



TARONG WEST WIND FARM

Supporting Assessments

The following technical assessments have been undertaken in compliance with the Queensland Government's State Code 23: Wind farm development, and its associated planning guideline.



Noise - Wind turbines have been located greater than 1.5 km from sensitive land uses, such as dwelling houses. A Noise Impact Assessment will be completed for the Project to identify the potential noise impacts to sensitive receptors and measures to mitigate impacts.



Traffic - A Traffic Impact Assessment (TIA) has been prepared for the Project to determine the potential impact that the construction and operation phase of the Project may have on the traffic operations of the surrounding road network. Mitigation measures will also be communicated (e.g., upgrade pavements and intersections) in accordance with the State code and planning guideline. An External Transport Route Analysis was also undertaken to investigate the most appropriate routes for the transportation of wind turbine components from the Port of Brisbane to the project site.



Electromagnetic Interference - An Electromagnetic Interference (EMI) Assessment has been undertaken to identify potential services that may be impacted as well as measures to minimise identified impacts.



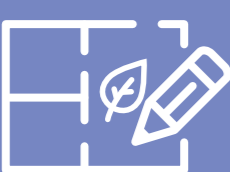
Aviation - The Aviation Impact Assessment identifies existing risk factors and mitigation strategies to reduce impacts to existing air services.



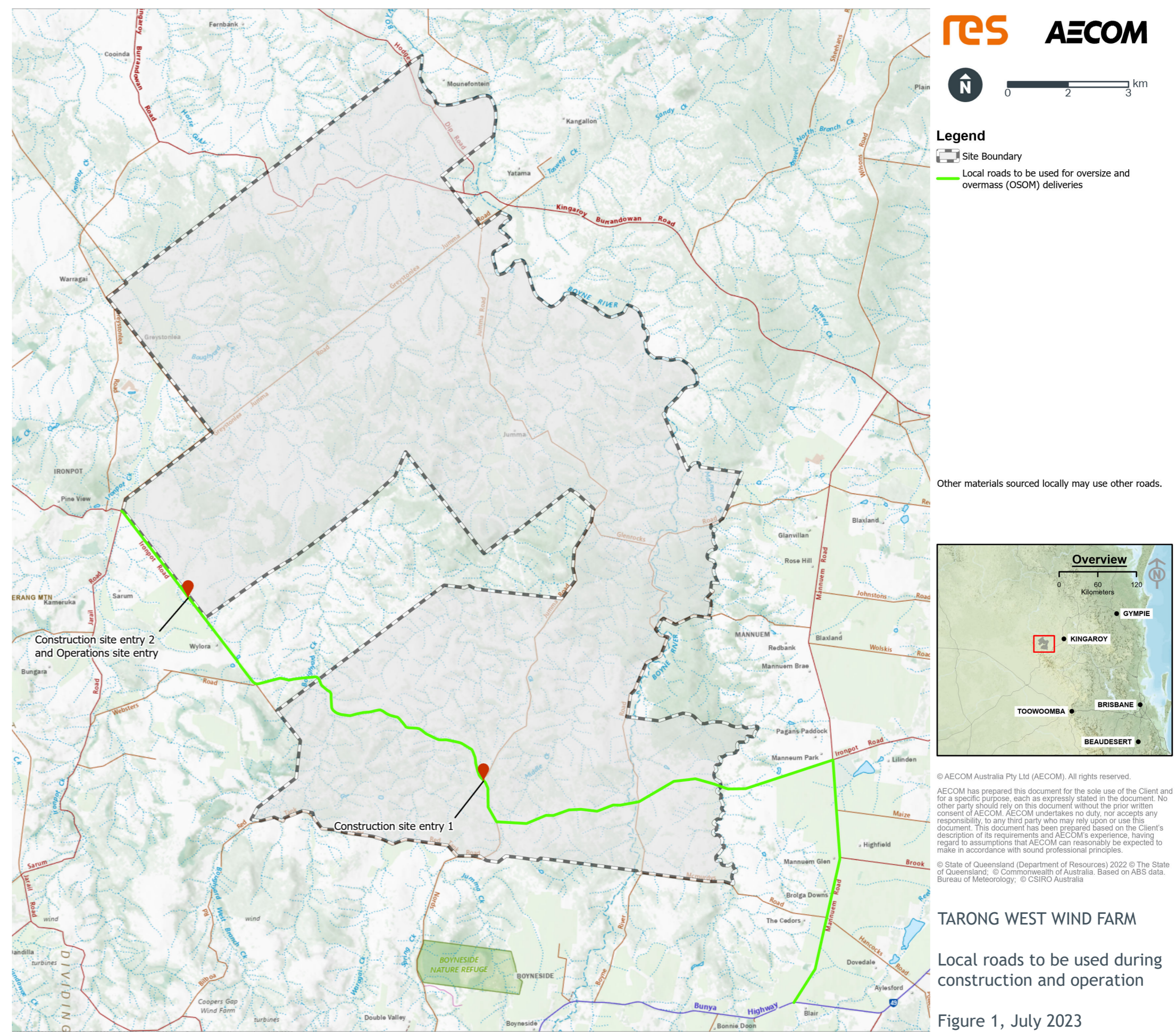
Shadow Flicker - The rotating blades of wind turbines can cast intermittent shadows that appear to flicker. All identified sensitive land uses are beyond this distance from the wind turbine locations proposed for the Project.



Stormwater - Given the extent of works required, the Project may impact upon natural drainage patterns and water quality of watercourses. A Stormwater Management Plan has been undertaken for the Project to assess the potential impacts of stormwater discharge on surface water quality and quantity arising from a range of activities associated with the construction, operation and decommissioning phases and to identify water quality environmental values and strategies to minimise and manage impacts to receiving waters.



Construction Environment Management Plan - Construction activities have the potential to impact on existing environmental values and surrounding land uses. A Construction Environment Management Plan (CEMP) will be prepared by the contractor prior to the commencement of any construction activities. The CEMP will include details of the construction programme, construction techniques to be employed, mitigation measures to control construction impacts, and contact details for queries and reporting incidents. This includes potential effects of erosion and sediment impacts from the project via specific Erosion and Sediment Control Plans (ESCPs).



Transportation of 75 m wind turbine blades from Brisbane to Dulacca Wind Farm. Picture source: RES