



STOCKYARD HILL WIND FARM

Land that forms part of the Stockyard Hill Wind Farm

Newsletter No.18 | September 2016

Welcome to the 18th edition of the Stockyard Hill newsletter. This newsletter provides information to the communities involved in the Stockyard Hill Wind Farm development.

More copies are available by either contacting us, or downloading from our website.

Origin continues to develop the Stockyard Hill Wind Farm and recently achieved a key milestone when it lodged a planning permit amendment application with the Victorian Government, primarily to increase the tip height to 180 metres.

If approved, the amendment will result in a reduction of 8 wind turbines from the 157 locations approved in the existing planning permit. Despite the reduced number of wind turbines, by using the latest wind turbine technology the project will generate approximately 40% more renewable electricity at a reduced long run average cost and deliver benefits to electricity consumers.

Origin also lodged planning permit applications for an on-site quarry and native vegetation removal associated with the overhead 132 kV powerlines required to connect the wind farm to the 500 kV network south of Lismore.

The authority responsible for assessing this application is the Victorian Minister for Planning. The Minister has released the application for public consultation and it may be viewed at the following locations.

The Wind Energy Facility Planning amendment, an on-site quarry application and native vegetation removal associated with the overhead 132 kV powerlines can all be viewed at the following locations:

- Department of Environment, Land, Water and Planning, 8 Nicholson Street, Melbourne and 402-406 Mair Street, Ballarat
- Pyrenees Shire, 5 Lawrence Street, Beaufort
- Corangamite Shire, 181 Manifold Street, Camperdown VIC 3260
- They are also available from the project's website: stockyardhillwindfarm.com.au



Key Amendments to the SHWF Wind Energy Facility

COMPONENT	PERMITTED WIND ENERGY FACILITY	AMENDED WIND ENERGY FACILITY	CHANGE
Proposed turbine numbers	157	149	Reduction of 8 turbines
Overall height	132 m	180 m	Increased height of up to 48 m
Generation capacity MW	Up to 524 MW	Up to 536 MW	Potential increase of up to 12 MW of installed nameplate capacity (based on current market offerings for dimensions defined for the permitted and amended specifications)
GWh per year	Approximately 1350 GWh	Approximately 1900 GWh	Increase of approximately 550 GWh per year
Average households powered per year ¹	Approximately 232,100 households	Approximately 326,600 households	Increase of approximately 94,500 householders
Greenhouse benefits ²	Approximately 1.35 million tonnes of CO ₂ savings per year	Approximately 1.9 million tonnes of CO ₂ savings per year	Increase of approximately 0.55 million tonnes of CO ₂ savings per year

1. These calculations are based on a household average of 5.817 MWh per annum, sourced from ACIL Allen Consulting's report to the Australian Energy Regulator titled Electricity Bill Benchmarks for Residential Customers, March 2015.

2. These calculations are based on the formula provided in DELWP's "Greenhouse Benefits, A guide to calculating greenhouse benefits of wind energy facility proposals, April 2015".

The primary objective of the planning permit amendment is to enable the latest wind turbine technology to be utilised at the site (seeking approval for wind turbines with a total tip height up to 180 metres, including an increase to tower height and rotor diameter); however the amendment application also seeks to allow:

- An optimised turbine and associated civil and electrical infrastructure
- Updates to the conditions relating to flora and fauna
- An increased maximum extent of native vegetation allowed to be removed, and specification of the corresponding offset requirements
- The replacement of the current noise conditions with new conditions based on the New Zealand Standard NZS6808:2010 Acoustics – Wind Farm Noise
- An extension of the requirement to offer voluntary landscape mitigation to residents within 4 km (instead of 3 km) of the nearest wind turbine
- Administrative improvements – e.g. update to use consistent terminology through the permit, clarification of the definition of a participant and non-participant stakeholder, use current guidelines, State Environment Protection Polices, and department names

