

## Appendix 14.2 Potential Shadow Periods

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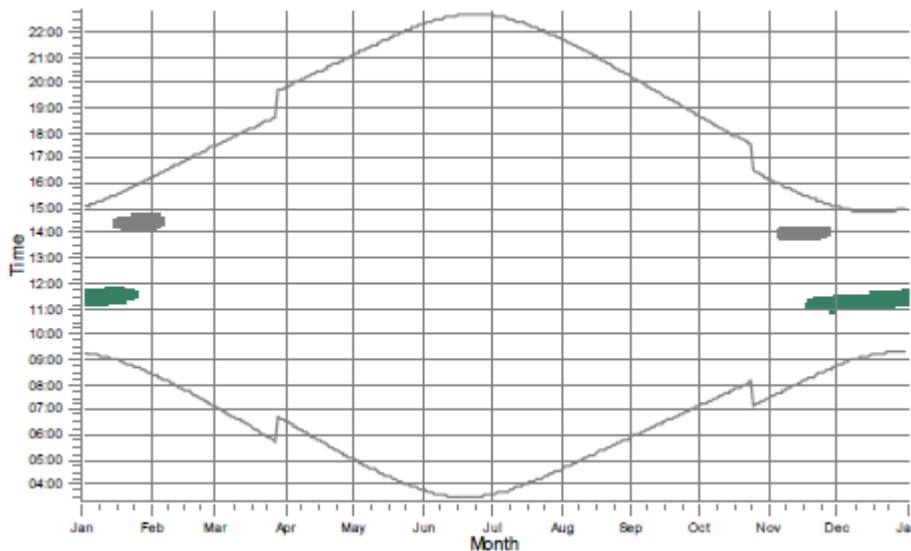
# Appendix 14.1 Potential Shadow Periods

Graphs 1 to 7 below visually represent the potential periods when each receptor may experience shadow flicker during the operational phase of the Proposed Development. These are calculated using commercial software model WindPro Version 3.1.617 which takes into account the movement of the sun relative to the time of day and time of year predicting the time and duration of expected shadow flicker at each window of an affected receptor (refer to Chapter 14). These graphs represent the realistic scenario assuming no mitigation as explained in Chapter 14. The turbines generating the flicker are shown in Table 1.

