

Portland Wind Energy Project

Project Title:	Electrical Consultant
Energy Type:	Onshore Wind
Client:	Pacific Hydro Ltd
Location:	Victoria, Australia
Project Size:	195MW (including 220/66kV substation)
Project Scope:	One of the biggest wind farm developments in the southern hemisphere. Advising on all three stages of this major wind energy project, involving an initial 30MW wind farm, 220/66kV substation and eventually sufficient energy to power 125,00 homes pa.

Senergy Econnect's services have included:

- ☉ Preparation invitation to Tender specifications and management of tender process for the 220kV/66kV substation
- ☉ Detailed review of tender submissions and recommendations for preferred Tenderer
- ☉ Preparation and negotiation of Connection Agreement technical access standards
- ☉ Static power system studies to evaluate load flows, fault level and power quality analysis, line conductor sizes and transformer tap settings
- ☉ Budget cost estimates for the wind farm electrical balance of plant
- ☉ Preliminary Design Capacitors/SVC - Market survey of available technologies and budget costing

Key Achievements: This is an ongoing project which will have a major beneficial impact on the population of Victoria.

Completion Date: TBC