

PROJECT DATA

Woolnorth WF Transmission Connection

CLIENT	Hydro Tasmania - Renewables Development
PROJECT LOCATION	North West Tasmania, Australia
DATE OF PROJECT	Aug 2001 - Jan 2003
SERVICES PROVIDED	<ul style="list-style-type: none">• Project management and contract administration,• Detailed design• Production of contract documentation

Project Description

Project Management of the design, construction and commissioning of a 46km 110kV transmission line, 1.5km 110kV underground cable and 80MVA 22/110kV substation, to allow the connection of a wind farm on the North west tip of Tasmania.

Design and documentation preparation was carried out by Hydro Tasmania's Power Engineering Group. Construction was undertaken by an external contractor and administered by Hydro Tasmania in accordance with the prepared contracts and specifications.

- Overall project management of the three elements, including contract negotiation and administration, landowner and compensation negotiation liaison, construction supervision, testing/commissioning coordination and project;
- Preparation of a project plan including budget, implementation program, risk assessment and quality plan;
- Risk assessment, value management and HAZOP workshops;;
- Engineering and property surveys utilising advanced GPS technology and detailed geotechnical survey and testing;
- Detailed design of overhead line structures, structure locations and foundations, including route selection and field verification;
- Detailed design of underground cable, soil investigation, bonding requirements;
- Design of 22/110kV substation, general arrangement, equipment selection, secondary systems requirements, including control, protection and SCADA; and
- Preparation of contract documentation comprising contract annexure and detailed construction specifications and schedules.



Head Office
4 Elizabeth Street
Hobart, Tasmania 7000
GPO Box 355, Hobart
Tasmania 7001, Australia
PHONE 1300 360 441
FAX +61 3 6230 5460
EMAIL
consulting@hydro.com.au

Hydro Tasmania is a business
of the Hydro-Electric Corporation
www.hydrotasmaniiconsulting.com.au