proposed. <http://anbarictransmission.com/projects/poseidon/>

Sea Link (NH, MA). 520 MW. 68 miles underground and underwater from Seabrook NH to Everett MA. Developer: New Hampshire Transmission Co. (NextEra Energy). Status: rejected as reliability line by ISO-New England for NH-MA Solution, 2/2015.

**\*\*Vermont Green Line (formerly Grand Isle Intertie) (NY-VT).** 400 MW. Wind. UW. Developer: Anbaric. Projected in-service 2019.  
<http://anbarictransmission.com/projects/vermontgreenline/>.

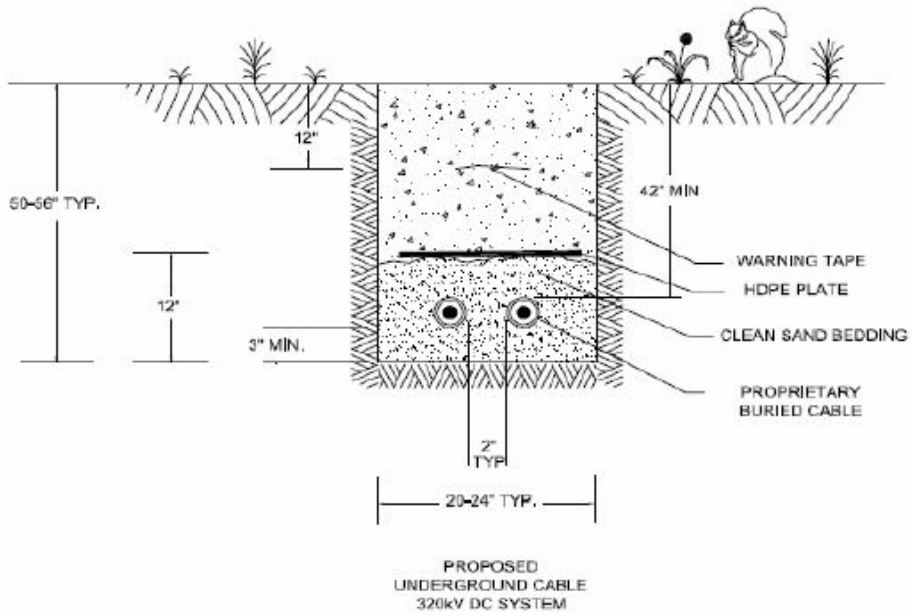
**West Point Project (NY).** ? MW. 80-100 miles UG, UW. Status: under consideration.  
<http://anbarictransmission.com/projects/west-point/>

Updated 6/2015

---

Posted (with updates) at <http://burynorthernpass.blogspot.com/2014/02/everywhere-you-look-buried-hvdc.html>

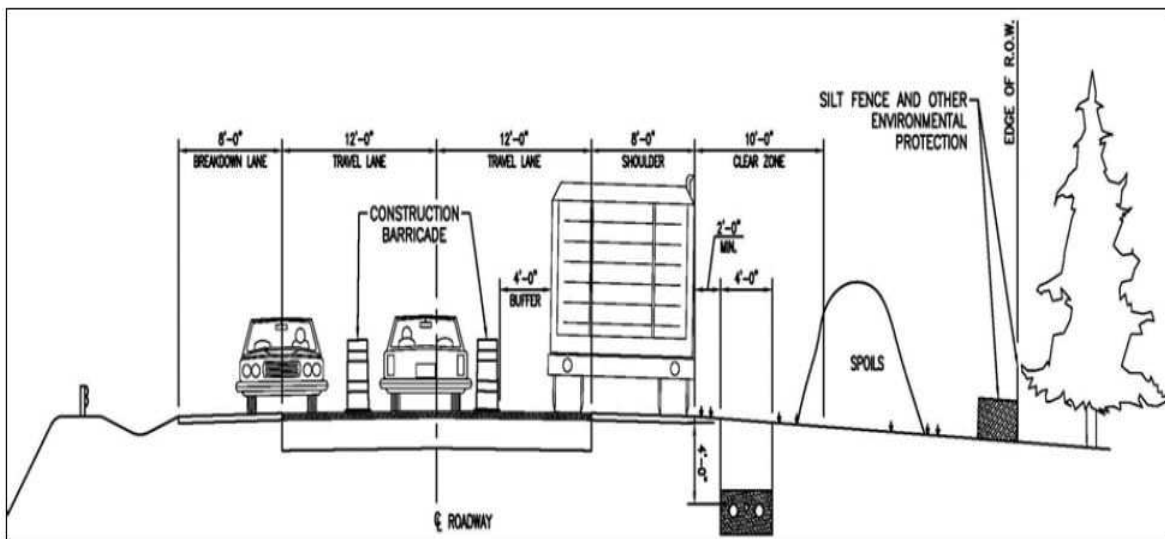
## Underground HVDC Cable Diagrams



Northeast Energy Link (Maine)

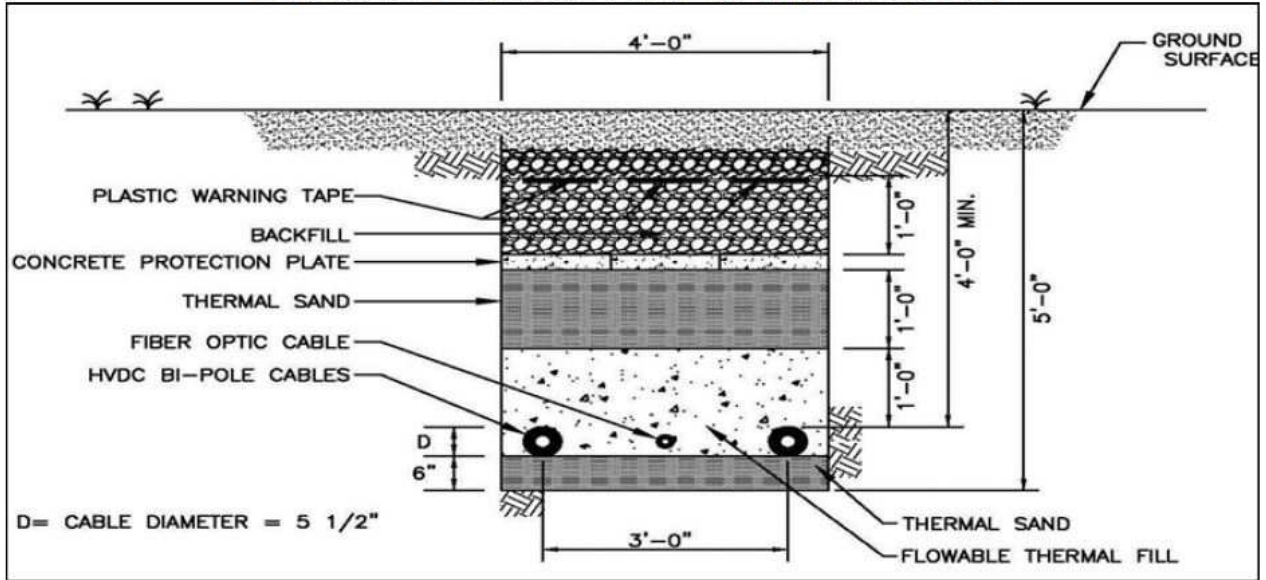
New England Clean Power Link (Vermont)

**FIGURE 2-11  
TYPICAL OVERLAND INSTALLATION**



New England Clean Power Link (VT)

**FIGURE 2-10**  
**TYPICAL OVERLAND TRENCH CROSS SECTION**



DISCOVER THE SHOVEL!