

PROJECT PROFILE

<i>Name:</i>	WILGA PARK ZONE SUBSTATION
<i>Owner:</i>	Country Energy
<i>Client:</i>	Narrabri Power Ltd
<i>Project Description:</i>	Design & Installation of 66kV Zone Substation (Prime Contractor)
<i>Site Location:</i>	Narrabri, New South Wales
<i>Year Completed:</i>	2004



The Wilga Park Zone Substation provides connection to Country Energy's 66kV transmission network for the export of power from the new gas engine Narrabri Power Station. The substation was handed over to Country Energy in June 2004 and export of power began in July.

The switchyard comprises an 11/66kV 15MVA power transformer with two 66kV feeders to the existing 66kV Country Energy transmission line with provisions for a second 11/66kV 15MVA power transformer. A cyclone grade control room houses the protection system, control supplies and remote control and monitoring facilities.



Design, Construction, Installation:

- Switchyard layout
- Earth grid
- Power transformer bund & plinth
- Protection system
- Remote control & monitoring communications
- Lightning protection system
- Floodlighting
- HV bus & connections
- Structure supports
- 66kV transverse line
- Control room
- Power & control cabling
- Perimeter fence
- Commissioning

PROJECT PROFILE

*Key Project
Personnel:*

Bob Talbot – Engineer
Richard West – Project Manager
Christian Beckett – Site Supervisor

*Quality Standards
Applicable*

AS/NZS 150 9001:2000

*Specific OH & S
Requirements*

AS/NZS 4801:2001 and NSW Government Guidelines No.3 (accredited by
NSW Public Works)