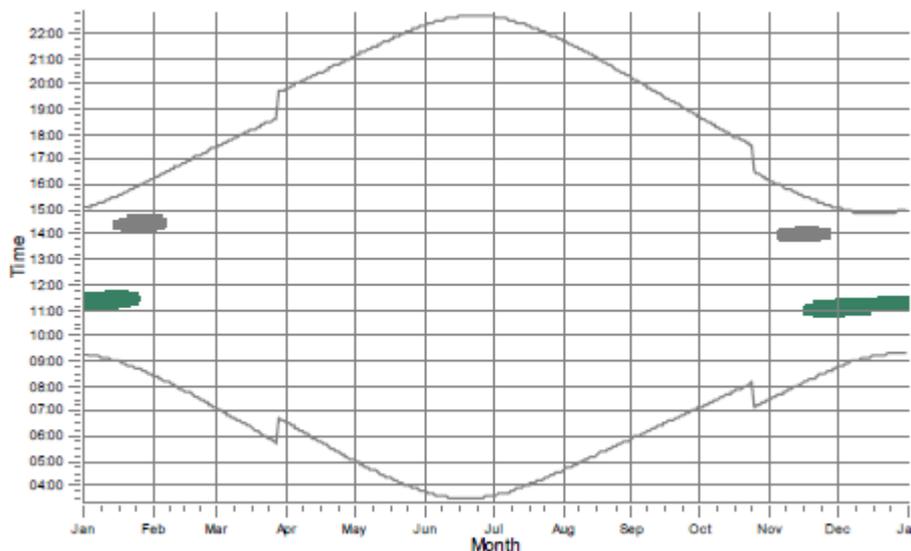
**Table 1 – Turbine Key**

	T4		T28
	T5		T29

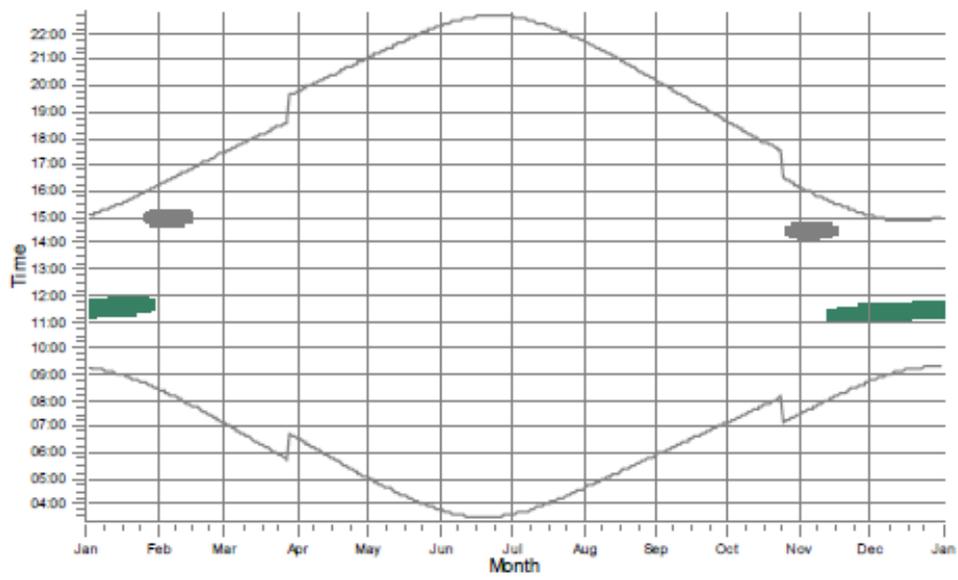
**Graph 1 – Realistic Shadow Hours – Receptor A**



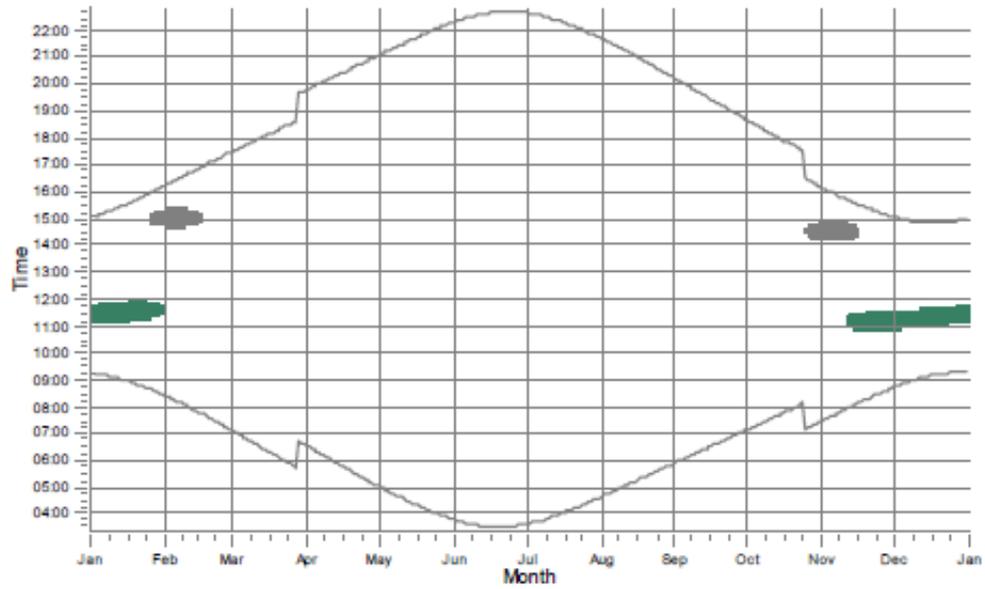
**Graph 2 – Realistic Shadow Hours – Receptor B**



