

# NAROGHID WIND FARM FACT SHEET

## Overview: August 2007

The Victorian Government has set a target of 1000MW of wind power. The proposed Naroghid Wind Farm project is poised to contribute to this target after receiving planning approval from the State Minister for Planning earlier this month.

The Naroghid Wind Farm proposal was assessed against a strict set of guidelines taking into account stringent environmental, economic, technical, community and cultural considerations.

Naroghid Wind Farm Pty Ltd (NWF) aims to contribute to the State government's target through a wind farm at Naroghid in western Victoria. The project would produce up to 42MW of wind power--- enough electricity to power over 24,000 homes and would require an investment of approximately \$84m. The project will help meet Victoria's growing need for electricity as well as providing construction and manufacturing jobs for Victorians.

## BACKGROUND

WFD is a special purpose company, formed to develop, project manage, commission and operate utility scale wind farm developments in Australia and New Zealand. WFD has offices in Wellington and Melbourne, and is investigating projects in Victoria, South Australia and New Zealand. WFD secured development approval for the 91 MW Wattle Point wind farm on Yorke Peninsula in South Australia.

## THE PROJECT

The proposed wind farm site is approximately 40 km inland from the coast and 30km from the nearest National or State park. Located in the Shire of Corangamite about 7km south east of Camperdown and 10km south east of Terang, the project site (approximately 470ha) consists of cleared agricultural land used for intensive dairy farming.

One of Corangamite Shire's landfill dumps adjoins the site. It is anticipated that up to 21 wind turbines, totalling up to 42MW could be accommodated at the site.

Each turbine will be up to 125 metres in height to the tip of the blade. The tower and nacelle is expected to be up to 80m high, and the blades up to 40m long.



Map of western Victoria showing the location of the proposed Naroghid wind farm.

A feasibility analysis has confirmed that the site:

- Has an excellent wind resource;
- Has been extensively cleared, and is of low sensitivity in terms of ecologically significant flora and fauna;
- Is an area of low population density; and
- Is underneath a 66kV line that will accommodate the wind farm's output.

Two flora and fauna studies were undertaken during the first half of 2004. Approval from the Commonwealth Government pursuant to the Environment Protection Biodiversity & Conservation Act was obtained in June 2004.

The electricity generated would be supplied directly into the 66kV network providing pollution free and reliable power for western Victoria without the need for new power lines and poles from the wind farm to the electricity network.

## PROJECT UPDATE

A 50 metre mast with anemometers (wind measuring equipment) was erected on site in August 2003. Over 24 months of wind data has now been collected and analysed.

A Community Open Day was held on September 16, 2004 which was attended by over 80 people. Project information including photomontages (computer generated images of how the project will look from various representative viewpoints) were on display.

# NAROGHID WIND FARM BRIEFING PAPER

Detailed technical and environmental studies to assess the effects of noise, visual, cultural and ecological values from the wind farm were completed in 4<sup>th</sup> quarter and were included in a Planning Permit Application submitted to the State government in early December, 2004.

Planning Panels Victoria convened a panel hearing to review the planning application and to enable interested members of the community to address the panel. A number of people addressed the panel in support of the Naroghid project while there were a few people expressing concerns---specifically in regards to perceived aviation impacts particularly for the Air Ambulance. NWF tabled written statements from the Air Ambulance stating that the proposed wind farm would not have any detrimental effects to their current or future operations.

The project was approved by the Minister for Planning in August 2006. Construction could begin at the earliest during the second quarter of 2008, with turbine delivery in early 2009, and be completed within 12-18 months by the end of the 2009.

## FURTHER INFORMATION

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Please see  
<http://www.auswea.com.au>  
for more information on wind farms.

\* Calculations according to Appendix 1 of Policy and Planning Guidelines for development of wind energy facilities in Victoria.



Proposed Site for the Naroghid Wind Farm

## NAROGHID STATISTICS

Electrical Capacity	Up to 42Megawatts
Annual Generation	128,000 MW-hr*
Homes Powered	Over 24,000*
Annual Greenhouse Gas Abatement	167,000 tonnes CO <sub>2</sub> *
Equivalent Cars Removed from the road	Over 38,000*