Quarry Planning Permit Application

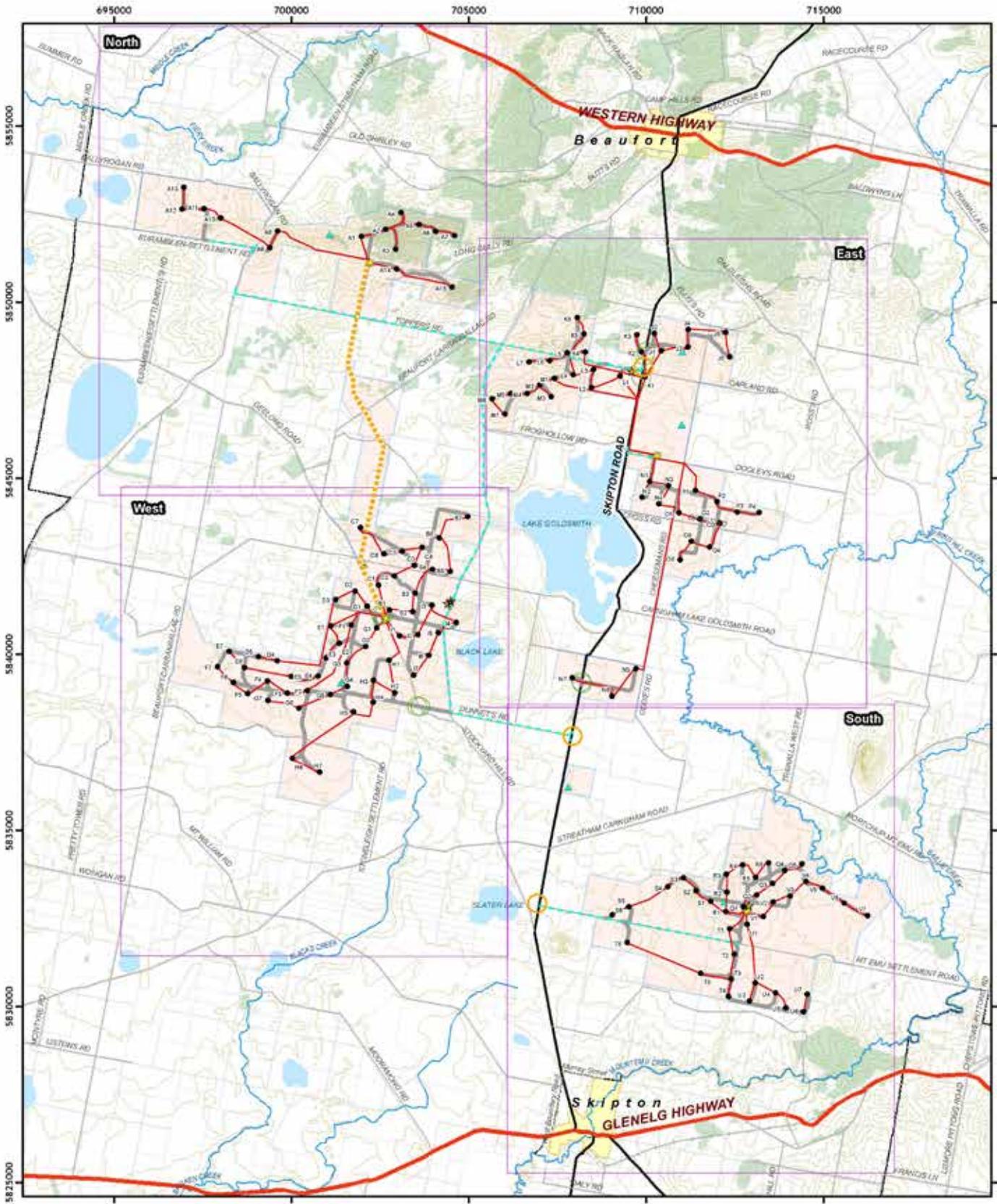
Origin is seeking to develop a quarry within the Wind Energy Facility project boundary to supply crushed rock for use during construction.

