



January 11 2012

John von Mayer  
Savannah Environmental (Pty) Ltd

Dear John

**Avian impact statement re the application to increase the hub height and rotor diameter of turbines to be used at the proposed ABs Wind Energy Facility, Eastern Cape.**

Rainmaker Energy obtained an authorisation for the construction of a wind energy facility and associated infrastructure on the ABs site near Indwe in June 2011. In terms of this environmental authorisation, the project description referred to installation of up to 24 wind turbines with a blade tip height of 140 m. Following the assessment of 12-month's wind data it has become evident that in order for the wind energy facility to operate viably, Rainmaker must increase the size of the turbines used, and now wish to install a plant comprising turbines with a maximum blade height of 150 m.

The avian impact study for this project rated the significance of anticipated post-mitigation impacts for components of this development as follows:

Construction (Disturbance) – Medium  
Construction (Habitat Loss) – Medium  
Operation (Disturbance) - Medium  
Operation (Mortality) – Medium

While the relationship between wind turbine height and collision risk for birds is not clearly understood, simple logic suggests that the proposed increase in turbine height of only 7%, with an accompanying 9% decrease in the number of turbines in the final array, probably would not significantly affect these impact ratings.

Yours sincerely

Andrew Jenkins