

Appendix 16.2 Potential Shadow Periods

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Graphs 16.2.1 to 16.2.2 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 3.2 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 16). These graphs represent a worst-case scenario assuming no mitigation.

Key

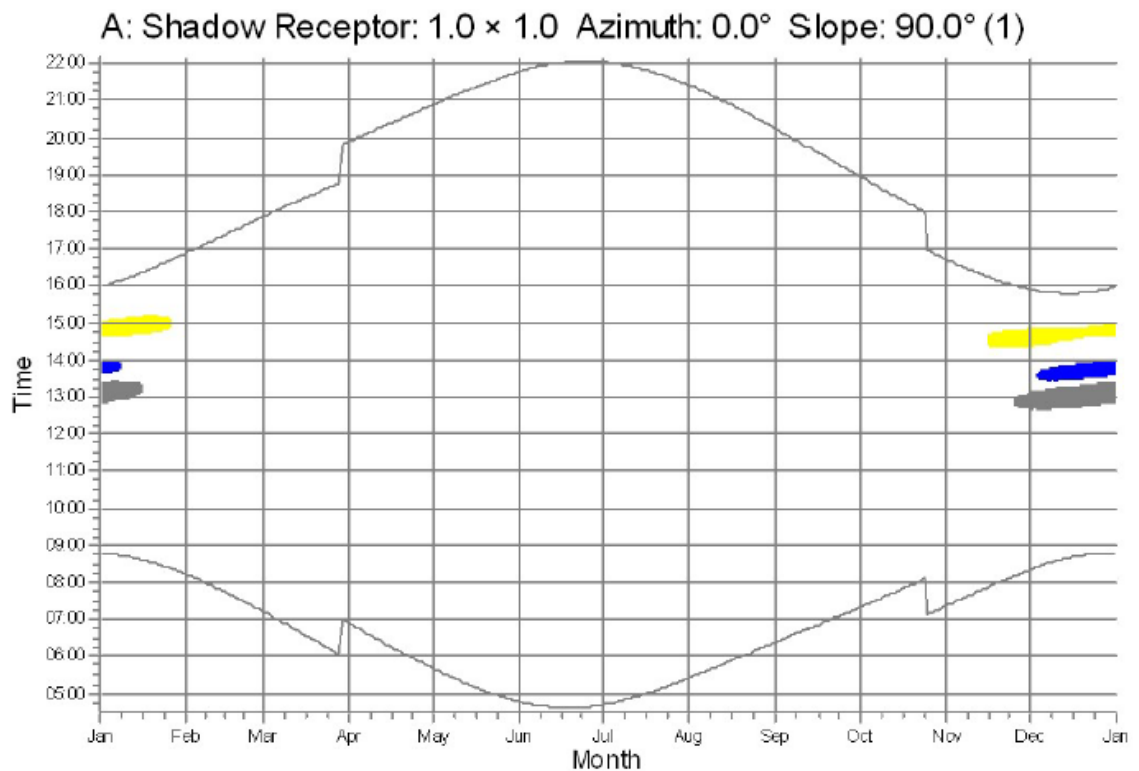
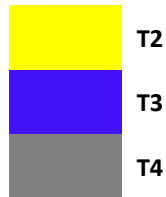


Figure 16.2.1 Shadow Periods at Receptor A, Worst-case

There is potential for turbines 2, 3 and 4 to cause shadow flicker at Receptor A for periods during the afternoon from November through to January.

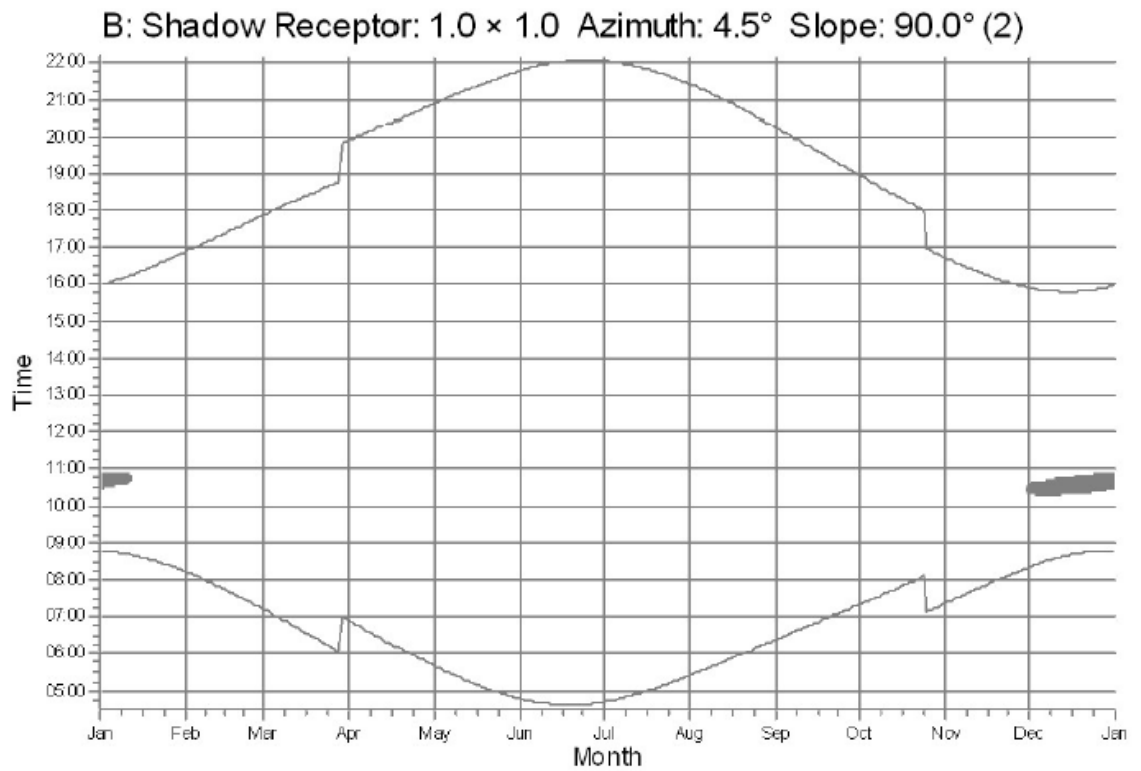


Figure 16.2.2 Shadow Periods at Receptor B, Worst-case

There is potential for turbine 4 to cause shadow flicker at Receptor B for periods during late morning from the end of November through to mid-January.