

Hills of Gold Wind Farm Visual Impact Factsheet

The Project has removed five turbines from the proposal in response to reducing impacts on biodiversity and in order to reduce the visibility to the Project from private residences in the area.

In addition, the transmission line alignment has been modified to reduce visibility to residents along Crawney Road.

Turbine lighting requirements

Through consultation with the community, ENGIE understands that many residents are concerned about the red aviation lighting required on wind turbines. Under guidelines imposed by the Civil Aviation Safety Authority (CASA), objects that exceed 150m in height require aviation lighting, with CASA commenting the Hills of Gold Wind Farm should be lit with 'medium intensity red light'.

ENGIE has engaged with CASA who agreed to a night lighting plan requiring 28 of the 65 turbines be lit. Lower intensity lighting of 200 candela from 2,000 candela has been accepted and with one steady light (as opposed to two flashing lights) on those turbines required to be lit. A 200 candela light has been assessed as difficult to discern in excess of three kilometers.

ENGIE is also committing to a number of measures to ensure minimal visual disturbance to nearby residents. These measures include using the lowest intensity lighting allowed under the requirements, aviation shielding to minimise visibility of lights in areas near the project and operating the lights only at night or during times of reduced visibility.

What is visual screening?



Landscape and visual consultants have been engaged in relation to screen planting for landholders who will have a visual impact of the wind farm if the project is approved.

Visual screening:

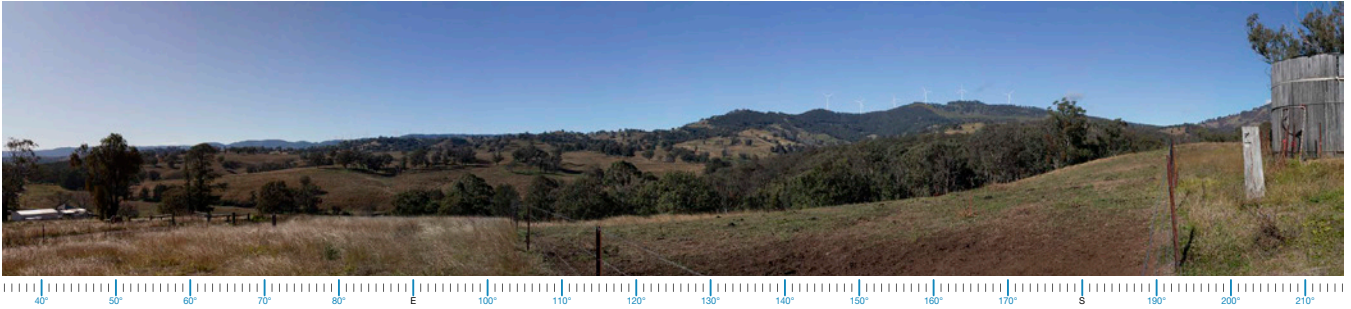
- ▶ Planting to be undertaken post construction of the wind farm.
- ▶ 50 / 75 Litre tree stock to be utilised to ensure plants become established.
- ▶ Recommended evergreen tree species that reach a minimum height required to sufficiently screen turbines.
- ▶ Tree trunk protection to be installed to prevent damage to tree trunks due to animal movements.
- ▶ Targeting Wildlife Corridor between Wallabadah Nature Reserve, Crawney National Park and Ben Halls Gap Nature Reserve.

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Photomontage of proposed view without mitigation measures

Turbines 41 - 69 visible (in excess of 10kms)

Turbines 1 - 7 visible



Photomontage of proposed view with indicative screen planting

Vegetation @ approx. 6m tall to screen
Turbines 41 - 69 visible
(in excess of 10kms from viewpoint location)

Vegetation @ approx. 6m tall to screen
Turbines 1 - 7 visible



Based on 70 Turbine layout as assessed in the LVIA (2020).

Contact us

At ENGIE we recognise the value of open and transparent conversations with local community members. If you have any questions about the Hills of Gold Wind Farm project, please reach out to us.

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