CANADA

AMHERST ISLAND

In Lake Ontario, Canada, on Amherst Island, 26 wind turbines produces 75 megawatts (MW) of generating capacity. A 3 phase 115kV submarine cable interconnects the wind farm on the island to the electrical grid. EHV Power was contracted to install the submarine anchor clamp and cable terminations on riser poles.

EHV Power worked with the Owner's Engineer to simplify the installation process for both the anchor clamp and cable terminations. Additionally, as an approved electrical contractor with the Electrical Safety Authority, EHV worked with the Authority to add safety measures to the riser poles for safe operation of the submarine cable circuit.

The works were performed during a cold Canadian winter. Enclosed heated scaffolding was erected on Amherst Island and on the mainland for the cable termination works. The submarine cable was unwound and trained onto the riser poles. The 115kV cable terminations were assembled and supervised by the manufacturer's inspector. A successful AC HiPot test with PD measurements was achieved.