



# Birrema & Carrolls Ridge *Wind Farms*

Project Update No 2 | December 2011

## Merry Christmas from the Epuron Team

As we draw to the end of a busy year for the Birrema & Carrolls Ridge Wind Farm projects, the Epuron team would like to wish you and your family a very Merry Christmas. There is already much work planned for next year including continuation of the consultation program that will feed into the projects' Environmental Assessment. Thank you for your continued support of this exciting project and your positive feedback.

## Update on the Projects

Epuron received revised notification of the Director-General's Requirements (DGRs) for the Birrema project from the NSW Department of Planning in August this year. The issuing of the DGRs is in response to our submission of the projects' Development Application and Preliminary Environmental Assessment. The DGRs set out the Departments key assessment criteria for the proposed project and will contribute to the preparation of the Environmental Assessment. There are a number of detailed studies required by the DGRs to assess potential impacts of the project including noise, visual, traffic, ecological, heritage and various planning and statutory matters.

Initial biodiversity work has been undertaken and this has led to additional studies being planned to assess the impact in these study areas. Epuron is engaging with the Office of Environment & Heritage to ensure the study plans appropriately address the potential impact topics.

We continue to capture data from the wind monitoring masts at Birrema and Carrolls Ridge and we remain confident there are good wind speeds across the projects. The complex terrain of the area requires Epuron to extend monitoring to improve understanding of the wind regime and there are plans to further expand the wind monitoring program in the new year. This will see the placement of additional wind monitoring points including use of our new portable SODAR technology.

## New Website

We are pleased to advise that Epuron's new website is available to view information about the projects. You are also invited to submit any feedback you may have via the new website. Details of the projects will soon be available at [www.epuron.com.au](http://www.epuron.com.au)



## Project Manager



Epuron is pleased to announce the recent appointment of Jeremy Moon as Project

Manager for the Birrema and Carrolls Ridge Wind Farms. Jeremy brings a wealth of experience to the Epuron Team, having more than 10 years experience in the Australian renewable energy industry.

Prior to joining Epuron in 2011, Jeremy held a number of roles in the renewable energy sector including heading Meridian Energy's technical activities in Australia; as project manager of Allco Wind Energy's global business; and as Senior Engineer with the global wind energy consultancy GL-Garrad Hassan.

Jeremy was directly responsible for managing the technical phase of the 420MW Macarthur Wind Farm in Victoria (largest in southern hemisphere at the time) that was committed to construction in 2010 under a Joint Venture with Meridian and AGL.

## Please send us your feedback

### Write to us:



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Carrolls Ridge Wind Farm  
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North Sydney NSW 2060

### Email or Internet:



[info@epuron.com.au](mailto:info@epuron.com.au)  
[www.epuron.com.au](http://www.epuron.com.au)

### Phone us:



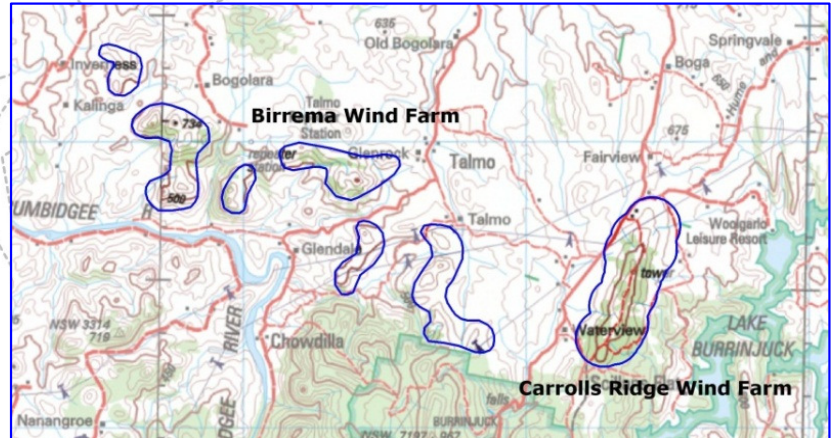
02 8456 7400



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# EPURON



Preliminary Turbine Development Area

## Consultation Plan

Epuron is a leading developer of wind farms in NSW and has a proven track record with four previous wind farm project applications already successfully approved.

To date Epuron has achieved approval of the largest wind farm, the largest number of wind farms, and the largest number of wind turbines in NSW, making it one of the most experienced wind developers in Australia. As such Epuron considers community consultation and engagement with key stakeholders a vital part of the approval process and an important first step towards becoming a long term member of the community.

Recently Epuron updated its corporate Consultation Framework for the development of wind farms. A project specific Consultation Plan has commenced for each of the Birrema and Carrolls Ridge Wind Farms and incorporates the following high level objectives:

## New SODAR Technology for Wind Measurement

To confirm the viability of wind projects in NSW, Epuron has established an extensive network of wind monitoring masts. Data from this network plus the onsite masts confirms that wind speeds are good at both sites and more than sufficient for viable wind farms. As the wind farm sites are large and to get a better understanding of the wind speed variation in the area, Epuron is planning to utilise its new SODAR technology. SODAR stands for "SONic Detection And Ranging" and is a small ground-mounted unit that can capture all the information available from a conventional wind monitoring mast. The SODAR we are using is designed and made in Australia for Australian conditions.

- Ensure the community is fully informed about the proposal, its likely impacts and benefits.
- Provide the community with sufficient notice and opportunity regarding upcoming events such as Open House days and exhibition periods.
- Provide multiple opportunities for dialogue and provision of feedback including the newly designed web page.
- Incorporation of feedback into the design where possible and demonstration where this has been achieved.
- Building positive trust based relationships with community and key stakeholders.

The NSW Wind Farm Planning Guidelines are expected to be issued soon, and our Consultation Plan will be further refined and updated to reflect any additional requirements.



Epuron's new Sodar technology