

ENVIRONMENTAL ASSESSMENTS

HIGH-VOLTAGE POWER LINES

PESCA Environnement has conducted environmental assessments of the high-voltage power lines connecting the wind farms to the Hydro-Québec power transmission system since 2006. These assessments are required by the ministère du Développement durable, de l'Environnement et des Parcs (MDDEP), pursuant to section 22 of the *Environment Quality Act*, to obtain the authorisation certificate needed to build power lines.

The assessments are done in compliance with the environmental assessment methods developed specifically by Hydro-Québec for power lines and stations, in particular, the HQ general method and HQ methods for landscape and for forested and agricultural environments.



PESCA Environnement achievements

- Description of the natural environment (climate, geology, geomorphology, terrain, hydrology, vegetation and wildlife)
- Description of the human environment (administrative framework and land tenure, socio-economic profile, land use and zoning: agriculture, forestry, industries, mines)
- Landscape analysis
- Classification of natural elements according to their resistance
- Comparison of alternative routes
- Impact assessment and mitigation measures
- Preparation of map documents
- Preparation of report



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