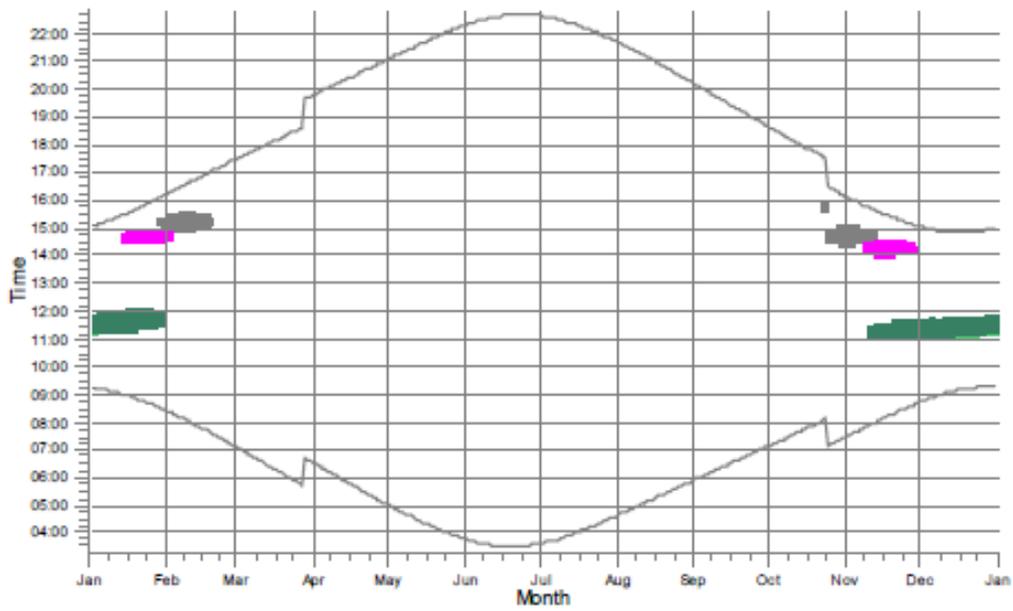
**Graph 3 – Realistic Shadow Hours – Receptor C**



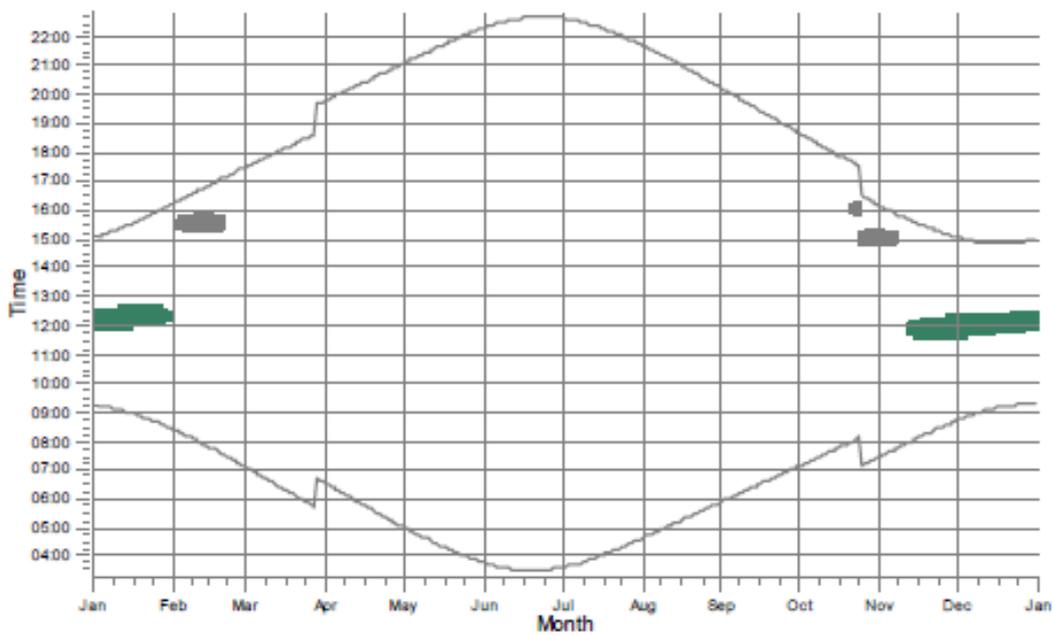
**Graph 4 – Realistic Shadow Hours – Receptor D**



**Graph 5 – Realistic Shadow Hours – Receptor E**



**Graph 6 – Realistic Shadow Hours – Receptor F**



Graph 7 – Realistic Shadow Hours – Receptor G

