



# Waubra Wind Farm



<b>Location</b>	35 km north-west of Ballarat, Victoria
<b>Client</b>	Acciona Energy
<b>Contract</b>	Design and Construction
<b>Total Cost</b>	\$35m
<b>Duration</b>	2006 - 2007



The Waubra Wind Farm development is the first stage of a greenfields wind farm located in the Pyrenees Shire, about 35 kilometres north-west of Ballarat.

The site for the wind farm has been identified as having the best inland wind resource in Victoria. Situated among a series of hills and high plateaus which form part of the Great Dividing Range, the area is cleared agricultural land mainly used for sheep grazing and growing potatoes.

The development comprises 128 wind turbine generators, each capable of generating 1.5 MW of power, giving the wind farm a total capacity of 192 MW. Electricity generated from the wind farm will be delivered to the Victorian electricity grid via a local substation at the site.

Leighton Contractors is responsible for the design and construction of all of the

civil works required for the project. These works include:

- geotechnical survey, investigation and verification;
- design and construction of 128 turbine tower foundations, each containing approximately 200 m<sup>3</sup> of reinforced concrete;
- route selection, design and construction of 60 km of access roads and hardstand areas;
- associated environmental protection and landowner accommodation works.

Project is to be completed by August 2007.