

LEGEND

- PROPOSED WIND FARM LOCATION
- INDICATIVE LGA BOUNDARY

NOTE:

1. LGA BOUNDARY IS APPROXIMATE ONLY.

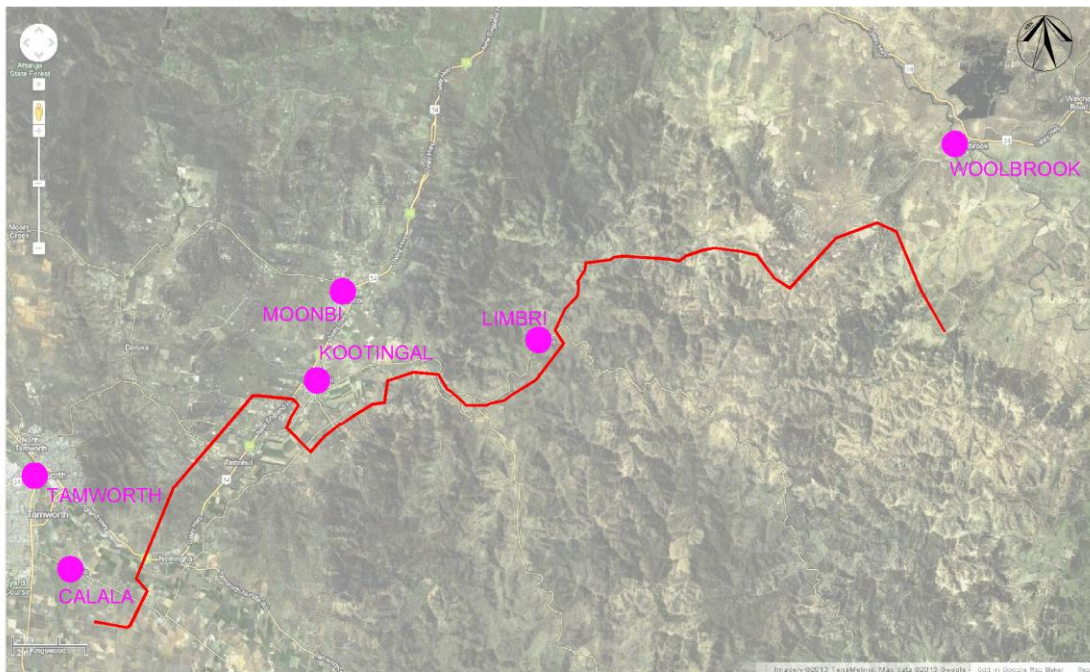


Newtricity - Woolbrook Wind Farm and Transmission Line

Locality Plan - Wind Farm

THIS PLAN IS FOR INFORMATION ONLY. IT DOES NOT CONSTITUTE A CONTRACT. ANY INFORMATION CONTAINED HEREIN IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PROVIDED. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FOR ANY PROJECT DESCRIBED IN THIS PLAN. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FOR ANY PROJECT DESCRIBED IN THIS PLAN.

NO.	DATE	REVISION
1	10/01/2019	ISSUED FOR INFORMATION
2	10/01/2019	REVISED TO INCLUDE COMMENTS
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NEWTRICITY WIND FARM – WOOLBROOK NSW

PROJECT UPDATE – MAY 2013

Mitchel Hanlon Consulting has been appointed by Newtricity to undertake a preliminary project assessment for a 80MW wind farm at Woolbrook approximately 38km north east of Tamworth, NSW.

THE PROPOSAL

The wind farm will comprise the construction, operation and maintenance of up to 30 wind turbines, a transmission line and associated infrastructure. The wind farm is proposed to be connected to the existing substation at Calala, Tamworth.

Three wind turbine layout options are currently being considered which are made up of a number of differing turbine types. The layouts remain within the three identified host properties.

The proposal will also include:

- Construction of a 22kV/132kV substation onsite;
- Upgrade to approximately 60km of existing 11kV and 66kV transmission line to 132kV;

- Electrical connections between wind turbines and the onsite substation via an underground/overhead 33kV cable network;
- Construction of onsite control buildings and equipment storage facilities
- Temporary concrete batching facilities to provide supply concrete for the turbine footings and substation construction works;
- Construction of access tracks for each turbine and other onsite structures and upgrades to existing roads/tracks as required; and
- Construction of monitoring masts for wind speed verification and monitoring.

THE SPECS

Each turbine will have a height of approximately 130-150m above ground level at the highest blade tip and have an approximate generating capacity of 2.3-4MW. The estimated construction costs for the wind farm is approximately \$100 million (exc. GST).

Clarence Consultants Pty Ltd have been engaged to determine preliminary costs for the possible alignment and construction costs of the transmission line. The estimated construction costs for the transmission line is approximately \$21.4 million (exc. GST).



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