The quarry will be used for a period of approximately three years to supplement the large amount of crushed rock and bulk fill material required to construct the wind farm. The quarry material will be required for the access track network, hardstands, wind turbine foundations and possibly for upgrades and repair and remediation of local public roads.

The quarry application includes the following features:

- A quarry pit to supply the volume of basalt required – the pit is proposed to be approximately 300 metres by 500 metres in area
- Water dam to manage surface water and sediment control
- Access tracks to manage vehicle and mobile plant movements in and out of the quarry site
- Overburden and top soil storage areas
- Crushing and screening facilities
- Temporary site office, car parking, workshop and amenities buildings

Amended WEF Indicative Layout Plan



STOCKYARD HILL WIND FARM PTY LTD

Disclaimer: Stockyard Hill Wind Farm Pty Ltd gives no warranty in relation to the data (including accuracy, reliability, completeness or suitability) and accepts no liability for any loss, damage or delay (including consequential damage) resulting in any use of the data in this map.
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- Wind Turbine Generator
- ★ Site Compensating Plant
- ▲ Substation
- ▲ Permanent Mast Mast
- ▲ Temporary Mast Mast
- ▲ Business Identification Sign
- Alteration of Access to R221
- Creation of New Access to R221
- Percol Boundary
- Roadworks Maximum Extent
- Internal Overhead Powerline
- Underground Cable
- Access Road
- Highway
- Major Roads
- Minor Roads
- Watercourse
- Dam
- Wetlands or waterholes
- Major vegetation areas
- Local government areas
- Townships
- Parks
- Contours 10m



Stockyard Hill Wind Farm

Amended Wind Energy Facility Indicative Layout Plan

DATE: 28/04/2016

SCALE: 1:100,000 @ A3

STATUS: Draft

PROJECT: ALN

OWNER: Claydon

DESIGNER: ENVIRORE

0 1.25 2.5 5 Kilometres

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Origin supported the Beaufort and Skipton Health Services team as they competed in the Murray to Moyne 24 hour bicycle challenge.

Community investment

Origin was once again pleased to support another round of community investment recently.

The following local organisations and fundraising events were all supported to a value of \$1,000 each.

- Lismore Primary School – supporting the purchase of new playground equipment
- Cross Roads Rural Fire Brigade – support fundraising for new emergency water tanks
- Beaufort and Skipton Health Service – support refurbishment of nursing home.

When the Stockyard Hill Wind Farm is operating it will be contributing \$120,000 to the local area through its community investment program, that will aim to invest in sustainable local projects that build capacity in the local community.

Overhead Powerlines Planning Permit Application

Origin is seeking planning permits for native vegetation removal and new or altered access points to Category 1 (VicRoads) roads required to construct these powerlines. The overhead powerlines (which are defined as a Minor Utility Installation within all Victorian planning schemes) do not require a planning permit.

CONTACT INFORMATION

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The Department of Environment, Land, Water and Planning can be contacted on 136 186.

Any person may make a submission to the Minister for Planning by either:

- Post: PO Box 500 East Melbourne VIC 8002, or
- Email: stateplanning.services@delwp.vic.gov.au

Origin divesting the Stockyard Hill Development Project

As announced on the Australian Securities Exchange (ASX) and Origin's website in September 2015, Origin is planning to divest its 100% interest in the Stockyard Hill Wind Farm.

If the successful bidder chooses to enter into a long term Power Purchase Agreement (PPA) between Stockyard Hill Wind Farm and Origin as part of the sale transaction, Origin would purchase the energy and / or green rights generated by the project for an extended period of time. This PPA would provide investment certainty in the project to allow the development to progress towards a final investment decision after the sale is completed and all other contracting arrangements for the project, including all construction, operations and grid connection agreements are finalised.

The sale process is scheduled to commence in the second half of 2016.